

# Pandora FMS External API

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## Pandora FMS External API

The Pandora FMS External API is used doing remote calls (through HTTP) on the `/include/api.php` file. This is the method that has been defined in Pandora FMS to integrate applications from third parties to Pandora FMS. It basically consists on a call with the parameters formatted to receive a value or a list of values that after its application will be used to do operations.

A call to the API.php is as simple as this:

```
http://<Pandora Console install>/include/api.php<parameters>
```

The API can only receive the following parameters:

- `op` (required): It is the first parameter that specifies the nature of the operation, which could be "get" or "set" or "help":
  - `get`: It returns a value or values.
  - `set`: It sends a value or values.
  - `help`: It returns a little help from the calls
- `op2` (required): The call with an explanatory name of the one that it works on.
- `id` (optional): The first call parameter.
- `id2` (optional): The second call parameter.
- `other` (optional): The third call parameter, sometimes it could be a list of serial values.
- `other_mode` (optional): Serial format. list of possible values:
  - `url_encode`: the othervalue is an alphanumeric formtted as [UrlEncode](#).
  - `url_encode_separator_<separador>` The value will be a serial value list with the divider character, for example:

```
...other = peras|melones|sandias&other_mode = url_encode_separator_|
```

- `returnType` (optional): return format of the value or values. The current available values are:
  - `string`: It returns the value as it is as an alphanumeric one.
  - `csv`: It returns the values as a CSV separated with the ";" character (fields) and with CR (files) by default
  - `csv_head`: It returns the same as with "csv", except that it adds a first file with the field names to return.

## Security

At the moment, security is based on an IP list that will have access to the tool. And it will be configured as seen in the image, in Pandora FMS Console configuration options.

If you enter the character \* in the box text, the ACL check will be omitted relegating the security to the protocol and to the environment.

## PANDORA SETUP » GENERAL CONFIGURATION

Language code for Pandora	English
Remote config directory	/var/spool/pandora/data_in
SLA period (seconds)	604800
Max. days before compact data	15
Max. days before purge	60
Compact interpolation in hours (1 Fine-20 bad)	1
Auto login (hash) password	
Default hours for event view	8
Timestamp or time comparison ?	Comparison in rollover <input type="radio"/> Timestamp in rollover <input type="radio"/>
Time source ?	Database
Automatic update check	Yes <input type="radio"/> No <input checked="" type="radio"/>
Enforce https	Yes <input type="radio"/> No <input checked="" type="radio"/>
Compact CSS and JS into header	Yes <input type="radio"/> No <input checked="" type="radio"/>
ACL IP list for access API *	127.0.0.1 192.168.1.20 192.168.1.25 192.168.50.32 192.168.2.42

You can also set a password for API actions.

In order to setup the password, follow these steps:

- *apipass*: Api password configured in the console. Do it in the following configuration view (Administration>Setup>):

The screenshot shows a configuration page for Pandora FMS. The 'API password' field is highlighted with a red rectangle. Other settings include 'Automatic check for updates' (No), 'Enforce https' (No), 'Attachment store' (/var/www/trunk/pandora\_console/attachment), 'IP list with API access' (empty), 'Enable GIS features in Pandora Console' (Yes), 'Enable Integria incidents in Pandora Console' (No), 'Enable Netflow' (Yes), 'Timezone setup' (Europe/Berlin), 'Sound for Alert fired' (air\_shock\_alarm.wav), 'Sound for Monitor critical' (Star\_Trek\_emergency\_simulat), and 'Sound for Monitor warning' (negativebeep.wav).

Nota: Before version 4.0.2, this parameter was *pass*

To access API actions, it is necessary to give a Pandora FMS valid user and password.

- *user*: Valid Pandora FMS user
- *pass*: The user password

**Note: In API calls, passwords are uncoded. Be careful and use SSL connections to avoid sniffers. The API allows POST petitions to encrypt them when using SSL/HTTPS.**

### Return

When the API denies the access, the simple string "auth error" is returned.

### Examples

In this case, the API password *1234* is used. The user is *admin* and the password is *pandora*.

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=plugins&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
```

Access conditions:

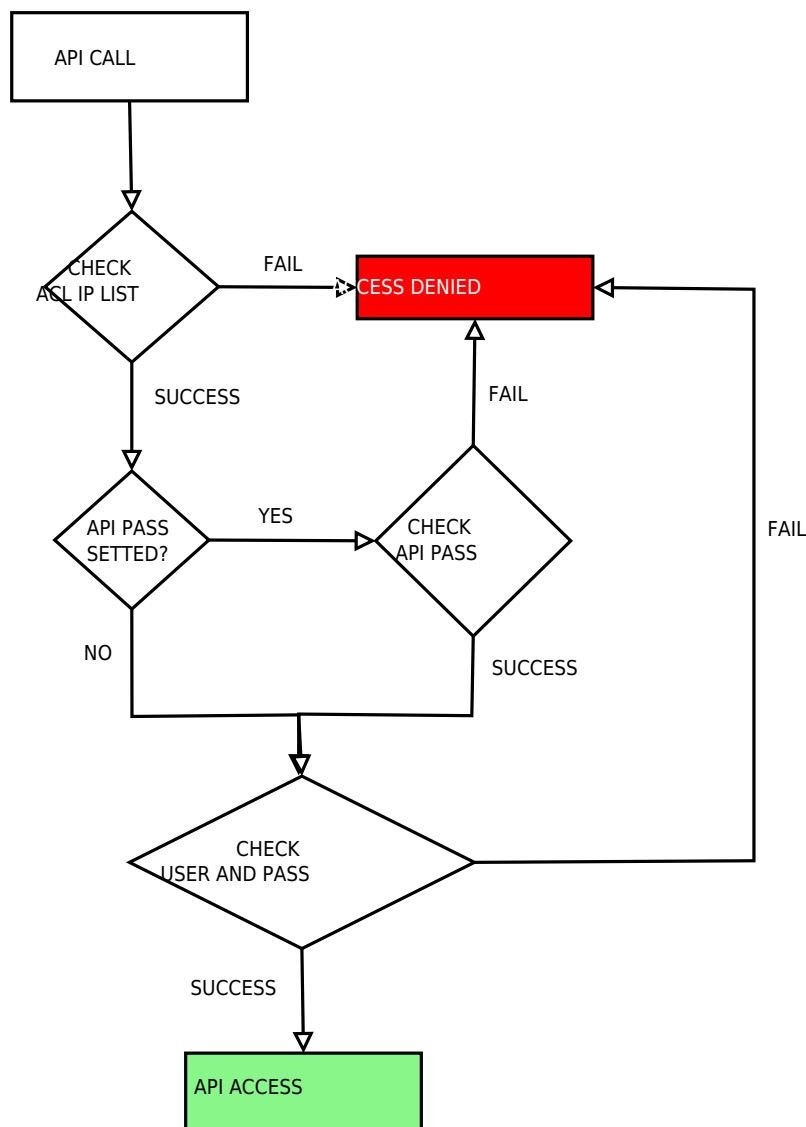
- The source IP is in the ACLs IP list
- The API password is not set or is *1234*
- The user *admin* exists and its password is *pandora*

## Security Workflow

**Starting from version 4.0.2**, the API will have several security improvements, and this is implemented by three factors:

- IP filtering. Only listed / filtered IP will be allowed to connect to the API.
- Global API password, if defined, needed to use the API.
- User & password valid in the console. Permissions will be used each time there is a requested operation.

It is explained in this workflow:



## New calls extension in the API

To develop new calls for the API, keep in mind that:

- The call has to be inscribed as a function in the file <installation Pandora FMS Console>/include/functions\_api.php .

- The function must have this structure: The prefix “api”, the kind of operation “get”, “set” or “help” (depending on whether it is a data read, data write or retrieve help operation) and the name of the call, trying to be coherent with the operation, as for example: function `api_get_[call_name](parameters)` .
- The function can have no parameters, but if it has them, the parameters received will be the following in the same order:
- id: first operator or parameter, it contains a string.
- id2: second operator or parameter, it contains a string.
- other: rest of operators or parameters, it contains as an array of two positions:
  - `$other['type']`: That might be be a string or an array.
  - `$other['data']`: That will be a string with the parameter or an array of numeric index with the past parameters.
- returnType: string that specifies the kind of return that the call will have. It is usually visible for you, but you may use or modify it if necessary.

## New Calls in the API from Pandora FMS extensions

It is possible to create new API calls without using `/include/functions_api.php`. The process consists of adding into a Pandora FMS extension directory a file with the following name: `<extension_name>.api.php`, and into this file create the desired functions with the same considerations of the standard API but with “apiextension” prefix instead of “api”.

For example, having an extension called “module\_groups” with the path `<Pandora installation>/extensions/module_groups`, create a file called `module_groups.api.php` into this directory.

The desired functions will be within this file, for example a function to get the number of modules in a group. This function must have a name like: “apiextension\_get\_groupmodules”.

### Function example

In this function, made up functions have been used.

```
function apiextension_get_groupmodules($group_name) {
    $group_id = group_id_from_name($group_name);
    if($group_id == false) {
        echo 'Group doesnt exist';
        return;
    }

    $number_of_modules = group_modules($group_id);
    echo $number_of_modules;
}
```

### Call example

This call example gets the number of modules of the “Servers” group.

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=extension&ext_name=module_groups&ext_function=groupmodules&id=Servers&apipass=1234&user=admin&pass=pandora
```

## API Functions

The following functions could be used in your call function code:

- `returnError(typeError, returnType)`: It gives back an error in an standardized way for all calls.
  - `typeError`: By now 'id\_not\_found' or null.
  - `returnType`: By now 'string' or error message.
- `returnData(returnType, data, separator)`: It is the function that returns the API call data.
  - `returnType`: That could be 'string', 'csv', 'csv\_head'
  - `data`: It is an array that contains the data, as well as its format. It has the following fields:
    - `'type'` (required): It could be 'string' and 'array'.
    - `'list_index'` (optional): It contains a numeric index array containing the alphanumeric index to be taken out through exit.
    - `'data'` (required): It contains a string with the data or an array of alphanumeric index or numeric index with data.

## Example

```
function api_get_module_last_value($idAgentModule, $trash1, $other = ';',
$returnType)
{
    $sql = sprintf('SELECT datos FROM tagente_estado WHERE id_agente_modulo
= %d', $idAgentModule);
    $value = get_db_value_sql($sql);
    if ($value === false) {
        switch ($other['type']) {
            case 'string':
                switch ($other['data']) {
                    case 'error_message':
                    default:
                        returnError('id_not_found', $returnType);
                        break;
                }
                break;
            case 'array':
                switch ($other['data'][0]) {
                    case 'error_value':
                        returnData($returnType, array('type' => 'string',
'data' => $other['data'][1]));
                        break;
                }
                break;
        }
    }
}
```

```
    }  
    else {  
        $data = array('type' => 'string', 'data' => $value);  
        returnData($returnType, $data);  
    }  
}
```

## API Calls

They are divided into two groups, depending on whether they return or write data in Pandora FMS.

There is an exception: The info retrieving call.

### INFO RETRIEVING

It returns the version of Pandora FMS Console in a similar way as the *get test* call but without checking the API connection.

This call is useful to verify that this path allows a Pandora FMS installation and to retrieve the version before authentication.

The returned info can be retrieved from the login screen, so it is not considered a security vulnerability.

```
http://127.0.0.1/pandora_console/include/api.php?info=version
```

A return sample could be: *Pandora FMS v5.0 - PC131015*

### GET

It returns the required data.

#### get test

It checks the connection to the API and returns the version of Pandora FMS Console.

This feature is in Metaconsole.

Call syntax: Without parameters

### Examples

This example will return OK,[version],[build]

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=test&apipass=1234&user=admin&pass=pandora
```

A return sample could be: *OK,v7.0NG.751,PC201215*

### get license

```
= 7.0NG 752
```

To consult the Pandora FMS use licence status, depending on the access level of the user's credentials.

Call syntax:

- op = get (required)
- op2= license (required)
- return\_type = json (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=license&return_type=json&apipass=1234&user=admin&pass=pandora
```

For *Community* version, it returns:

```
{
  "type": "array",
  "data": {
    "license_mode": "PANDORA-FREE",
  }
}
```

### get all\_agents

It returns a list of agent filters according to the filter in some other parameter.

Call syntax:

- op=get (required)
- op2=all\_agents (required)
- return\_type= csv or json (required)
- other=<serialized parameters> (optional). Serialized parameters to filter the agent search:
  - <filter\_so>
  - <filter\_group>
  - <filter\_module\_states>
  - <filter\_alias>
  - <filter\_policy>



- <csv\_separator>
- Recursion (1 or 0)

## Examples

This example will return all agents whose id\_os is equal to 1, id\_group equals 2, state equal to warning, their alias contains 'j', and the policy associated equals 2.

CSV example:

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=all_agents&return_type=csv&other=1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

JSON example:

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=all_agents&return_type=json&other=1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

## get license\_remaining

```
= 7.0NG 752
```

To check the number of Agents or Modules available according to the Pandora FMS use licence and according to the access level of the user credentials used.

Call syntax:

- op = get (required)
- op2= license\_remaining (required)
- return\_type = json (required)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=license_remaining&return_type=json&apipass=1234&user=admin&pass=pandora
```

## get module\_last\_value

Returns the last module value. This module is filtered by the ID which has gone through the id parameter. With the other parameter you may add an error code that your application knows and it is out of range of module values.

Call syntax:

- op=get (required)
- op2=module\_last\_value (required)
- id=<index> (required). It should be an agent module index.
- other=<error return> (optional). What you wish to receive if there is an error(usually not located in the database).
- Error return codes are:

- 'error\_message'. It returns an error in a text message.
- 'error\_value'<separator><code or value>. It returns this code or error value. But it is necessary to enclose it with 'other\_mode', like other\_mode=url\_encode\_separator\_<separator> to place the divider on another one.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_last_value&id=63&other=error_value|0&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_last_value&id=62&apipass=1234&user=admin&pass=pandora
```

### get agent\_module\_name\_last\_value

It returns the last module value. This module is filtered by the agent name which has gone through id parameter and module name which has gone through id2 parameter. With the other parameter, you may add an error code recognized by your application and which is out of range of module values.

Call Syntax:

- op=get (required)
- op2=agent\_module\_name\_last\_value (required)
- id=<alphanumeric>(required). It contains the agent name.
- id2=<alphanumeric> (required). It contains the module name.
- other=<error return> (optional). What you wish to receive if there is an error (that usually has not been found in the DB).
- Codes of error return are:
  - 'error\_message'. It returns error in a text message.
  - 'error\_value'<separator><code or value>. It returns this code or error value, but it must come with 'other\_mode' such as other\_mode=url\_encode\_separator\_<separator> to use the divider on another one.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=agent_module_name_last_value&id=miguel-portatil&id2=cpu_user&apipass=1234&user=admin&pass=pandora
```

### get agent\_module\_name\_last\_value\_alias

⇒ 7.0NG

It returns the last module value. This module is filtered by the agent alias which has gone through id parameter and module name which has gone through parameter id2. With the other parameter, you may add an error recognized by your application and which is out range of module values.

## Call Syntax:

- op=get (required)
- op2=module\_last\_value\_alias (required)
- id=<alphanumeric>(required). It contains the agent alias.
- id2=<alphanumeric> (required). It contains the module name.
- other=<error return> (optional). What you wish to receive if there is an error ( that usually has not been found in the DB).
- Codes of error return are:
  - 'error\_message'. It returns error in a text message.
  - 'error\_value'<separator><code or value>. It returns this code or error value, but it must come with 'other\_mode' such as other\_mode=url\_encode\_separator\_<separator> to use the divider on another one.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=agent_module_name_last_value_alias&id=pandorafms&id2=Memory_Used&apipass=1234&user=admin&pass=pandora
```

### get module\_value\_all\_agents

It returns a list of agent and module values, these modules are in all of the agents of the list and they are filtered by the name of module which has gone through the id parameter.

## Call syntax:

- op=get (required)
- op2=module\_value\_all\_agents (required)
- id=<name of the module> (required). This is the module name.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_value_all_agents&id=example_module_name&apipass=1234&user=admin&pass=pandora
```

### get agent\_modules

It returns the list of agent modulest, this agent is filtered by the id agent which has gone through id parameter.

## Call syntax:

- op=get (required)
- op2=agent\_modules (required)
- return\_type=<csv> (required) Output format.
- other=<serialized values> (required) Serialized values in order to filter by agent:

- <id\_agent>

The 'other\_mode' parameter must be completed like this  
other\_mode=url\_encode\_separator\_<separator> in order to configure the separator in other field.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=agent_modules&return_type=csv&other=14&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### get module\_id

It returns the id of an agent module.

Call syntax:

- op=get (required)
- op2=module\_id (required)
- id=id agent (required)
- other=module name (required)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_id&id=5&other=Host%20Alive&apipass=1234&user=admin&pass=pandora
```

### get module\_custom\_id

Returns the value of the *Custom\_id* field of a specific module of an agent passing as parameter the module id.

Call syntax:

- op=get (required)
- op2=module\_custom\_id (required)
- id=id\_agent\_module (required)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_custom_id&id=5&apipass=1234&user=admin&pass=pandora
```

### set module\_custom\_id

Changes or clears the value of the *Custom ID* field passing as parameters the module id and the value of the custom id.

Call syntax:

- op=set (required)
- op2=module\_custom\_id (required)
- id=id\_agent\_module (required)
- id2=value, or vacuum to clean (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=module_custom_id&id=5&id2=1521&apipass=1234&user=admin&pass=pandora
```

### get locate\_agent

It gets the id server where the agent is located, and prints all the results like a csv.

Call syntax:

- op=get (required)
- op2=locate\_agent (required)
- return\_type=<csv> (required). Output format.
- id=id\_agent (required)
- other\_mode= other\_mode=url\_encode\_separator\_<separator> (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=locate_agent&return_type=csv&apipass=1234&user=admin&pass=pandora&id=Pepito&other_mode=url_encode_separator_%7C
```

### get policies

It returns the list of agent policies, whose id which has gone through the other parameter.

Call syntax:

- op=get (required)
- op2=policies (required)
- return\_type=<csv> (required)
- other=<serialized values> (optional). Serialized values for filtering policies by policy agent:
- <id\_agent>

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=policies&return_type=csv&other=&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

## get tree\_agents

It returns a complete list structured by the groups in the first level, agents in the second level and modules in the third level. This list is filtered by the other parameter.

Call Syntax:

- op=get (required)
- op2=tree\_agents (required)
- return\_type=<return kind> (required). That could be 'csv' or 'csv\_head'.
- other=<string or serialized parameters> (optional). In this case, it could be the divider or a parameter list ordered and separated by the divider character. Both cases are described here:
  - <separator> The divider “yes” of the 'csv'.
  - <separator csv>|<character that replaces the CR>|<fields 1>,<fields 2>,<fields N>. It will place the following parameters in order (the divider character '|' could be specified in “other\_mode”):
    - <separator csv>. Field divider in the CSV.
    - <character that replaces the CR>. Character that will be replaced if it finds in any returned character the character RC, in order to avoid the ambiguity with the standard use of the RC character to specify registers/files in the CSV. If you make an string go through other, the replacing character is the blank space.
- <fields 1>,<fields2>,<fields N> :the fields to show in the CSV are:
  - type\_row
  - group\_id
  - group\_name
  - group\_parent
  - disabled
  - custom\_id
  - group\_description
  - group\_contact
  - group\_other
  - agent\_id
  - alias
  - agent\_direction
  - agent\_commentary
  - agent\_id\_group
  - agent\_last\_contact
  - agent\_mode
  - agent\_interval
  - agent\_id\_os
  - agent\_os\_version
  - agent\_version
  - agent\_last\_remote\_contact
  - agent\_disabled
  - agent\_id\_parent
  - agent\_custom\_id
  - agent\_server\_name
  - agent\_cascade\_protection
  - agent\_name

- module\_id\_agent\_modulo
- module\_id\_agent
- module\_id\_module\_type
- module\_description
- module\_name
- module\_max
- module\_min
- module\_interval
- module\_tcp\_port
- module\_tcp\_send
- module\_tcp\_rcv
- module\_snmp\_community
- module\_snmp\_oid
- module\_ip\_target
- module\_id\_module\_group
- module\_flag
- module\_id\_module
- module\_disabled
- module\_id\_export
- module\_plugin\_user
- module\_plugin\_pass
- module\_plugin\_parameter
- module\_id\_plugin
- module\_post\_process
- module\_prediction\_module
- module\_max\_timeout
- module\_custom\_id
- module\_history\_data
- module\_min\_warning
- module\_max\_warning
- module\_min\_critical
- module\_max\_critical
- module\_min\_ff\_event
- module\_delete\_pending
- module\_id\_agent\_state
- module\_data
- module\_timestamp
- module\_state
- module\_last\_try
- module\_utimestamp
- module\_current\_interval
- module\_running\_by
- module\_last\_execution\_try
- module\_status\_changes
- module\_last\_status
- module\_plugin\_macros
- module\_macros
- module\_critical\_inverse (only in version 6.0SP1 or later)
- module\_warning\_inverse (only in version 6.0SP1 or later)
- alert\_id\_agent\_module
- alert\_id\_alert\_template

- alert\_internal\_counter
- alert\_last\_fired
- alert\_last\_reference
- alert\_times\_fired
- alert\_disabled
- alert\_force\_execution
- alert\_id\_alert\_action
- alert\_type
- alert\_value
- alert\_matches\_value
- alert\_max\_value
- alert\_min\_value
- alert\_time\_threshold
- alert\_max\_alerts
- alert\_min\_alerts
- alert\_time\_from
- alert\_time\_to
- alert\_monday
- alert\_tuesday
- alert\_wednesday
- alert\_thursday
- alert\_friday
- alert\_saturday
- alert\_sunday
- alert\_recovery\_notify
- alert\_field2\_recovery
- alert\_field3\_recovery
- alert\_id\_alert\_template\_module
- alert\_fires\_min
- alert\_fires\_max
- alert\_id\_alert\_command
- alert\_command
- alert\_internal
- alert\_template\_modules\_id
- alert\_templates\_id
- alert\_template\_module\_actions\_id
- alert\_actions\_id
- alert\_commands\_id
- alert\_templates\_name
- alert\_actions\_name
- alert\_commands\_name
- alert\_templates\_description
- alert\_commands\_description
- alert\_template\_modules\_priority
- alert\_templates\_priority
- alert\_templates\_field1
- alert\_actions\_field1
- alert\_templates\_field2
- alert\_actions\_field2
- alert\_templates\_field3



- alert\_actions\_field3
- alert\_templates\_id\_group
- alert\_actions\_id\_group'

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=tree_agents&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=tree_agents&return_type=csv&other=;|%20|type_row,group_id,agent_name&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### get module\_data

Returns a list of values of a module, this module is filtered by the id of module pass as id in the url. And the list of values is from the now to the period limit passed as second parameter into the other parameter, the first is the CSV separator.

Call syntax:

- op=set (required)
- op2=module\_data (required)
- id=<id\_modulo> (required)
- other\_mode=url\_encode\_separator\_<separator> (required)
- other=<serialized parameters> (optional)
- The CSV divider character (point by default)
- The period (in seconds)
- Start time (<year><month><day>T<hour>:<minute>)
- End time (<year><month><day>T<hour>:<minute>)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_data&id=17&other=;|604800|20121201T13:40|20171215T13:40&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### get graph\_module\_data

Returns the chart of a module as an image file, this chart is generated with the same method of static graphs of Pandora FMS. It is necessary to include the width, height, period, label and start date of chart (knowing in Pandora FMS the date indicated in graphs is always the data end) into the other parameter.

Call syntax:

- op=set (required)
- op2=module\_data (required)
- id=<id\_modulo> (required)

- other=<serialized parameters> (required). They are the following in this order:
  - <period>
  - <width>
  - <height>
  - <label>
  - <start\_date>

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=graph_module_data&id=17&other=604800|555|245|pepito|2009-12-07&other_mode=url_encode_separator_|&apikey=1234&user=admin&pass=pandora
```

## get events

It returns a list of events filtered by the other parameter.

Call syntax:

- op=get (required)
- op2=events (required)
- return\_type=csv (required)
- other\_mode=url\_encode\_separator\_| (optional)
- other=<serialized parameters> (optional). They are the following in this order:
  - <separator>
  - <criticity> Values from 0 to 4, or -1 to avoid this param
  - <agent alias>
  - <module name>
  - <alert template name>
  - <user>
  - <numeric interval minimum level > in unix timestamp
  - <numeric interval maximum level > in unix timestamp
  - <status>
  - <event substring>
  - <register limit>
  - <offset register>
  - <optional style [total|more\_criticity]> (total - it returns the number of the records, more\_criticity - it returns the highest criticity value)
  - <id\_grupo>
  - <tags>
  - <event type> unknown, alert\_fired, alert\_recovered,.. or its substring. You may also use 'not\_normal'.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=events&return_type=csv&apikey=1234&user=admin&pass=pandora
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=events&other_mod
```

```
e=url_encode_separator_&return_type=csv&other=;|2|SERVER|CPU|template_alert00||1274715715|127471781&apipass=1234&user=admin&pass=pandora
```

### get all\_alert\_templates

It returns the list of alert templates defined in Pandora FMS.

Call syntax:

- op=get (required)
- op2=all\_alert\_templates (required)
- other=cvs\_separator (optional)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=all_alert_templates&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
```

### get module\_groups

It returns the list of module groups.

Call syntax:

- op=get (required)
- op2=module\_groups (required)
- other=cvs\_separator (optional)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_groups&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
```

### get plugins

It returns the list of Pandora FMS server plugins.

Call syntax:

- op=get (required)
- op2=plugins (required)
- other=cvs\_separator (optional)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=plugins&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
```

## get tags

It returns the list of tags defined in Pandora FMS.

Call syntax:

- op=get (required)
- op2=tags (required)
- return\_type=csv (required)

**Examples** This example will return all tags in the system.

```
http://localhost/pandora_console/include/api.php?op=get&op2=tags&return_type=csv&apipass=1234&user=admin&pass=pandora
```

## get module\_from\_conf

| = 5.0 (Only Enterprise)

It returns the configuration of a local module.

Call syntax:

- op=get (required)
- op2=update\_module\_in\_conf (required)
- id=<agent id> (required)
- id2=<module name> (required)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_from_conf&apipass=1234&user=admin&pass=pandora&id=9043&id2=example_name
```

It returns an empty string if no modules are found.

## get total\_modules

Total modules by group.

Call syntax:

- op=get (required)
- op2=total\_modules (required)
- id=<id group> (required)

## Examples

```
http://localhost/pandora_console/include/api.php?op=get&op2=total_modules&id
```

```
=2&apipass=1234&user=admin&pass=pandora
```

If the group id is 0, it returns the total amount of modules.

### get total\_agents

Total agents by group.

Call syntax:

- op=get (required)
- op2=total\_agents (required)
- id=<id group> (required)

### Examples

```
http://localhost/pandora_console/include/api.php?op=get&op2=total_agents&id=2&apipass=1234&user=admin&pass=pandora
```

### get agent\_name

Agent name for a given id

Call syntax:

- op=get (required)
- op2=agent\_name (required)
- id=<agent id> (required)

### Examples

```
http://localhost/pandora_console/include/api.php?op=get&op2=agent_name&id=1&apipass=1234&user=admin&pass=pandora
```

### get agent\_alias

```
| = 7.0NG
```

Agent alias for a given id.

Call syntax:

- op=get (required)
- op2=agent\_alias (required)
- id=<agent id> (required)
- id2=<node id> (required in the meta console, unnecessary in the node)

### Examples

- Node:

```
http://localhost/pandora_console/include/api.php?op=get&op2=agent_alias&id=1&apipass=1234&user=admin&pass=pandora
```

- Metaconsole:

```
http://localhost/pandora_console/enterprise/meta/include/api.php?op=get&op2=agent_alias&id=1&id2=1&apipass=1234&user=admin&pass=pandora
```

### **get module\_name**

Module name for a given id.

Call syntax:

- op=get (required)
- op2=module\_name (required)
- id=<module id> (required)

### **Examples**

```
http://localhost/pandora_console/include/api.php?op=get&op2=module_name&id=1&apipass=1234&user=admin&pass=pandora
```

### **get alert\_action\_by\_group**

Total alert execution with an action by group.

Call syntax:

- op=get (required)
- op2=alert\_action\_by\_group (required)
- id=<group id> (required)
- id2=<action id> (required)

### **Examples**

```
http://localhost/pandora_console/include/api.php?op=get&op2=alert_action_by_group&id=0&id2=3&apipass=1234&user=admin&pass=pandora
```

### **get alert\_actions**

List of alert actions

Call syntax:

- op=get (required)
- op2=alert\_actions (required)
- return\_type=<return type> (required). It can be 'csv' or 'json'.
- other=<serialized parameters> (optional):
  - <action\_name> (optional)
  - <separator> (optional)

### Examples

```
http://localhost/pandora_console/include/api.php?op=get&op2=alert_actions&apipass=1234&user=admin&pass=pandora&other=Create|&other_mode=url_encode_separator_|&return_type=json
```

### get alert\_actions\_meta

This feature is in Metaconsole.

List of node alert actions from Metaconsole.

Call syntax:

- op=get (required)
- op2=alert\_actions\_meta (required)
- return\_type=<return type> (required). It can be 'csv' or 'json'.
- other=<serialized parameters> (optional):
  - <server\_name> (optional)
  - <action\_name> (optional)
  - <separator> (optional)

### Examples

```
http://localhost/pandora_console/include/api.php?op=get&op2=alert_actions_meta&apipass=1234&user=admin&pass=pandora&other=nodo|Create|&other_mode=url_encode_separator_|&return_type=json
```

### get all\_alert\_commands

It returns all the alert commands.

Call syntax:

- op=get (required)
- op2=all\_alert\_commands (required)
- other=cvs\_separator(optional)

### Examples

```
http://localhost/pandora_console/include/api.php?op=get&op2=all_alert_commands&return_type=csv&other=$&apipass=1234&user=admin&pass=pandora
```

### get event\_info

It returns all event data by typing in the event id.

This feature is in Metaconsole.

Call syntax:

- op=get (required)
- op2=event\_info (required)
- id=<id\_event> (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=event_info&id=80&apipass=1234&user=admin&pass=pandora
```

### get tactical\_view

It returns the following value list (this values can be seen in the tactical page in Pandora FMS Console)

- monitor\_checks
- monitor\_not\_init
- monitor\_unknown
- monitor\_ok
- monitor\_bad
- monitor\_warning
- monitor\_critical
- monitor\_not\_normal
- monitor\_alerts
- monitor\_alerts\_fired
- monitor\_alerts\_fire\_count
- total\_agents
- total\_alerts
- total\_checks
- alerts
- agents\_unknown
- monitor\_health
- alert\_level
- module\_sanity
- server\_sanity



- total\_not\_init
- monitor\_non\_init
- agent\_ok
- agent\_warning
- agent\_critical
- agent\_unknown
- agent\_not\_init
- global\_health

Call syntax:

- op=get (required)
- op2=tactical\_view (required)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=tactical_view&apipass=1234&user=admin&pass=pandora
```

### get pandora\_servers

= 5.0

It returns the list of Pandora FMS servers.

Call syntax:

- op=get (required)
- op2=pandora\_servers (required)
- other=cvs\_separator (optional)
- return\_type=csv (required)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=pandora_servers&return_type=csv&apipass=1234&user=admin&pass=pandora
```

It returns the fields in this order:

- name
- status (1 - up, 0 - down)
- type (human readable string)
- master (1 - master, 0 - not master)
- running modules
- total modules
- max delay (sec)
- delayed modules
- threads
- queued\_modules
- timestamp of update (human readable string)

## get custom\_field\_id

| = 5.0

It translates the name of custom field into the id in the data base.

Call syntax:

- op=get (required)
- op2=custom\_field\_id (required)
- other=<serialized parameters> (required). In this case, custom field name.
- <name> (required)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=custom_field_id&other=mycustomfield&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

## get gis\_agent

| = 5.0

It returns the last GIS agent data.

Call syntax:

- op=set (required)
- op2=gis\_agent (required)
- id=<index> (required). It must be an agent index.

### Example

```
http://localhost/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=gis_agent&id=1
```

## get special\_days

| = 5.1

It returns special day's list.

Call syntax:

- op=get (required)
- op2=special\_days (required)
- other=<csv separator> (optional). CSV separator

## Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pas  
s=pandora&op=get&op2=special_days
```

### get module\_properties

= 5.1SP2

It returns a list of module properties. The list could be filtered by parameter.

Call Syntax:

- op=get (required)
- op2=module\_properties (required)
- id=module-id (required)
- return\_type=<return kind> (required). That could be 'csv' or 'csv\_head'.
- other=<string or serialized parameters> (optional). In this case, it could be the divider or a parameter list ordered and separated by the divider character. Both cases are exposed:
  - <separator>. The divider “yes” of the 'csv'.
  - <separator csv>|<. Character that replaces the CR|<fields 1>,<fields 2>,<fields N>. It will make up the following parameters in order (the divider character '|' could be specified in “other\_mode”):
  - <separator csv>. Field divider in the CSV.
  - <character that replaces the CR>. Character that will be replaced if it finds in any returned character the character RC, in order to avoid the ambiguity with the standard use of the RC character to specify registers/files in the CSV. If you make a string go through other, the replacing character is the blank space.
  - <fields 1>,<fields2>,<fields N>. The fields to output in CSV are:
    - module\_id\_agent\_module
    - module\_id\_agent
    - module\_id\_module\_type
    - module\_description
    - module\_name
    - module\_max
    - module\_min
    - module\_interval
    - module\_tcp\_port
    - module\_tcp\_send
    - module\_tcp\_rcv
    - module\_snmp\_community
    - module\_snmp\_oid
    - module\_ip\_target
    - module\_id\_module\_group
    - module\_flag
    - module\_id\_module
    - module\_disabled
    - module\_id\_export
    - module\_plugin\_user

- module\_plugin\_pass
- module\_plugin\_parameter
- module\_id\_plugin
- module\_post\_process
- module\_prediction\_module
- module\_max\_timeout
- module\_custom\_id
- module\_history\_data
- module\_min\_warning
- module\_max\_warning
- module\_min\_critical
- module\_max\_critical
- module\_min\_ff\_event
- module\_delete\_pending
- module\_id\_agent\_state
- module\_data
- module\_timestamp
- module\_state
- module\_last\_try
- module\_utimestamp
- module\_current\_interval
- module\_running\_by
- module\_last\_execution\_try
- module\_status\_changes
- module\_last\_status
- module\_plugin\_macros
- module\_macros
- module\_critical\_inverse (only in version 6.0SP1 or later)
- module\_warning\_inverse (only in version 6.0SP1 or later)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_properties&id=6233&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_properties&id=1103&return_type=csv&other=;|%20|module_id_agent_module,module_id_module_type,module_name,module_last_try,module_state&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### get module\_properties\_by\_name

= 5.1SP2

It returns a list of module properties. The list could be filtered by parameter.

Call Syntax:

- op=get (required)
- op2=module\_properties\_by\_name (required)

- id=agent\_name (required)
- id2=agentmodule\_name (required)
- return\_type=<return kind> (required). That could be 'csv' or 'csv\_head'.
- other=<string or serialized parameters> (optional). In this case, it could be the divider or a parameter list in order and separated by the divider character. (the same as 'get module\_properties'. For details, see 'get module\_properties')

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_properties_by_name&id=my_agent&id2=my_module&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
```

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_properties_by_name&id=my_agent&id2=my_module&return_type=csv&other=;%20|module_id_agent_module,module_id_module_type,module_type,module_name,module_last_try,module_state&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### get module\_properties\_by\_alias

= 7.0NG

It returns a list of module properties. The list could be filtered by parameter.

Call Syntax:

- op=get (required)
- op2=module\_properties\_by\_alias (required)
- id=agent\_alias (required)
- id2=agentmodule\_name (required)
- return\_type=<return kind> (required). That could be 'csv' or 'csv\_head'.
- other=<string or serialized parameters> (optional). In this case, it could be the divider or a parameter list ordered and separated by the divider character (the same as 'get module\_properties'. For details, see 'get module\_properties').

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=module_properties_by_alias&id=pandorafms&id2=Memory_Used&return_type=csv&other=;&apipass=1234&user=admin&pass=pandora
```

### get module\_graph

It returns a Module graph [encoded with base64](#)..

Call Syntax:

- op=get (required)
- op2=module\_graph (required)

- `id=<module id>` (required)
- `other=<period in seconds>` (optional) 3600 by default (1 hour). Period of time used in the data recovery.

From version NG 752 onwards, more parameters are available, please pay attention to the mandatory fields and their separators | or its [Escape character](#) %7C .

- `op=get` (required)
- `op2=module_graph` (required)
- `id=<module id>` (required)
- `other=`
  - Time range in seconds (default 3600 ) in which data will be collected from the date of the request backwards (required).
  - Separator.
  - 0 for base64 graphics, 1 for image (required).
  - Separator.
  - 0 without thresholds, 1 with thresholds - if the Module has active thresholds - (required).
  - Separator.
  - Height of the graph, in pixels (required). Additionally it needs 49 pixels to display the map keys.

**Examples** Prior to version NG 752:

```
http://localhost/pandora_console/include/api.php?op=get&op2=module_graph&id=5&other=3600%7C1&other_mode=url_encode_separator_%7C&apipass=1234&api=1&user=admin&pass=pandora
```

Version NG 752 or higher:

```
http://localhost/pandora_console/include/api.php?op=get&op2=module_graph&id=2&other=3600%7C1%7C1%7C500%7C&other_mode=url_encode_separator_%7C|&apipass=1234&api=1&user=admin&pass=pandora
```

### get all\_planned\_downtimes

= 5.1

It returns all matches of planned downtime.

`op=get op2=all_planned_downtimes return_type=csv other=<name> <group> <type_downtime> <type_execution> <type_periodicity>` (for filtering)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=all_planned_downtimes&other=test|0|quiet|periodically|weekly&other_mode=url_encode_separator_|&return_type=json&apipass=1234&user=admin&pass=pandora
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=all_planned_downtimes&other=test|0|quiet|periodically|weekly&other_mode=url_encode_separator
```

```
_|&return_type=csv&apipass=1234&user=admin&pass=pandora
```

### get planned\_downtimes\_items

| = 5.1

It returns all matches of planned downtime items.

op=get op2=planned\_downtimes\_items return\_type=csv other=<name> <group>  
<type\_downtime> <type\_execution> <type\_periodicity> (for filter)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=planned_downtime  
s_items&other=test|0|quiet|periodically|weekly&other_mode=url_encode_separat  
or_|&return_type=json&apipass=1234&user=admin&pass=pandora  
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=planned_downtime  
s_items&other=test|0|quiet|periodically|weekly&other_mode=url_encode_separat  
or_|&return_type=csv&apipass=1234&user=admin&pass=pandora
```

### get id\_group\_agent\_by\_name

| = 5.1

It returns the group id of an agent.

Call Syntax:

- op=get
- op2=id\_group\_agent\_by\_name
- other=<string or serialized parameters>. Agent name and filtering parameters (optional).
  - <agent\_name>

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pas  
s=pandora&op=get&op2=id_group_agent_by_name&other_mode=url_encode_separat  
_|&other=192.168.50.40
```

### get id\_group\_agent\_by\_alias

| = 7.0NG

It returns the group id of an agent.

Call Syntax:

- op=get
- op2=id\_group\_agent\_by\_alias

- other=<string or serialized parameters>. Agent alias and filtering parameters (optional)
  - <agent\_alias>

## Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=id_group_agent_by_alias&other_mode=url_encode_separator_%7C&other=pandorafms
```

### get group\_agent\_by\_name

= 5.1

It returns the group name for a agent.

Call Syntax:

- op=get
- op2=group\_agent\_by\_name
- other=<string or serialized parameters> Agent name and filtering parameters (optional).
  - <agent\_name>

## Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=group_agent_by_name&other_mode=url_encode_separator_|&other=192.168.50.40
```

### get group\_agent\_by\_alias

= 7.0NG

It returns the group name for an agent.

Call Syntax:

- op=get
- op2=group\_agent\_by\_alias
- other=<string or serialized parameters>. Agent alias and filtering parameters (optional).
  - <agent\_alias>

## Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=group_agent_by_alias&other_mode=url_encode_separator_%7C&other=pandorafms
```



### get\_group\_id\_by\_name

| = 7.0NG

It returns the group id from the name.

Call syntax:

- op=get
- op2=group\_id\_by\_name
- other=<unique parameter> (required):
  - <group\_name>

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=group_id_by_name&other=Servers
```

### get\_timezone

| = 7.0NG

It returns the timezone with which pandora is configured.

Call syntax:

- op = get
- op2= timezone

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=timezone
```

### get\_cluster\_status

| = 7.0

It returns the cluster status by id

- op=get
- op2=cluster\_status
- id=cluster id

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=cluster_status&id=1&apipass=1234&user=admin&pass=pandora
```

### get\_cluster\_id\_by\_name

| = 7.0

It returns the id of the cluster by name

- op=get
- op2=cluster\_id\_by\_name
- id=cluster name

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=cluster_id_by_name&id=paco&apipass=1234&user=admin&pass=pandora
```

#### **get agents\_id\_name\_by\_cluster\_id**

| = 7.0

It returns the id ⇒ cluster agents names by cluster id

- op=get
- op2=agents\_id\_name\_by\_cluster\_id
- id=cluster id

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=agents_id_name_by_cluster_id&id=1&apipass=1234&user=admin&pass=pandora
```

#### **get agents\_id\_name\_by\_cluster\_name**

| = 7.0

It returns the id ⇒ cluster agents names by cluster name

- op=get
- op2=agents\_id\_name\_by\_cluster\_name
- id=cluster id

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=agents_id_name_by_cluster_name&id=paco&apipass=1234&user=admin&pass=pandora
```

#### **get modules\_id\_name\_by\_cluster\_id**

| = 7.0

It returns the id ⇒ all the module names of the cluster agents by cluster id

- op=get
- op2=modules\_id\_name\_by\_cluster\_id
- id=cluster id

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=modules_id_name_by_cluster_id&id=1&apipass=1234&user=admin&pass=pandora
```

```
by_cluster_id&id=1&apipass=1234&user=admin&pass=pandora
```

### get modules\_id\_name\_by\_cluster\_name

= 7.0

It returns the id ⇒ all the module names of the cluster agents by cluster name

- op=get
- op2=modules\_id\_name\_by\_cluster\_name
- id=cluster name

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=modules_id_name_by_cluster_name&id=paco&apipass=1234&user=admin&pass=pandora
```

### get cluster\_items

= 7.0

It returns the items of a json object with the format: item id ⇒ (name,id,module\_agent,type,pcrit,pwarn), by cluster id

pcrit: % for the critic state if its AA or 1 o 0 if its AP

pwarn: % for the warning state if its AA or null if its AP

- op=get
- op2=cluster\_items
- id=cluster id

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=cluster_items&id=1&apipass=1234&user=admin&pass=pandora
```

### get policy

= 7.0NG. 725

It returns all data from a policy. If no policy id is specified, it will return all data from all policies.

Call syntax:

- op=get
- op2=policy
- id=id\_policy (optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=policy&apipass=1
```

```
1234&user=admin&pass=pandora&return_type=json.
```

### get collections\_policy

= 7.0NG. 725

It returns all policy collections. If no policy id is specified, it returns all policy collections.

Call syntax:

- op=get
- op2=collections\_policy
- id=id\_policy (optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=collections_policy&apikey=1234&user=admin&pass=pandora&return_type=json.
```

### get plugins\_policy

= 7.0NG. 725

It returns all policy plugins. If no policy id is specified, it returns all policy plugins.

Call syntax:

- op=get
- op2=plugins\_policy
- id=id\_policy (optional)
- return\_type=(json, csv, string).

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=plugins_policy&apikey=1234&user=admin&pass=pandora&return_type=json.
```

### get inventory\_policy

= 7.0NG. 725

It returns all inventory modules of a policy. If no policy id is specified, it returns all inventory modules of all policies.

Call syntax:

- op=get

- op2=inventory\_policy
- id=id\_policy (optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=inventory_policy
&apipass=1234&user=admin&pass=pandora&return_type=json&id=2
```

### get unlinking\_policy

= 7.0NG. 725

It returns all unlinked modules of a policy. If no policy id is specified, it returns all unlinked modules of all policies.

Call syntax:

- op=get
- op2=unlinking\_policy
- id=id\_policy(optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=unlinking_policy
&apipass=1234&user=admin&pass=pandora&return_type=json.
```

### get alerts\_policy

= 7.0NG. 725

It returns the alerts of a policy, taking into account:

- If a policy id is specified, it returns the alerts of that policy. If not, it returns all alerts of all policies.
- If the type of alert is specified: (three options).
  - 0: it shows all by default.
  - 1: Shows only the normal alerts.
  - 2: Shows only the external alerts.

Call syntax:

- op=get
- op2=alerts\_policy
- id=id\_policy(optional)
- id2=0:all(by default), 1:normal, 2:external.
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=alerts_policy&apipass=1234&user=admin&pass=pandora&return_type=json&id2=2.
```

### get alerts\_actions\_policy

= 7.0NG. 725

It returns all actions of the alerts of a policy, taking into account:

- If a policy id is specified, it returns the actions of the alerts of that policy. If not, it returns all the actions of all the alerts of all policies.
- If an alert id is specified, it returns the action of that alert.

Call syntax:

- op=get
- op2=alerts\_actions\_policy
- id=id\_policy(optional)
- id2=id\_policy\_alert(optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=alerts_actions_policy&apipass=1234&user=admin&pass=pandora&return_type=json&id=1&id2=3
```

### get agents\_policy

= 7.0NG. 725

It returns all policy agents. If no policy id is specified, it returns all agents of all policies.

Call syntax:

- op=get
- op2=agents\_policy
- id=id\_policy(optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=agents_policy&apipass=1234&user=admin&pass=pandora&return_type=json.
```

### get groups\_policy

= 7.0NG. 725

It returns all groups of a policy. If no policy id is specified, it returns all groups of all policies.

Call syntax:

- op=get
- op2=groups\_policy
- id=id\_policy(optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=groups_policy&api  
pass=1234&user=admin&pass=pandora&return_type=json&id=2
```

### get queue\_policy

```
= 7.0NG. 725
```

It returns the queue of a policy. If no id policy is specified, its returns all queues of all policies.

Call syntax:

- op=get
- op2=queue\_policy
- id=id\_policy(optional)
- return\_type=(json, csv, string)

### Example

```
http://localhost/pandora_console/include/api.php?op=get&op2=queue_policy&api  
pass=1234&user=admin&pass=pandora&return_type=json
```

### get traps

```
= 7.0NG. 728
```

It returns the specified source traps, they can also be filtered by timestamp and other data.

Call syntax:

- op=get
- op2=traps
- other=<optional parameters>
  - <timestamp>
  - <limit>
  - <offset>
  - <status>
  - <oid\_custom>

### Example

```
https://localhost/pandora_console/include/api.php?op=get&op2=traps&other=1537128000%7C9000%7C0%7C1%7C.1.2.3.6.4&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### get event\_responses

It returns the response list of events the user has access to in Pandora FMS.

Call syntax:

- op=get (required)
- op2=event\_reponses (required)
- return\_type=csv|json (required)

### Example

This example will return all system event responses in csv format.

```
http://localhost/pandora_console/include/api.php?op=get&op2=event_responses&return_type=csv&apipass=1234&user=admin&pass=pandora
```

### get users

It returns the list of Pandora FMS users.

Call syntax:

- op=get (required)
- op2=users (required)
- return\_type=csv|json (required)

### Example

This example will return all users in csv format.

```
http://localhost/pandora_console/include/api.php?op=get&op2=users&return_type=csv&apipass=1234&user=admin&pass=pandora&other_mode=url_encode_separator_&
```

### get list all user

This feature is in Metaconsole.

It lists all Pandora FMS users.



Call syntax:

```
* op=get (required)
* op2=list_all_user(required)
* return_type=csv|json (required)
```

### Example

It can return Json or CSV, this return is remarked through the URL. Only the type of return is remarked, it does not use any specific variable

[http://localhost/pandora\\_console/include/api.php?op=get&op2=list\\_all\\_user&return\\_type=json&apipass=1234&user=admin&pass=pandora](http://localhost/pandora_console/include/api.php?op=get&op2=list_all_user&return_type=json&apipass=1234&user=admin&pass=pandora)

### get info user name

This feature is in Metaconsole.

It lists user data.

Call syntax:

- op=get (required)
- op2=list\_all\_user(required)
- return\_type=csv|json (required)
- other= usernarme (requiered)

### Example

It obtains all the information about a specific user. It can return Json or CSV. This return is specified through the URL. Only the username is used to obtain said information:

[http://localhost/pandora\\_console/include/api.php?op=get&op2=info\\_user\\_name&return\\_type=json&other=admin&other\\_mode=url\\_encode\\_separator\\_&apipass=1234&user=admin&pass=pandora](http://localhost/pandora_console/include/api.php?op=get&op2=info_user_name&return_type=json&other=admin&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora)

### get user\_profiles\_info

It returns the list of Pandora FMS user profiles.

Call syntax:

- op=get (required)
- op2=user\_profiles\_info (required)
- return\_type=csv|json (required)

### Example

This example will return all user profiles in json format.

```
http://localhost/pandora_console/include/api.php?op=get&op2=user_profiles_info&return_type=csv&apipass=1234&user=admin&pass=pandora&other_mode=url_encode_separator_&
```

### get migrate\_agent

= 7.21 ONLY METACONSOLE

It looks up whether an specific agent exists in migration queue, returning the data of migration\_queue.

- op=get
- op2=migrate\_agent
- id=id\_agente a migrar
- return\_type = string, json, etc

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=migrate_agent&apipass=1234&user=admin&pass=pandora&id=2&return_type=json
```

### get language

= 7.0NG 730

It returns the language with which Pandora FMS is configured.

Call syntax:

- op=get
- op2=language

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=language
```

### get session\_timeout

= 7.0NG 730

It returns the session time with which Pandora FMS is configured.

Call syntax:

- op=get
- op2=session\_timeout

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=get&op2=session_timeout
```

#### get groups

= 7.0NG 732

It returns the existing groups.

Call syntax:

- op=get
- op2=groups
- other=<optional parameters>:
  - <csv\_separator>: ';' by default.
  - <return\_all\_group>. It returns the group 'All'.
  - <return\_all\_columns>. It returns all columns.

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=groups&other=;%7C1%7C0&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

#### get filter user group

This feature is in Metaconsole.


It obtains user groups through filtering.

Call syntax:

- op=get (required)
- op2=filter\_user\_group (required)
- return\_type=csv|json(required)
- other= id group(required)|Enabled or not(Disabled)(required)

### Example

It can return json or CSV. This return is remarked through the URL.



Be careful, one of the two variables (group id or Enabled) may be empty, but at least one of them should be filled out.

```
http://localhost/pandora_console/include/api.php?op=get&op2=filter_user_group&return_type=json&other=0|0&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### **get inventory\_modules**

It returns the list of Pandora inventory modules.

Call syntax:

- op=get (required)
- op2=inventory\_modules (required)
- return\_type=csv|json (required)

### **Examples**

This example will return information from all of the system's inventories in json format.

```
http://localhost/pandora_console/include/api.php?op=get&op2=inventory_modules&return_type=json&apipass=1234&user=admin&pass=pandora
```

### **get inventory\_modules\_by\_name**

Obtains the inventory modules from an agent using the agent name.

Call syntax:

- op=get (required)
- op2=inventory\_modules\_by\_name (required)
- id=<agent name> (required)

### **Examples**

```
http://localhost/pandora_console/include/api.php?op=get&op2=inventory_modules_by_name&id=name&return_type=csv&apipass=1234&user=admin&pass=pandora
```

### **get inventory\_modules\_by\_alias**

Obtains the inventory modules from an agent using the agent alias.

Call syntax:

- op=get (required)
- op2=inventory\_modules\_by\_alias (required)
- id=<agent alias> (required)

### **Examples**

```
http://localhost/pandora_console/include/api.phpop=get&op2=inventory_modules_by_alias&id=alias&return_type=csv&apipass=1234&user=admin&pass=pandora
```

### get inventory\_module\_data

Obtains the data from an inventory module using agent name and module.

Call syntax:

- op=get (required)
- op2=inventory\_module\_data (required)
- id=<agent name> (required)
- id2=<inventory module name> (optional)
- other=<serialized parameters> (optional), the following ones in this order:
  - <separator>
  - <date\_from>: <year><month><day>T<hour>:<minute>
  - <date\_to>: <year><month><day>T<hour>:<minute>
  - <use\_agent\_alias> (optional) values 0 and 1.

### Examples

```
http://127.0.0.1/pandora_console/include/api.phpop=get&op2=inventory_module_data&id=e14ae3b959b08a1fb7a057281401a08063cf04eb714efa5fbf1cf4043cfa1314&id2=Routes&other=,%7C20191010T13:40%7C20191211T13:40%7C0&return_type=csv&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### get list\_collections

It returns the list of all the collections in Pandora FMS.

Call syntax:

- op=get (required)
- op2=list\_collections (required)

### Examples

This example will return information from all collections in json format.

```
http://localhost/pandora_console/include/api.php?op=get&op2=list_collections&apipass=1234&user=admin&pass=pandora
```

### get list\_collection\_files

It returns the list of all files in a collection. If it does not receive a collection id, it will return all files from all collections.

Call syntax:

- op=get (required)
- op2=list\_collections\_files (required)
- id=id\_collection

## Examples

This example will return the names of all files in a collection in json format.

```
http://localhost/pandora_console/include/api.php?op=get&op2=list_collection_files&id=1&apipass=1234&user=admin&pass=pandora
```

### get event\_mcid

It returns the ID of the events in the metaconsole, using the ID of the node and the ID of the event from the node.

This feature is in Metaconsole.

Call syntax:

- op=get (required)
- op2=event\_mcid (required)
- id=<server\_id> (required) the ID of one of the nodes.
- id2 = <id\_source\_event> (required) The ID of the event from the node.

### Example

```
http://172.16.0.3/pandora_console/include/api.php?op=get&op2=event_mcid&return_type=json&id=0&id2=0&apipass=1234&user=admin&pass=pandora
```

## SET

It sends data.

### set new\_agent

It creates a new agent with the data sent as parameters.

Call syntax:

- op=set (required)
- op2=new\_agent (required)
- other=<serialized parameters> (required). They are the agent configuration and data, serialized in the following order:

- <agent\_alias>
- <ip>
- <id\_parent>
- <id\_group>
- <cascade\_protection>
- <cascade\_protection\_module>
- <interval\_sec>
- <id\_os>
- <name\_server>
- <custom\_id>
- <learning\_mode>
- <disabled>
- <description>
- <alias\_as\_name>

## Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_agent&other=
agente_alias%7C1.1.1.1%7C0%7C4%7C0%7C0%7C300%7C10%7Cpandorafms%7C8%7C10%7C%7
Cla%20descripcion%7C1&other_mode=url_encode_separator_%7C&apipass=1234&user=
admin&pass=pandora
```

\*Note: If *alias\_as\_name* is 1, the agent name will be the same as the alias. If it is 0, the agent name will be automatically generated.

## set update\_agent

It updates a new agent with data as parameters.

Call syntax:

- op=set (required)
- op2=update\_agent (required)
- id=<id\_agent> (required)
- other=<serialized parameters> (required). They are agent configuration and data, serialized in the following order:
  - <agent\_alias>
  - <ip>
  - <id\_parent>
  - <id\_group>
  - <cascade\_protection>
  - <cascade\_protection\_module>
  - <interval\_sec>
  - <id\_os>
  - <name\_server>
  - <custom\_id>
  - <learning\_mode>
  - <disabled>
  - <description>

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?id=5&op=set&op2=update_agent&other=agente_nombre%7C1.1.1.1%7C0%7C4%7C0%7C0%7C30%7C8%7Clocalhost.localdomain%7C%7C0%7C0%7Ccla%20descripcion&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set update\_agent\_field

This call updates the field(s) of one or more Agents (the latter if it uses aliases and there are several matching ones).

Call syntax:

- op=set (required)
- op2=update\_agent (required)
- id=<id\_agent> or <alias> (required), <alias> depends of id2 parameter.
- id2= <0> if is<id\_agente> (opcional), <1> if is <alias> (required).
- other=<serialized parameters> (required). They are agent configuration and data, serialized in the following order:
  - <agent\_alias>
  - <ip>
  - <id\_parent>
  - <id\_group>
  - <cascade\_protection>
  - <cascade\_protection\_module>
  - <interval\_sec>
  - <id\_os>
  - <name\_server>
  - <custom\_id>
  - <learning\_mode>
  - <disabled>
  - <description>

## Examples

In case of using the Agent's identifier:

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_agent_field&id=1&other=id_os,1|alias,pandora|direccion,192.168.10.16|id_parent,1|cascade_protection,1|cascade_protection_module,1|intervalo,5||modo|3|&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

In case of using aliases, it modifies all the agents that contain that alias:

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_agent_field&id=pandora&id2=1&other=id_os,1|alias,pandora|direccion,192.168.10.16|id_p
```



```
arent,1cascade_protection,1|cascade_protection_module,1|intervalo,5||modo|3|&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### Set delete\_agent

It deletes an agent that has the name as parameter.

Call syntax:

- op=set (required)
- op2=delete\_agent (required)
- id=<name\_agent> (required). It should be an agent name.
- other (optional)=<use\_agent\_alias> (Values 0 and 1 supported)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_agent&id=agente_erroneo&apipass=1234&user=admin&pass=pandora
```

### set create\_module\_template

It creates an alert from a template as id parameter, in a module chosen by the module id agent id in other.

Call syntax:

- op=set (required)
- op2=create\_module\_template (required)
- id=<id\_template> (required). It should be a template id.
- other=<id\_module>|<id\_agent>

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_module_template&id=1&other=1|10&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set apply\_module\_template

It applies module template to agent.

Module template is an group which contains network check modules. These templates can be applied directly to agents, avoiding adding modules one by one.

Call Syntax:

- op=set (required)
- op2=apply\_module\_template (required)

- `id<id_template>` (required). Id of the template that will be applied on the module.
- `id2<id_agente>` (required). Id of the agent in which the modules will be created.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=apply_module_template&id=2&id2=2&apikey=1234&user=admin&pass=pandora
```

### set create\_network\_module

It creates a network module from data as parameters.

Call syntax:

- `op=set` (required)
- `op2=create_network_module` (required)
- `id=<agent_name>` (required). It should be an agent name.
- `other=<serialized parameters>` (required). They are module configuration and data, serialized in the following order:
  - `<name_module>`
  - `<disabled>`
  - `<id_module_type>`
  - `<id_module_group>`
  - `<min_warning>`
  - `<max_warning>`
  - `<str_warning>`
  - `<min_critical>`
  - `<max_critical>`
  - `<str_critical>`
  - `<ff_threshold>`
  - `<history_data>`
  - `<ip_target>`
  - `<tcp_port>`
  - `<snmp_community>`
  - `<snmp_oid>`
  - `<module_interval>`
  - `<post_process>`
  - `<min>`
  - `<max>`
  - `<custom_id>`
  - `<description>`
  - `<enable_unknown_events>` (only in version 5 or later)
  - `<module_macros>` (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "`<macro name>`": "`<macro value>`".
  - `<each_ff>` (only in version 5.1 or later)
  - `<ff_threshold_normal>` (only in version 5.1 or later)
  - `<ff_threshold_warning>` (only in version 5.1 or later)
  - `<ff_threshold_critical>` (only in version 5.1 or later)

- <critical\_inverse> (only in version 6.0SP1 or later)
- <warning\_inverse> (only in version 6.0SP1 or later)
- <ff\_type> (only in version 733 or later)
- <use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_network_module&id=pepito&other=prueba|0|7|1|10|15|0|16|18|0|15|0|127.0.0.1|0||0|180|0|0|0|0|latency%20ping&other_mode=url_encode_separator_1&apipass=1234&user=admin&pass=pandora
```

### set create\_plugin\_module

It creates a module plugin with data as parameters.

Call Syntax:

- op=set (required)
- op2=create\_plugin\_module (required)
- id=<agent\_name> (required). It should be an agent name.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <name\_module>
  - <disabled>
  - <id\_module\_type>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <ip\_target>
  - <tcp\_port>
  - <snmp\_community>
  - <snmp\_oid>
  - <module\_interval>
  - <post\_process>
  - <min\_value>
  - <max\_value>
  - <custom\_id>
  - <description>
  - <id\_plugin>
  - <plugin\_user>
  - <plugin\_pass>
  - <plugin\_parameter>
  - <enable\_unknown\_events> (only in version 5 or later)

- `<macros>` (only in version 5 or later). It should be a base64 encoded JSON document. The content should be an object made up by objects with the following properties:
  - `"macro"`: Macro name. It should be `_field1_, _field2_, ..., _fieldN_`.
  - `"desc"`: Descriptive macro name.
  - `"help"`: Macro description.
  - `"value"`: Macro value.
  - `"hide"`: Set to `"1"` to hide the macro value (useful for storing passwords).
- `<use_agent_alias>` (Values 0 and 1 supported)

## Example

```
{
  "1": {
    "macro": "_field1_",
    "desc": "Target IP",
    "help": "",
    "value": "192.168.0.1",
    "hide": ""
  },
  "2": {
    "macro": "_field2_",
    "desc": "Port",
    "help": "",
    "value": "80",
    "hide": ""
  }
}
```

- `<module_macros>` (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be `"<macro name>": "<macro value>"`.
- `<each_ff>` (only in version 5.1 or later)
- `<ff_threshold_normal>` (only in version 5.1 or later)
- `<ff_threshold_warning>` (only in version 5.1 or later)
- `<ff_threshold_critical>` (only in version 5.1 or later)
- `<critical_inverse>` (only in version 6.0SP1 or later)
- `<warning_inverse>` (only in version 6.0SP1 or later)
- `<ff_type>` (only in version 733 or later)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_plugin_module&id=pepito&other=prueba|0|1|2|0|0||0|0||0|0|127.0.0.1|0||0|300|0|0|0|0|pplugin%20module%20from%20api|2|admin|pass|-p%20max&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

### set create\_data\_module

It creates a module with the given parameters.



With this call, you may add database module data but the configuration file of the agents associated to the module cannot be modified.

Call Syntax:

- op=set (required)
- op2=create\_data\_module (required)
- id=<agent\_name> (required). It should be an agent name.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <name\_module>
  - <disabled>
  - <id\_module\_type>
  - <description>
  - <id\_module\_group>
  - <min\_value>
  - <max\_value>
  - <post\_process>
  - <module\_interval>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <history\_data>
  - <enable\_unknown\_events> (only in version 5 or later)
  - <module\_macros> (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "<macro name>": "<macro value>".
  - <ff\_threshold> (only in version 5.1 or later)
  - <each\_ff> (only in version 5.1 or later)
  - <ff\_threshold\_normal> (only in version 5.1 or later)
  - <ff\_threshold\_warning> (only in version 5.1 or later)
  - <ff\_threshold\_critical> (only in version 5.1 or later)
  - <ff\_timeout> (only in version 5.1 or later)
  - <critical\_inverse> (only in version 6.0SP1 or later)
  - <warning\_inverse> (only in version 6.0SP1 or later)
  - <ff\_type> (only in version 733 or later)
  - <use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_data_module&id=pepito&other=prueba|0|1|data%20module%20from%20api|1|10|20|10.50|180|1
```

```
0|15||16|20||0&other_mode=url_encode_separator_|&apipass=1234&user=admin&pas  
s=pandora
```

## set create\_SNMP\_module

It creates an SNMP module.

Call Syntax:

- op=set (required)
- op2=create\_snmp\_module (required)
- id=<agent\_name> (required). It should be an agent name.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <name\_module>
  - <disabled>
  - <id\_module\_type>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <ip\_target>
  - <module\_port>
  - <snmp\_version>
  - <snmp\_community>
  - <snmp\_oid>
  - <module\_interval>
  - <post\_process>
  - <min\_value>
  - <max\_value>
  - <custom\_id>
  - <description>
  - <snmp3\_priv\_method [AES|DES]>
  - <snmp3\_priv\_pass>
  - <snmp3\_sec\_level [authNoPriv|authPriv|noAuthNoPriv]>
  - <snmp3\_auth\_method [MD5|SHA]>
  - <snmp3\_auth\_user>
  - <snmp3\_auth\_pass>
  - <enable\_unknown\_events> (only in version 5 or later)
  - <each\_ff> (only in version 5.1 or later)
  - <ff\_threshold\_normal> (only in version 5.1 or later)
  - <ff\_threshold\_warning> (only in version 5.1 or later)
  - <ff\_threshold\_critical> (only in version 5.1 or later)
  - <ff\_type> (only in version 733 or later)

- <use\_agent\_alias> (Values 0 and 1 supported)

## Examples

Example 1 (snmp v: 3, snmp3\_priv\_method: AES, snmp3\_priv\_pass: example\_priv\_passw, snmp3\_sec\_level: authNoPriv, snmp3\_auth\_method:MD5, snmp3\_auth\_user: pepito\_user, snmp3\_auth\_pass: example\_priv\_passw)

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_snmp_module&id=pepito&other=prueba|0|15|1|10|15||16|18||15|0|127.0.0.1|60|3|public|.1.3.6.1.2.1.1.1.0|180|0|0|0|0|SNMP%20module%20from%20API|AES|example_priv_passw|authNoPriv|MD5|pepito_user|example_auth_passw&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

Example 2 (snmp v: 1)

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_snmp_module&id=pepito1&other=prueba2|0|15|1|10|15||16|18||15|0|127.0.0.1|60|1|public|.1.3.6.1.2.1.1.1.0|180|0|0|0|0|SNMP module from API&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

## set update\_network\_module

It updates the network module.

Call syntax:

- op=set (required)
- op2=update\_network\_module (required)
- id=<module\_id> (required). It should be a module id.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <id\_agent>
  - <disabled>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <ip\_target>
  - <module\_port>
  - <snmp\_community>
  - <snmp\_oid>
  - <module\_interval>
  - <post\_process>
  - <min>

- <max>
- <custom\_id>
- <description>
- <disabled\_types\_event> (only in version 5 or later)
- <module\_macros> (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be “<macro name>”: “<macro value>”.
- <each\_ff> (only in version 5.1 or later)
- <ff\_threshold\_normal> (only in version 5.1 or later)
- <ff\_threshold\_warning> (only in version 5.1 or later)
- <ff\_threshold\_critical> (only in version 5.1 or later)
- <critical\_inverse> (only in version 6.0SP1 or later)
- <warning\_inverse> (only in version 6.0SP1 or later)
- <ff\_type> (only in version 733 or later)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_network_module&id=3431&other=44|0|2|10|15||16|18||7|0|127.0.0.1|0||0|300|30.00|0|0|0|latency%20ping%20modified%20by%20the%20Api&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

### set update\_plugin\_module

It updates the plugin module.

Call Syntax:

- op=set (required)
- op2=update\_plugin\_module (required)
- id=<module\_id> (required). It should be a module id.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <id\_agent>
  - <disabled>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <ip\_target>
  - <module\_port>
  - <snmp\_community>
  - <snmp\_oid>
  - <module\_interval>



- <post\_process>
- <min\_value>
- <max\_value>
- <custom\_id>
- <description>
- <id\_plugin>
- <plugin\_user>
- <plugin\_pass>
- <plugin\_parameter>
- <disabled\_types\_event> (only in version 5 or later)
- <macros> (only in version 5 or later). It should be a base64 encoded JSON document. The content should be an object made up by objects with the following properties:
  - "macro": Macro name. Should be *\_field1\_*, *\_field2\_*, ..., *\_fieldN\_*.
  - "desc": Descriptive name of the macro.
  - "help": Macro description.
  - "value": Macro value.

### Example

```
{
  "1": {
    "macro": "_field1_",
    "desc": "Target IP",
    "help": "",
    "value": "192.168.0.1"
  },
  "2": {
    "macro": "_field2_",
    "desc": "Port",
    "help": "",
    "value": "80"
  }
}
```

- <module\_macros> (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "<macro name>": "<macro value>".
- <each\_ff> (only in version 5.1 or later)
- <ff\_threshold\_normal> (only in version 5.1 or later)
- <ff\_threshold\_warning> (only in version 5.1 or later)
- <ff\_threshold\_critical> (only in version 5.1 or later)
- <critical\_inverse> (only in version 6.0SP1 or later)
- <warning\_inverse> (only in version 6.0SP1 or later)
- <ff\_type> (only in version 733 or later)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_plugin_module&id=2343&other=44|0|2|0|0||0|0||0|0|127.0.0.1|0||0|300|0|0|0|0|plugin%20module%20from%20api|2|admin|pass|-p%20max&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pando
```

## set update\_data\_module



With this call, a database module data can be added but the configuration file of the agents associated to the module cannot be modified.

It updates the local module.

Call Syntax:

- op=set (required)
- op2=update\_data\_module (required)
- id=<module\_id> (required). It should be the module id to be updated.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <id\_agent>
  - <disabled>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <ip\_target>
  - <module\_port>
  - <snmp\_community>
  - <snmp\_oid>
  - <module\_interval>
  - <post\_process>
  - <min\_value>
  - <max\_value>
  - <custom\_id>
  - <description>
  - <disabled\_types\_event> (only in version 5 or later)
  - <module\_macros> (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "<macro name>": "<macro value>".
  - <ff\_threshold> (only in version 5.1 or later)
  - <each\_ff> (only in version 5.1 or later)
  - <ff\_threshold\_normal> (only in version 5.1 or later)
  - <ff\_threshold\_warning> (only in version 5.1 or later)

- <ff\_threshold\_critical> (only in version 5.1 or later)
- <ff\_timeout> (only in version 5.1 or later)
- <critical\_inverse> (only in version 6.0SP1 or later)
- <warning\_inverse> (only in version 6.0SP1 or later)
- <ff\_type> (only in version 733 or later)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_data_module&id=23234&other=44|0|data%20module%20modified%20from%20API|6|0|0|50.00|300|10|15||16|18||0&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

### set update\_data\_module\_policy

It updates a data module in a policy and returns an id from the new module.

Call Syntax:

- op=set (required)
- op2=update\_data\_module (required)
- id=<id\_agent\_module> (required). Id of the target policy module.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <id\_policy\_module>
  - <description>
  - <id\_module\_group>
  - <min>
  - <max>
  - <post\_process>
  - <module\_interval>
  - <min\_warning>
  - <max\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <history\_data>
  - <configuration\_data>
  - <disabled\_types\_event> (only in version 5 or later)
  - <module\_macros> (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "<macro name>": "<macro value>".

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_data_module_policy&id=1&other=10~data%20module%20updated%20by%20Api~2~0~0~50.00~10~20~180~~21~35~~1~module_begin%0dmodule_name%20pandora_process%0dmodule_type%20generic_data%0dmodule_exec%20ps%20aux%20|%20grep%20pandora%20|%20wc%20~l%0dmodule_end&other_mode=url_encode_separator_
```

## set update SNMP module

It updates an SNMP module.

Call Syntax:

- op=set (required)
- op2=update\_snmp\_module (required)
- id=<module\_id> (required). It should be a module id.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <id\_agent>
  - <disabled>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <ip\_target>
  - <module\_port>
  - <snmp\_version>
  - <snmp\_community>
  - <snmp\_oid>
  - <module\_interval>
  - <post\_process>
  - <min\_value>
  - <max\_value>
  - <custom\_id>
  - <description>
  - <snmp3\_priv\_method [AES|DES]>
  - <snmp3\_priv\_pass>
  - <snmp3\_sec\_level [authNoPriv|authPriv|noAuthNoPriv]>
  - <snmp3\_auth\_method [MD5|SHA]>
  - <snmp3\_auth\_user>
  - <snmp3\_auth\_pass>
  - <disabled\_types\_event> (only in version 5 or later)
  - <each\_ff> (only in version 5.1 or later)
  - <ff\_threshold\_normal> (only in version 5.1 or later)
  - <ff\_threshold\_warning> (only in version 5.1 or later)
  - <ff\_threshold\_critical> (only in version 5.1 or later)
  - <ff\_type> (only in version 733 or later)

## Examples

Example (snmp v: 3, snmp3\_priv\_method: AES, snmp3\_priv\_pass: example\_priv\_passw, snmp3\_sec\_level: authNoPriv, snmp3\_auth\_method:MD5, snmp3\_auth\_user: pepito\_user,

snmp3\_auth\_pass: example\_priv\_passw)

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_snmp_module&id=33432&other=44|0|6|20|25||26|30||15|1|127.0.0.1|60|3|public|.1.3.6.1.2.1.1.1.0|180|50.00|10|60|0|SNMP%20module%20modified%20by%20API|AES|example_priv_passw|authNoPriv|MD5|pepito_user|example_auth_passw&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

### set apply\_policy

It applies the policy, once it has gone through id, in one or several agents.

Call syntax:

- op=set (required)
- op2=apply\_policy (required)
- id=<id\_policy> (required)
- id2=<id\_agent> (optional). Id or name of the agent as indicated in the other parameter. If it is empty, the policy will be applied to all its agents.
- other=<serialized parameters>
  - <name\_agent (Integer)>. It indicates whether the agent will be sent by Id (0), by name (1) or by alias (2).
  - <server\_id> (required when using Metaconsole). Id of the server in which the policy will be applied.

### Examples

```
http://192.168.70.102/pandora_console/include/api.php?op=set&op2=apply_policy&id=22&id2=3e&other=0|1&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

### set apply\_all\_policies

It applies all policies within Pandora FMS.

Call syntax:

- op=set (required)
- op2=apply\_all\_policies (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=apply_all_policies&apipass=1234&user=admin&pass=pandora
```

### set add\_network\_module\_policy

It adds a network module in the policy after it has gone through id in the parameter.

Call syntax:

- op=set (required)
- op2=add\_network\_module\_policy (required)
- id=<id\_policy> (required). It should be a policy Id.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <id\_module\_type>
  - <description>
  - <id\_module\_group>
  - <min\_value>
  - <max\_value>
  - <post\_process>
  - <module\_interval>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <history\_data>
  - <ff\_threshold>
  - <disabled>
  - <module\_port>
  - <snmp\_community>
  - <snmp\_oid>
  - <custom\_id>
  - <enable\_unknown\_events> (only in version 5 or later)
  - <module\_macros> (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "<macro name>": "<macro value>".
  - <each\_ff> (only in version 5.1 or later)
  - <ff\_threshold\_normal> (only in version 5.1 or later)
  - <ff\_threshold\_warning> (only in version 5.1 or later)
  - <ff\_threshold\_critical> (only in version 5.1 or later)
  - <ff\_type> (only in version 733 or later)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_network_module_policy&id=1&other=network_module_policy_example_name|6|network%20module%20created%20by%20Api|2|0|0|50.00|180|10|20||21|35||1|15|0|66|||0&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

## set add\_plugin\_module\_policy

It adds a plugin module in the policy that has gone through id in the parameter.

## Call syntax:

- op=set (required)
- op2=add\_plugin\_module\_policy (required)
- id=<id\_policy> (required). It should be a policy Id.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <name\_module>
  - <disabled>
  - <id\_module\_type>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <module\_port>
  - <snmp\_community>
  - <snmp\_oid>
  - <module\_interval>
  - <post\_process>
  - <min\_value>
  - <max\_value>
  - <custom\_id>
  - <description>
  - <id\_plugin>
  - <plugin\_user>
  - <plugin\_pass>
  - <plugin\_parameter>
  - <enable\_unknown\_events> (only in version 5)
  - <macros> (only in version 5 or later). It should be a base64 encoded JSON document. The content should be an object made up by objects with the following properties:
    - "macro": Macro name. It should be *\_field1\_, \_field2\_, ..., \_fieldN\_*.
    - "desc": Descriptive macro name.
    - "help": Macro description.
    - "value": Macro value.

## Example

```
{
  "1": {
    "macro": "_field1_",
    "desc": "Target IP",
    "help": "",
    "value": "192.168.0.1"
  },
  "2": {
    "macro": "_field2_",
```

```
"desc": "Port",  
"help": "",  
"value": "80"  
}  
}
```

- `<module_macros>` (only in version 5 or later). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "`<macro name>`": "`<macro value>`".
- `<each_ff>` (only in version 5.1 or later)
- `<ff_threshold_normal>` (only in version 5.1 or later)
- `<ff_threshold_warning>` (only in version 5.1 or later)
- `<ff_threshold_critical>` (only in version 5.1 or later)
- `<ff_type>` (only in version 733 or later)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_plugin_module_policy&id=1&other=example%20plugin%20module%20name|0|1|2|0|0||0|0||15|0|66|||300|50.00|0|0|0|plugin%20module%20from%20api|2|admin|pass|-p%20max&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

### set add\_data\_module\_policy

It adds a local module in the policy which has gone through id in the parameter.

Call syntax:

- `op=set` (required)
- `op2=add_data_module_policy` (required)
- `id=<id_policy>` (required). It should be a policy Id.
- `other=<serialized parameters>` (required). They are module configuration and data, serialized in the following order:
  - `<name_module>`
  - `<id_module_type>`
  - `<description>`
  - `<id_module_group>`
  - `<min_value>`
  - `<max_value>`
  - `<post_process>`
  - `<module_interval>`
  - `<min_warning>`
  - `<max_warning>`
  - `<str_warning>`
  - `<min_critical>`
  - `<max_critical>`
  - `<str_critical>`
  - `<history_data>`



- <configuration\_data>. This is the definition block of the agent that will be entered in the config file of the policy agent.
- <enable\_unknown\_events> (only in version 5 or later)
- <module\_macros> (only in version 5). It should be a base64 encoded JSON document made up by an object with one property for each macro. The format of the JSON properties should be "<macro name>": "<macro value>".
- <ff\_threshold> (only in version 5.1 )
- <each\_ff> (only in version 5.1)
- <ff\_threshold\_normal> (only in version 5.1)
- <ff\_threshold\_warning> (only in version 5.1)
- <ff\_threshold\_critical> (only in version 5.1)
- <ff\_timeout> (only in version 5.1)
- <ff\_type> (only in version 734)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_data_module_policy&id=1&other=data_module_policy_example_name~2~data%20module%20created%20by%20Api~2~0~0~50.00~10~20~180~~21~35~~1~module_begin%0dmodule_name%20pandora_process%0dmodule_type%20generic_data%0dmodule_exec%20ps%20aux%20|%20grep%20pandora%20|%20wc%20-l%0dmodule_end&other_mode=url_encode_separator_~&apipass=1234&user=admin&pass=pandora
```

### set add\_SNMP\_module\_policy

It adds a SNMP module in the policy which has gone through id in the parameter.

Call syntax:

- op=set (required)
- op2=add\_snmp\_module\_policy (required)
- id=<id\_policy> (required). It should be a policy Id.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <name\_module>
  - <disabled>
  - <id\_module\_type>
  - <id\_module\_group>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <history\_data>
  - <module\_port>
  - <snmp\_version>
  - <snmp\_community>

- <snmp\_oid>
- <module\_interval>
- <post\_process>
- <min\_value>
- <max\_value>
- <custom\_id>
- <description>
- <snmp3\_priv\_method [AES|DES]>
- <snmp3\_priv\_pass>
- <snmp3\_sec\_level [authNoPriv|authPriv|noAuthNoPriv]>
- <snmp3\_auth\_method [MD5|SHA]>
- <snmp3\_auth\_user>
- <snmp3\_auth\_pass>
- <enable\_unknown\_events> (only in version 5 or later)
- <each\_ff> (only in version 5.1)
- <ff\_threshold\_normal> (only in version 5.1)
- <ff\_threshold\_warning> (only in version 5.1)
- <ff\_threshold\_critical> (only in version 5.1)
- <ff\_type> (only in version 734)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_snmp_module_policy&id=1&other=example%20SNMP%20module%20name|0|15|2|0|0||0|0||15|1|66|3|public|.1.3.6.1.2.1.1.1.0|180|50.00|10|60|0|SNMP%20module%20modified%20by%20API|AES|example_priv_passw|authNoPriv|MD5|pepito_user|example_auth_passw&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

### set add\_agent\_policy\_by\_id

It adds an agent to a policy using the agent ID

Call syntax:

- op=set (required)
- op2=add\_agent\_policy\_by\_id (mandatory)
- id=<id\_policy> (required). It must be a policy Id.
- other=<serialized parameters> (required). These are agent configuration and data, serialized in the following order:
  - <id\_agent>
  - <id\_node> (required when using the Metaconsole). ID of the node the agent you wish to add to the policy belongs to.

## Examples

- Node:

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_agent_policy_by_id&id=2&other=1&other_mode=url_encode_separator_%7C&apipass=1234&user=ad
```

```
min&pass=pandora
```

- Metaconsole:

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_agent_policy_by_id&id=2&other=1%7C1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set add\_agent\_policy\_by\_name

It adds an agent to a policy using the agent name.

Call syntax:

- op=set (required)
- op2=add\_agent\_policy\_by\_name (required)
- id=<id\_policy> (required). It must be a policy Id.
- other=<serialized parameters> (required). These are agent configuration and data, serialized in the following order:
  - <agent\_name>

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_agent_policy_by_name&id=4&other=e76774025b24057cc71df514f27027c43484c3af766ed40f259a86a4fd568f9d&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set remove\_agent\_from\_policy\_by\_id

It deletes an agent from a policy using the agent ID.

Call syntax:

- op=set (required)
- op2=remove\_agent\_from\_policy\_by\_id (required)
- id=<id\_policy> (required). It must be a policy Id.
- other=<serialized parameters> (required). These are the agent's configuration and data, serialized in the following order:
  - <id\_agent>
  - <id\_node> (required when using the Metaconsole). ID of the node the agent you wish to remove from the policy belongs to.

### Examples

- Node:

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=remove_agent_from_policy_by_id&id=2&other=2&other_mode=url_encode_separator_%7C&apipass=1234
```

`&user=admin&pass=pandora`

- Metaconsole:

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=remove_agent_from_policy_by_id&id=4&other=1%7C1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### **set remove\_agent\_from\_policy\_by\_name**

It deletes an agent from a policy using the agent name.

Call syntax:

- `op=set` (required)
- `op2=remove_agent_from_policy_by_name` (required)
- `id=<id_policy>` (required). It must be a policy Id.
- `other=<serialized parameters>` (required). These are the agent's configuration and data, serialized in the following order:
  - `<agent_name>`

### **Examples**

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=remove_agent_from_policy_by_name&id=4&other=e76774025b24057cc71df514f27027c43484c3af766ed40f259a86a4fd568f9d&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### **set new\_network\_component**

It creates a new network component.

Call syntax:

- `op=set` (required)
- `op2=new_network_component` (required)
- `id=<network_component_name>` (required). It should be the network component name.
- `other=<serialized parameters>` (required). They are agent configuration and data of the network component, serialized in the following order:
  - `<network_component_type>`
  - `<description>`
  - `<module_interval>`
  - `<max_value>`
  - `<min_value>`
  - `<snmp_community>`
  - `<id_module_group>`
  - `<max_timeout>`
  - `<history_data>`

- <min\_warning>
- <max\_warning>
- <str\_warning>
- <min\_critical>
- <max\_critical>
- <str\_critical>
- <ff\_threshold>
- <post\_process>
- <network\_component\_group>
- <enable\_unknown\_events> (only in version 5)
- <each\_ff> (only in version 5.1)
- <ff\_threshold\_normal> (only in version 5.1)
- <ff\_threshold\_warning> (only in version 5.1)
- <ff\_threshold\_critical> (only in version 5.1)
- <ff\_type> (only in version 734)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_network_component&id=example_network_component_name&other=7|network%20component%20create%20by%20Api|300|30|10|public|3||1|10|20|str|21|30|str1|10|50.00|12&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set\_new\_plugin\_component

It creates a new plugin component.

Call syntax:

- op=set (required)
- op2=new\_plugin\_component (required)
- id=<plugin\_component\_name> (required). It should be the plugin component name.
- other=<serialized parameters> (required). They are agent configuration and data of the plugin component, serialized in the following order:
  - <plugin\_component\_type>
  - <description>
  - <module\_interval>
  - <max\_value>
  - <min\_value>
  - <module\_port>
  - <id\_module\_group>
  - <id\_plugin>
  - <max\_timeout>
  - <history\_data>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>

- <ff\_threshold>
- <post\_process>
- <plugin\_component\_group>
- <enable\_unknown\_events> (only in version 5)
- <each\_ff> (only in version 5.1)
- <ff\_threshold\_normal> (only in version 5.1)
- <ff\_threshold\_warning> (only in version 5.1)
- <ff\_threshold\_critical> (only in version 5.1)
- <ff\_type> (only in version 734)

## Examples

[http://127.0.0.1/pandora\\_console/include/api.php?op=set&op2=new\\_plugin\\_component&id=example\\_plugin\\_component\\_name&other=2|plugin%20component%20created%20by%20Api|300|30|10|66|3|2|example\\_user|example\\_pass|-p%20max||1|10|20|str|21|30|str1|10|50.00|12&other\\_mode=url\\_encode\\_separator\\_|&apipass=1234&user=admin&pass=pandora](http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_plugin_component&id=example_plugin_component_name&other=2|plugin%20component%20created%20by%20Api|300|30|10|66|3|2|example_user|example_pass|-p%20max||1|10|20|str|21|30|str1|10|50.00|12&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora)

### set new\_snmp\_component

It creates a new SNMP component.

Call syntax:

- op=set (required)
- op2=new\_snmp\_component (required)
- id=<snmp\_component\_name> (required). It should be the SNMP component name.
- other=<serialized parameters> (required). These are the configuration and data of the snmp component, serialized in the following order:
  - <snmp\_component\_type>
  - <description>
  - <module\_interval>
  - <max\_value>
  - <min\_value>
  - <id\_module\_group>
  - <max\_timeout>
  - <history\_data>
  - <min\_warning>
  - <max\_warning>
  - <str\_warning>
  - <min\_critical>
  - <max\_critical>
  - <str\_critical>
  - <ff\_threshold>
  - <post\_process>
  - <snmp\_version>
  - <snmp\_oid>
  - <snmp\_community>
  - <snmp3\_auth\_user>

- <snmp3\_auth\_pass>
- <module\_port>
- <snmp3\_privacy\_method>
- <snmp3\_privacy\_pass>
- <snmp3\_auth\_method>
- <snmp3\_security\_level>
- <snmp\_component\_group>
- <enable\_unknown\_events> (only in version 5)
- <each\_ff> (only in version 5.1)
- <ff\_threshold\_normal> (only in version 5.1)
- <ff\_threshold\_warning> (only in version 5.1)
- <ff\_threshold\_critical> (only in version 5.1)
- <ff\_type> (only in version 734)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_snmp_compone
nt&id=example_snmp_component_name&other=16|SNMP%20component%20created%20by%2
0Api|300|30|10|3||1|10|20|str|21|30|str1|15|50.00|3|.1.3.6.1.2.1.2.2.1.8.2|p
ublic|example_auth_user|example_auth_pass|66|AES|example_priv_pass|MD5|authN
oPriv|12&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pand
ora
```

## set new\_local\_component

It creates a new local component.

Call syntax:

- op=set (required)
- op2=new\_local\_component (required)
- id=<local\_component\_name> (required). It should be a local component name.
- other=<serialized parameters> (required). They are configuration and data of the local component, serialized in the following order:
  - <description>
  - <id\_os>
  - <local\_component\_group>
  - <configuration\_data>. This is the module configuration block.
  - <enable\_unknown\_events> (only in version 5)
  - <ff\_threshold> (only in version 5.1)
  - <each\_ff> (only in version 5.1)
  - <ff\_threshold\_normal> (only in version 5.1)
  - <ff\_threshold\_warning> (only in version 5.1)
  - <ff\_threshold\_critical> (only in version 5.1)
  - <ff\_timeout> (only in version 5.1)
  - <ff\_type> (only in version 734)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_local_compon
```

```
ent&id=example_local_component_name&other=local%20component%20created%20by%20Api~5~12~module_begin%0dmodule_name%20example_local_component_name%0dmodule_type%20generic_data%0dmodule_exec%20ps%20|%20grep%20pid%20|%20wc%20-l%0dmodule_interval%202%0dmodule_end&other_mode=url_encode_separator_~&apiass=1234&user=admin&pass=pandora
```

## set create\_alert\_template

It creates an alert template.

Call Syntax:

- op=set (required)
- op2=create\_alert\_template (required)
- id=<template\_name> (required). It is the template name.
- other=<serialized parameters> (required). They are template configuration and data, serialized in the following order:
  - <type  
[regex|max\_min|max|min|equal|not\_equal|warning|critical|onchange|unknown|always|not\_normal]>
  - <description>
  - <id\_alert\_action>
  - <field1>
  - <field2>
  - <field3>
  - <value>
  - <matches\_value>
  - <max\_value>
  - <min\_value>
  - <time\_threshold>
  - <max\_alerts>
  - <min\_alerts>
  - <time\_from>
  - <time\_to>
  - <monday>
  - <tuesday>
  - <>wednesday>
  - <thursday>
  - <friday>
  - <saturday>
  - <sunday>
  - <recovery\_notify>
  - <field2\_recovery>
  - <field3\_recovery>
  - <priority>
  - <id\_group>
  - <special\_day>
  - <min\_alerts\_reset\_counter>
  - <field1\_recovery>



- <field4>
- <field5>
- <field6>
- <field7>
- <field8>
- <field9>
- <field10>
- <field11>
- <field12>
- <field13>
- <field14>
- <field15>
- <field4\_recovery>
- <field5\_recovery>
- <field6\_recovery>
- <field7\_recovery>
- <field8\_recovery>
- <field9\_recovery>
- <field10\_recovery>
- <field11\_recovery>
- <field12\_recovery>
- <field13\_recovery>
- <field14\_recovery>
- <field15\_recovery>

### Examples

Example 1 (condition: regexp =~ /pp/, action: Mail to XXX, max\_alert: 10, min\_alert: 0, priority: WARNING, group: databases):

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_alert_template&id=example&other=regex|template%20based%20in%20regexp|1||||pp|1||||10|0|||||||3|8&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

Example 2 (condition: value is not between 5 and 10, max\_value: 10.00, min\_value: 5.00, time\_from: 00:00:00, time\_to: 15:00:00, priority: CRITICAL, group: Servers):

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_alert_template&id=template_min_max&other=max_min|template%20based%20in%20range|1|||||10|5||||00:00:00|15:00:00|||||||4|2&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set update\_alert\_template

It updates the template alert.

Call Syntax:

- op=set (required)

- op2=update\_alert\_template (required)
- id=<id\_template> (required). It should be a template id.
- other=<serialized parameters> (required). They are template configuration and data, serialized in the following order:
  - <template\_name>
  - <type [regex|max\_min|max|min|equal|not\_equal|warning|critical|onchange|unknown|always]>
  - <description>
  - <id\_alert\_action>
  - <field1>
  - <field2>
  - <field3>
  - <value>
  - <matches\_value>
  - <max\_value>
  - <min\_value>
  - <time\_threshold>
  - <max\_alerts>
  - <min\_alerts>
  - <time\_from>
  - <time\_to>
  - <monday>
  - <tuesday>
  - <wednesday>
  - <thursday>
  - <friday>
  - <saturday>
  - <sunday>
  - <recovery\_notify>
  - <field2\_recovery>
  - <field3\_recovery>
  - <priority>
  - <id\_group>
  - <special\_day>
  - <min\_alerts\_reset\_counter>
  - <field1\_recovery>
  - <field4>
  - <field5>
  - <field6>
  - <field7>
  - <field8>
  - <field9>
  - <field10>
  - <field11>
  - <field12>
  - <field13>
  - <field14>
  - <field15>
  - <field4\_recovery>
  - <field5\_recovery>

- <field6\_recovery>
- <field7\_recovery>
- <field8\_recovery>
- <field9\_recovery>
- <field10\_recovery>
- <field11\_recovery>
- <field12\_recovery>
- <field13\_recovery>
- <field14\_recovery>
- <field15\_recovery>

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_alert_template&id=18&other=example_template_with_changed_name|onchange|changing%20from%20min_max%20to%20onchange||||1|||5|1||1|1|0|1|1|0|0|1|field%20recovery%20example%20|field%20recovery%20example%203|1|8&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set delete\_alert\_template

It deletes a alert template and deletes all the alerts it defines.

Call Syntax:

- op=set (required)
- op2=delete\_alert\_template (required)
- id=<id\_template> (required). It should be a template id.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_alert_template&id=38&apipass=1234&user=admin&pass=pandora
```

### set delete\_module\_template

It deletes a module template.

Call Syntax:

- op=set (required)
- op2=delete\_module\_template (required)
- id=<id\_alert\_template\_module> (required). It should be an alert\_template\_module id.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_module_template&id=38&apipass=1234&user=admin&pass=pandora
```

## set delete\_module\_template\_by\_names

It deletes a module template.

Call Syntax:

- op=set (required)
- op2=delete\_module\_template\_by\_names (required)
- id=<agent name> (required)
- id2=<alert template name> (required)
- other=<serialized parameter> (required). They are the following in this order:
  - <module name> (required)
  - <use\_agent\_alias> (Values 0 and 1 supported)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_module_template_by_names&id=sample-agent&id2=test&other=memfree&apipass=1234&user=admin&pass=pandora&other_mode=url_encode_separator_
```

## set stop\_downtime

It stops a downtime.

Call Syntax:

- op=set (required)
- op2=stop\_downtime (required)
- id=<id\_downtime> (required). It should be an id downtime.

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=stop_downtime&id=1&apipass=1234&user=admin&pass=pandora
```

## set new\_user

It creates a new user in Pandora FMS.

Call Syntax:

- op=set (required)
- op2=new\_user (required)
- id=<user\_name> (required). It is a user name.
- other=<serialized parameters> (required). They are user configuration and data, serialized in the following order:

- <fullname>
- <firstname>
- <lastname>
- <middlename>
- <password>
- <email>
- <phone>
- <languages>
- <comments>
- <time\_autorefresh>
- <default\_event\_filter>
- <section>
- <session\_time> (-1 to establish the session as permanent)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_user&id=md&other=miguel|de%20dios|matias|kkk|pandora|md@md.com|666|es|descripcion%20y%20esas%20cosas&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

## Set update\_user

It updates a user selected by the id in the id parameter.

Call Syntax:

- op=set (required)
- op2=update\_user (required)
- id=<user\_name> (required). It should be a user name.
- other=<serialized parameters> (required). They are module configuration and data, serialized in the following order:
  - <fullname>
  - <firstname>
  - <lastname>
  - <middlename>
  - <password>
  - <email>
  - <phone>
  - <languages>
  - <comments>
  - <is\_admin>
  - <block\_size>
  - <flash\_chart>

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_user&id=example_user_name&other=example_fullname||example_lastname||example_new_password|example_email||example_language|example%20comment|1|30|&other_mode=url_enc
```

ode\_separator\_]&apipass=1234&user=admin&pass=pandora

### Set delete\_user

It deletes a selected user.

Call syntax:

- op=set (required)
- op2=delete\_user (required)
- id=<nombre\_usuario> (required). It should be a username.

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_user&id=md&apipass=1234&user=admin&pass=pandora
```

### Set delete\_user\_permissions

This feature is in Metaconsole.

It deletes user permissions.

Call syntax:

- op=set(required)
- Op2=delete\_user\_permission(required)
- Return\_type=csv|json(required)
- Other=id profile(required)

### Example

It deletes user permissions. It can return Json or CSV, this return is remarked through the URL.

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_user_permission&return_type=json&other=2&other_mode=url_encode_separator_]&apipass=1234&user=admin&pass=pandora
```

### Set add\_permission\_user\_group

This feature is in Metaconsole.

It adds permissions to a user group.

Call syntax:

- Op = set(required)
- Op2 = add\_permission\_user\_to\_group(required)
- Return\_type = csv|json(required)
- Other = user id(required)|group\_id(required)|profile id(required)|No hierarchy(Optional)|profile id(Optional)

## Examples

It can return json or CSV, this return is remarked through the URL.



Be careful, no\_hierarchy may be empty. If that is the case, it takes value 0.



Be careful, permission id (id\_up) in the table can be used if an existing permission must be modified.

```
http://localhost/pandora_console/include/api.php?op=set&op2=add_permission_user_to_group&return_type=json&other=admin|0|1|1|20&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set enable\_disable\_user

It enables a disabled user.

Call syntax:

- op=set (required)
- op2=enable\_disable\_user (required)
- id=<user\_name> (required). It should be a username.

## Examples

Example 1 (Disable user 'example\_name')

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=enable_disable_user&id=example_name&other=0&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

Example 2 (Enable user 'example\_name')

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=enable_disable_user&id=example_name&other=1&other_mode=url_encode_separator_|&apipass=1234&u
```

```
ser=admin&pass=pandora
```

## set meta\_synch\_user

This feature is in Metaconsole.

It synchronizes metaconsole users to the node

Call syntax:

- op=set (required)
- op2=meta\_synch\_user (required)
- other=<serialized parameters> (opcional):
  - <user\_name\_1,user\_name\_2,user\_name\_3..> (Usernames separated by comma and without spaces at the beginning or the end, required)
  - <server\_name> (required)
  - <profile\_mode(1-0)> (optional)
  - <group\_name> (optional)
  - <profile\_1,profile\_2,profile\_3> (Profiles separated by comma and without spaces at the beginning or at the end, optional)
  - <create\_groups(1-0)> (optional)

## Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=meta_synch_user&apipass=1234&user=admin&pass=pandora&other=name1,name2|nodo1|0||&other_mode=url_encode_separator_
```

## set create\_group

It creates a group.

Call syntax:

- op=set (required)
- op2=create\_group (required)
- id=<group\_name> (required). It should be a group name.
- other=<serialized\_parameters> (required). They are the following in this order:
  - <icon name>
  - <parent group id> (optional)
  - <description> (optional)
  - <propagate acl> (optional)
  - <disable alerts> (optional)
  - <custom id> (optional)
  - <contact info> (optional)



- <other info> (optional)
- <Maximum number of agents in the group> (required, zero means no limit)
- <Create Agent group with password> (optional)

## Examples

Example 1 (with parent group: Servers)

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_group&id=example_group_name&other=applications|2&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

Example 2 (without parent group)

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_group&id=example_group_name2&other=computer|&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

Example 3 (create a group of agents with password "1234", and with a limit of 3 Agents in the group)

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_group&id=example_group_name&other=applications|2| || || || |3|1234&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

## set update\_group

It updates a group with past data as parameters.

Call syntax:

- op=set (required)
- op2=update\_group (required)
- id=<group\_id> (required). It should be a group id
- other=<serialized\_parameters> (required). They are the following in this order:
  - <group name>
  - <icon name>
  - <parent group id>
  - <description>
  - <propagate acl>
  - <disable alerts>
  - <custom id>
  - <contact info>
  - <other info>

## Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_group&id=example_group_id&other=New%20Name|application|2|new%20description|1|0|custom%20id|&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

## set delete\_group

It deletes a group.

Call syntax:

- op=set (required)
- op2=delete\_group (required)
- id=<group\_id> (required) it should be a group id

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_group&id=303&apipass=1234&user=admin&pass=pandora
```

## Set add\_user\_profile

It adds a profile into user.

Call syntax:

- op=set (required)
- op2=add\_user\_profile (required)
- id=<user\_name> (required). It should be a user name.
- other=<serialized parameters> (required). They are group and profile configuration and data, serialized in the following order:
  - <group>
  - <profile>

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_user_profile&id=md&other=12|4&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

## set delete\_user\_profile

It deletes a profile from a user.

Call syntax:

- op=set (required)
- op2=delete\_user\_profile (required)
- id=<user\_name> (required). It should be a user name.
- other=<serialized parameters> (required). They are the group configuration, data and profile, serialized in the following order:
  - <group>

- <profile>

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_user_profile&id=md&other=12|4&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set new\_incident

It creates a new incident.

Call syntax:

- op=set (required)
- op2=new\_incident (required)
- other=<serialized parameters> (required). They are incident configuration and data, serialized in the following order:
  - <title>
  - <description>
  - <origin>
  - <priority>
  - <status>
  - <group>

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_incident&other=titulo|descripcion%20texto|Logfiles|2|10|12&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### Set new\_note\_incident

It adds a note within an incident.

Call syntax:

- op=set (required)
- op2=new\_note\_incident (required)
- id=<id\_incident> (required). It is the incident id.
- id2=<user\_name> (required). Username.
- other=<note> (required). It is the note codified in url encode.

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_note_incident&id=5&id2=miguel&other=una%20nota%20para%20la%20incidencia&apipass=1234&user=admin&pass=pandora
```

## set validate\_all\_alerts

It validates all alerts.

Call syntax:

- op=set (required)
- op2=validate\_all\_alerts (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=validate_all_alerts&apipass=1234&user=admin&pass=pandora
```

## set validate\_all\_policy\_alerts

It validates the alerts created from a policy.

Call syntax:

- op=set (required)
- op2=validate\_all\_policy\_alerts (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=validate_all_policy_alerts&apipass=1234&user=admin&pass=pandora
```

## set event\_validate\_filter

It validates all events that pass the past filter as parameters.

This feature is in Metaconsole.

Call syntax:

- op=set (required)
- op2=event\_validate\_filter (required)
- other\_mode=url\_encode\_separator\_|(optional)
- other=<serialized\_parameters> (optional). They are the following in this order:
  - <separator>
  - <criticity> From 0 to 4
  - <agent name>
  - <module name>

- <alert template name>
- <user>
- < numeric interval minimum level> en unix timestamp
- < numeric interval maximum level> en unix timestamp
- <use\_agent\_name> (Values 0 and 1 supported)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=event_validate_filter&other_mode=url_encode_separator_1&other=;|2&apipass=1234&user=admin&pass=pandora
```

### set event\_validate\_filter\_pro

It is similar to previous call.

This feature is in Metaconsole.

Call syntax:

- op=set (required))
- op2=event\_validate\_filter\_pro (required)
- other\_mode=url\_encode\_separator\_1 (optional)
- other=<serialized parameters> (optional). They are the following in this order:
  - <separator>
  - <criticity> From 0 to 4
  - <id agent>
  - <id module>
  - <id agent module alert>
  - <user>
  - <numeric interval minimum level> in unix timestamp
  - <numeric interval maximum level> in unix timestamp

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=event_validate_filter_pro&other_mode=url_encode_separator_1&other=;|2&apipass=1234&user=admin&pass=pandora
```

### set validate\_event\_by\_id

Validates an event given its id.

Call syntax:

- op=set (required)

- op2=validate\_event\_by\_id (required)
- id=<event\_id> (required) event id.

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=validate_event_by_id&id=23&apipass=1234&user=admin&pass=pandora
```

### set new\_alert\_template

It applies a new alert from a template and module which has gone through id agent and module name.

Call syntax:

- op=set (ob)
- op2=new\_alert\_template (required)
- id=<agent name> (required)
- id2=<alert template name> (required)
- other\_mode=url\_encode\_separator\_| (optional)
- other=<serialized parameter> (required). They are the following in this order:
  - <module name> (required)
  - <use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_alert_template&id=miguel-portatil&id2=test&other_mode=url_encode_separator_|&other=memfree&apipass=1234&user=admin&pass=pandora
```

### set alert\_actions

It adds actions within an alert.

Call syntax:

- op=set (required)
- op2=alert\_actions (required)
- id=<agent name> (required)
- id2=<alert template name> (required)
- other\_mode=url\_encode\_separator\_| (optional)
- other=<serialized parameters> (required). They are the following in this order:
  - <module name> (required)
  - <action name> (required)
  - <fires min > (optional)
  - <fires max > (optional)
  - <use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=alert_actions&id=miguel-portatil&id2=test&other_mode=url_encode_separator_|&other=memfree|test&apipass=1234&user=admin&pass=pandora
```

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=alert_actions&id=miguel-portatil&id2=test&other_mode=url_encode_separator_|&other=memfree|test|1|3&apipass=1234&user=admin&pass=pandora
```

### set alert\_commands

It adds commands within an alert.

Call syntax:

- op=set (required)
- op2=alert\_commands (required)
- id=<name of the command> (required)
- other\_mode=url\_encode\_separator\_| (optional)
- other=<serialized parameters> (required). They are the following in this order:
  - <command> (required)
  - <id\_group> (required)
  - <description > (required)
  - <internal > (optional)
  - <field\_description\_1><field\_value\_1><field\_description\_2><field\_value\_2>...<field\_description\_n><field\_value\_n>

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=alert_commands&id=PRUEBA1&other=command|0|Desc|1|des1|val1|des2|val2|des3|val3||val4|des5&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set new\_module

It creates a new module.

Call Syntax:

- op=set (required)
- op2=new\_module (required)
- id=<agent\_name> (required)
- id2=<new module name> (required)
- other\_mode=url\_encode\_separator\_| (optional)
- other=<serialized parameters> (required). They are the following in this order:
  - <network module kind > (required)

- <action name> (required)
- <ip o url > (required)
- <port > (optional)
- <description > (optional)
- <min > (optional)
- <max > (optional)
- <post process > (optional)
- <module interval > (optional)
- <min warning > (optional)
- <max warning > (optional)
- <min critical > (optional)
- <max critical > (optional)
- <history data > (optional)
- <enable\_unknown\_events> (only in version 5)
- <use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_module&id=miguel-portatil&id2=juanito&other_mode=url_encode_separator_|&other=remote_tcp_string|localhost|33|descripcion%20larga&apipass=1234&user=admin&pass=pandora
```

### set delete\_module

It deletes a module.

Call syntax:

- op=set (required)
- op2=delete\_module (required)
- id=<agent name> (required)
- id2=<module name> (required)
- Other=simulate (optional)
  - <use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_module&id=miguel-portatil&id2=juanito&other=simulate&apipass=1234&user=admin&pass=pandora&other_mode=url_encode_separator_|
```

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_module&id=miguel-portatil&id2=juanito&apipass=1234&user=admin&pass=pandora&other_mode=url_encode_separator_|
```



### set enable\_alert

It enables an agent alert.

Call syntax

- op=set (required)
- op2=enable\_alert
- id=<Agent name> (required)
- id2=<Module name> (required)
- other:Alert template name (p.e: Warning event) (required)

### Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=enable_alert&id=garfio&id2=Status&other=Warning%20condition&apipass=1234&user=admin&pass=pandora
```

### set enable\_alert\_alias

It enables agent alert by alias.

Call syntax:

- op=set (required)
- op2=enable\_alert\_alias
- id=<Agent alias> (required)
- id2=<Module name> (required)
- other:Alert template name (p.e: Warning event) (required)

### Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=enable_alert_alias&id=nova&id2=CPU%20Load&other=critical%20condition&apipass=1234&user=admin&pass=pandora
```

### set disable\_alert

It disables an agent alert.

Call syntax:

- op=set (required)
- op2=disable\_alert
- id=<Agent name> (required)
- id2=<Module name> (required)
- other:Alert template name (p.e: Warning event) (required)

### Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=disable_alert&id=garfio&id2=Status&other=Warning%20condition&apipass=1234&user=admin&pass=pandora
```

### **set disable\_alert\_alias**

It disables an agent alert.

Call syntax:

- op=set (required)
- op2=disable\_alert\_alias
- id=<Agent alias> (required)
- id2=<Module name> (required)
- other:Alert template name (p.e: Warning event) (required)

### **Examples**

```
http://localhost/pandora_console/include/api.php?op=set&op2=disable_alert_alias&id=nova&id2=CPU%20Load&other=critical%20condition&apipass=1234&user=admin&pass=pandora
```

### **set enable\_module\_alerts**

Same as enable\_alert api call.

Call syntax:

- op=set (required)
- op2=enable\_module\_alerts
- id=<Name of the agent> (required)
- id2=<Name of the module> (required)
- other (optional)=<use\_agent\_alias> (Values 0 and 1 supported)

### **Examples**

```
http://localhost/pandora_console/include/api.php?op=set&op2=enable_module_alerts&id=garfio&id2=Status&apipass=1234&user=admin&pass=pandora
```

### **set disable\_module\_alerts**

Same as api disable\_alert.

Call syntax:

- op=set (required)

- op2=disable\_module\_alerts
- id=<Name of the agent> (required)
- id2=<Name of the module> (required)
- other (optional)=<use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=disable_module_alerts&id=garfio&id2=Status&apipass=1234&user=admin&pass=pandora
```

### set enable\_module

It enables the module.

Call syntax

- op=set (required)
- op2=enable\_module
- id=<Agent name> (required)
- id2=<Module name> (required)
- other (optional)=<use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=enable_module&id=garfio&id2=Status&apipass=1234&user=admin&pass=pandora
```

### set disable\_module

It disables the module.

Call syntax:

- op=set (required)
- op2=disable\_module
- id=<Agent name> (required)
- id2=<Module name> (required)
- other (optional)=<use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=disable_module&id=garfio&id2=Status&apipass=1234&user=admin&pass=pandora
```

### set create\_network\_module\_from\_component

It creates a new network module from a component.

Call syntax:

- op=set (required)
- op2=create\_network\_module\_from\_component (required)
- id=<Agent name> (required)
- id2=<Component name> (required)
- other (optional)=<use\_agent\_alias> (Values 0 and 1 supported)

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_network_module_from_component&id=garfio&id2=05%20Total%20process&apipass=1234&user=admin&pass=pandora
```

### set module\_data

It adds a module value. This function generates an XML with the data that will be sent to the server, which will be the one to update the database.

This API call just controls the XML file generation, displaying in a message the status of that process.

Call syntax:

- op=set (required)
- op2=module\_data (required)
- id=<id module agent> (required)
- other: module data and timestamp serialized.
  - dato: data which must belong to any Pandora FMS data type.
  - tiempo: it could be a specified timestamp of the string "now".

## Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=module_data&id=14&other_mode=url_encode_separator_|&other=123|now&apipass=1234&user=admin&pass=pandora
```



The successful generation of the XML file doesn't guarantee that the data has been stored in the database.

### set new\_module\_group

It creates a new module group.

Call syntax:

- op=set (required)
- op2=new\_module\_group (required)
- id=<name of the module group> (required)

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=new_module_group
&id=Module_group_name&apipass=1234&user=admin&pass=pandora
```

### set module\_group\_synch

This feature is in Metaconsole.

It synchronizes a module group from the Metaconsole.

Call syntax:

- op=set (required)
- op2=module\_group\_synch (required)
- other=<serialized parameters> (required). In this case, the name of the server(s) that are required to sync with the meta.
  - <server\_name\_1><server\_name\_2>...<server\_name\_n> (required)

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=module_group_syn
ch&other=server_name1|server_name2|server_name3&other_mode=url_encode_separa
tor_|&apipass=1234&user=admin&pass=pandora
```

### set add\_module\_in\_conf

= 5.0 (Only Enterprise)

It adds the configuration to a local module.

Call syntax:

- op=set (required)
- op2=add\_module\_in\_conf (required)
- id=<agent id> (required)
- id2=<module name> (required)
- other:The module data that will be placed in the conf file encoded in base64 (required) (required)

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_module_in_co
```

```
nf&apipass=1234&user=admin&pass=pandora&id=9043&id2=example_name&other=bW9kdWxIX2JlZ2luCm1vZHVhZGV9uYW1lIGV4YW1wbGVfbmFtZQptb2R1bGVfdHlwZSBnZW5lcmljX2RhdGEKbW9kdWxIX2V4ZWMgZWNobyAxOwptb2R1bGVfZW5k
```

It will return '0' when it is successful, '-1' when there is an error and '-2' if it already exists.

### set delete\_module\_in\_conf

= 5.0 (Only Enterprise)

It deletes a local module configuration.

Call syntax:

- op=set (required)
- op2=add\_module\_in\_conf (required)
- id=<agent id> (required)
- id2=<module name> (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_module_in_conf&user=admin&pass=pandora&id=9043&id2=example_nameInsert non-formatted text here
```

It will return '0' when it is successful or '-1' when there is an error

### set update\_module\_in\_conf

= 5.0 (Only Enterprise)

It updates a local module configuration.

Call syntax:

- op=set (required)
- op2=update\_module\_in\_conf (required)
- id=<agent id> (required)
- id2=<module name> (required)
- other:The new module data that will be placed in the conf file encoded in base64 (required)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_module_in_conf&apipass=1234&user=admin&pass=pandora&id=9043&id2=example_name&other=bW9kdWxIX2JlZ2luCm1vZHVhZGV9uYW1lIGV4YW1wbGVfbmFtZQptb2R1bGVfdHlwZSBnZW5lcmljX2RhdGEKbW9kdWxIX2V4ZWMgZWNobyAxOwptb2R1bGVfZW5k
```

It will return '1' when there are no changes, '0' when it is successful, '-1' when there is an error and '-2' if does not exist.

### set create\_event

It creates a new event in Pandora FMS.

This feature is in Metaconsole.

Call syntax:

- op=set (required)
- op2=create\_event (required)
- other=<serialized\_parameters> (required). Event configuration data as follows:
  - <event\_text> (required)(string)
  - <id\_group> (required)(string)
  - <id\_agent> (required)(numeric)
  - <status>(0 New, 1 Validated, 2 In process)
  - <id\_user>(numeric)
  - <event\_type>(unknown, alert\_fired, alert\_recovered, alert\_ceased, alert\_manual\_validation, system, error, new\_agent, configuration\_change, going\_unknown, going\_down\_critical, going\_down\_warning, going\_up\_normal)
  - <severity> (0 Maintenance,1 Informative,2 Normal,3 Warning,4 Crit,5 Minor, 6 Major)
  - <id\_agent\_module>(numeric)
  - <id\_alert\_am>(numeric)
  - <critical\_instructions>(string)
  - <warning\_instructions>(string)
  - <unknown\_instructions>(string)
  - <comment>(string)
  - <owner\_user>(string)
  - <source>(string)
  - <tags>(string)
  - <custom\_data>. Custom data should be a base64 encoded JSON document.
  - <server\_id>. The id of the child node (only for Metaconsole).
  - <id\_extra> (alphanumeric)

### Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_event&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora&other=Event_name|0|1|0|admin|alert_fired|4|1|||comment|admin||tags|eyJBbnN3ZXIgdG8gdGhlIFVsdGltYXRlIFF1ZXN0aW9uIG9mIExpZmUsIHRoZSBVbml2ZXJzZSwgYW5kIEV2ZXJ5dGhpbmciOiA0Mn0=||12
```

### set add\_event\_comment

It adds an event comment.



This feature can be also used in the Metaconsole

Call syntax:

- `op=set` (required)
- `op2=add_event_comment` (required)
- `other=<serialized_parameters>` (required). Event configuration data serialized as follows:
  - `<comment>` (required)



Enter the parameter “true” after “string” to use it in the Metaconsole

## Examples

- Node

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_event_comment&id=event_id&other=string&other_mode=url_encode_separator_&apipass=1234&user=admin&pass=pandora
```

- Metaconsole

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_event_comment&id=event_id&other=string|true&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

## set update\_event

Updates events through API.



This feature can be also used in the Metaconsole

Call syntax:

- `op=set` (required)
- `op2=event` (required)
- `id=event_id` (required)
- `other=<serialized_parameters>` (required). Event fields to be updated, formatted as *field,value* and separated by the chosen `url_encode_separator` (e.g. |).



= Available fields =

- **estado**: Numeric identifier of the event status. It can be:
  - 0 (New)
  - 1 (Validated)
  - 2 (In process)
- **evento**: Event name.
- **event\_type**: Event type. It can be:
  - going\_unknown
  - unknown
  - alert\_fired
  - alert\_recovered
  - alert\_ceased
  - alert\_manual\_validation
  - recon\_host\_detected
  - system
  - error
  - new\_agent
  - going\_up\_warning
  - going\_up\_critical
  - going\_down\_warning
  - going\_down\_normal
  - going\_down\_critical
  - going\_up\_normal
  - configuration\_change
- **criticality**: Numeric identifier of the event's criticality. It can be:
  - 0 (Maintenance)
  - 1 (Informational)
  - 2 (Normal)
  - 3 (Minor)
  - 4 (Warning)
  - 5 (Major)
  - 6 (Critical)
  - 20 (Warning o Critical)
  - 21 (Distinto a Normal)
  - 34 (Critical o normal)
- **tags**: Tags associated to the event.
- **source**: Source of the event's data.
- **id\_extra**: When using this feature, older events with the same Extra ID as the new one will be automatically validated.
- **critical\_instructions**: Instructions for operators on the actions to be done when a module goes to Critical status. Only shown in the event if module is on Critical status.
- **warning\_instructions**: Instructions for operators on the actions to be done when a module goes to Warning status. Only shown in the event if module is on Warning status.
- **unknown\_instructions**: Instructions for operators on the actions to be done when a module goes to Unknown status. Only shown in the event if module is on Unknown status.
- **owner\_user**: User assigned to the event.
- **custom\_data**: It allows to add custom information to the event. It must be formatted as a base64 encoded json (e.g. {"field1":"value1","field2":"value2"}). See example below.
- **module\_status**: Numeric identifier for the status of the module that triggered the event. It can be:

- 0 (Normal)
- 1 (Critical)
- 2 (Warning)
- 3 (Unknown)
- 4 (Not init)

## Examples

- Node:

```
http://192.168.80.190/pandora_console/include/api.php?op=set&op2=event&api pass=pandora&user=admin&pass=pandora&id=175&other_mode=url_encode_separator_|&other=estado,2|evento,Updated event|custom_data,eyJmaWVsZDEiOiJ2YWx1ZTEiLCJmaWVsZDIiOiJ2YWx1ZTIifQo=
```

- Metaconsole:

```
http://192.168.80.35/pandora_console/include/api.php?op=set&op2=event&api pass=1234&user=admin&pass=pandora&id=315132&other_mode=url_encode_separator_|&other=estado,0|owner_user,operator|evento,Updated event
```

## set create\_netflow\_filter

(>=5.0)

It creates a new netflow filter.

Call syntax:

- op=set (required)
- op2=create\_netflow\_filter (required)
- other=<serialized parameters> (required). It filters data in this order:
  - <filter\_name> (required)
  - <group\_id> (required)
  - <filter> (required)
  - <aggregate\_by> (Possible values: dstip,dstport,none,proto,srcip,srcport) (required)
  - <output\_format> (Possible values: kilobytes,kilobytespersecond,megabytes,megabytespersecond) (required)

## Examples

```
http://127.0.0.1/pandora/include/api.php?op=set&op2=create_netflow_filter&api pass=1234&user=admin&pass=pandora&other=Filter%20name|9|host%20192.168.50.3%200R%20host%20192.168.50.4%20or%20HOST%20192.168.50.6|dstport|kilobytes&other_mode=url_encode_separator_|
```

## set create\_custom\_field

= 5.0

It creates a new custom field.

Call syntax:

- `op=set` (required)
- `op2=create_custom_field` (required)
- `other=<serialized parameters>` (required). Parameters to configure the custom field.
  - `<name>` (required)
  - `<flag_display_front>` (required; 0 for the field to not be displayed on operation view, 1 for the field to be displayed)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_custom_field&other=mycustomfield|0&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set create\_tag

= 5.0

It creates a new tag.

Call syntax:

- `op=set` (required)
- `op2=create_tag` (required)
- `other=<serialized parameters>` (required). Parameters to configure the tag.
  - `<name>` Tag name (required)
  - `<description>` Tag description
  - `<eurl>` Tag URL
  - `<email>` Tag email

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_tag&other=tag_name|tag_description|tag_url|tag_email&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set enable\_disable\_agent

It enables a disabled agent.

Call syntax:

- `op=set` (required)
- `op2=enable_disable_agent` (required)
- `id=<agent_id>` (required). It should be an agent id.

### Examples

### Example 1 (Disable agent 'example\_id')

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=enable_disable_agent&id=example_id&other=0&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### Example 2 (Enable agent 'example\_id')

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=enable_disable_agent&id=example_id&other=1&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

## set gis\_agent\_only\_position

= 5.0

It adds a new GIS position within any agent.

Call syntax:

- op=set (required)
- op2=gis\_agent\_only\_position (required)
- id=<índice> (required). Agent index.
- other=<serialized parameters> (required). Parameters to set the GIS.
  - <latitude> Latitude.
  - <longitude> Longitude.
  - <altitude> Altitude.

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=set&op2=gis_agent_only_position&id=582&other_mode=url_encode_separator_|&other=2%7C1%7C0
```

## set gis\_agent

= 5.0

It adds a gis data agent.

Call syntax:

- op=set (required)
- op2=gis\_agent\_only\_position (required)
- id=<índice> (compolsory). Agent index.
- other=<serialized parameters> (required). Gis data.
  - <latitude>
  - <longitude>

- <altitude>
- <ignore\_new\_gis\_data>
- <manual\_placement>
- <start\_timestamp>
- <end\_timestamp>
- <number\_of\_packages>
- <description\_save\_history>
- <description\_update\_gis>
- <description\_first\_insert>

## Ejemplo

```
http://127.0.0.1/pandora5/include/api.php?apipass=1234&user=admin&pass=pandora&op=set&op2=gis_agent&id=582&other_mode=url_encode_separator_|&other=2%7C2%7C0%7C0%7C0%7C2000-01-01+01%3A01%3A01%7C0%7C666%7Caaa%7Cbbb%7Cccc
```

## set reset\_agent\_counts

It updates agent alert and module counting.

Call syntax:

- op=set (required)
- op2=reset\_agent\_counts (required)
- id=<id\_agent> (required). It must be an agent id or "All".

## Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=reset_agent_counts&apipass=1234&user=admin&pass=pandora&id=All
```

## set create\_special\_day

= 5.1

It adds a new special day.

Call syntax:

- op=set (required)
- op2=create\_special\_day (required)
- other=<serialized parameters> (required)
  - <special day> Special day.
  - <same day> Same day.
  - <description> Description.
  - <id\_group> Group ID.

## Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pas
```

```
s=pandora&op=set&op2=create_special_day&other_mode=url_encode_separator_|&other=2014-05-03|Sunday|desc|0
```

### set update\_special\_day

= 5.1

It updates an already defined special day configuration.

Call syntax:

- op=set (required)
- op2=update\_special\_day (required)
- id=<special day's id> (required)
- other=<serialized parameters> (required)
  - <special day> Special day.
  - <same day> Same day.
  - <description> Description.
  - <id\_group> Group ID.

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=set&op2=update_special_day&id=1&other_mode=url_encode_separator_|&other=2014-05-03|Sunday|desc|0
```

### set delete\_special\_day

= 5.1

It deletes a special day.

Call syntax:

- op=set (required)
- op2=delete\_special\_day (required)
- id=<special day's id> (required)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?apipass=1234&user=admin&pass=pandora&op=set&op2=delete_special_day&id=1
```

### set pagerduty\_webhook

= 5.1

It connects PagerDuty notifications with Pandora FMS alerts. This call is set in the Webhook option in

PagerDuty's service to validate Pandora FMS alerts which have been previously linked to Pager Duty when they were validated from PagerDuty.

Call syntax:

- op=set (required)
- op2=pagerduty\_webhook (required)
- id=alert (required)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=pagerduty_webhook&apipass=1234&user=admin&pass=pandora&id=alert
```

### set tag\_user\_profile

| = 6

It adds a tag into a user profile.

Call syntax:

- op = set (required)
- op2 = tag\_user\_profile (required)
- id=id\_user (required)
- id2 = id\_tag (required)
- other\_mode = url\_encode\_separator\_| (required)
- other = <id\_group>|<id\_profile> (required)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=tag_user_profile&apipass=1234&user=admin&pass=pandora&id=1&id2=2&other_mode=url_encode_separator_|&other=122|3
```

### set tag

| = 6

It adds a tag into Pandora FMS.

Call syntax:

- op = set (required)
- op2 = tag (required)
- id=name (required)
- other\_mode = url\_encode\_separator\_| (required)
- other = <description>|<url>|<email>|<phone>

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=tag&apipass=1234&user=admin&pass=pandora&id=test&other_mode=url_encode_separator_|&other="a test"|http://www.artica.es|test@artica.es|01189998819991197253
```

### set add\_tag\_module

= 6

It adds a tag to a module.

Call syntax:

- op = set (required)
- op2 = add\_tag\_module (required)
- id=id\_module (required)
- id2 = id\_tag (required)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_tag_module&apipass=1234&user=admin&pass=pandora&id=1&id2=2
```

### set remove\_tag\_module

= 6

It removes a tag from a module.

Call syntax:

- op = set (required)
- op2 = remove\_tag\_module (required)
- id=id\_module (required)
- id2 = id\_tag (required)

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=remove_tag_module&apipass=1234&user=admin&pass=pandora&id=1&id2=2
```

### set planned\_downtimes\_created


= 5.1

It adds new planned downtime.

- op=set
- op2=planned\_downtimes\_created



- other=<description>;<date\_from>;<date\_to>;<id\_group>;<monday>;
- <tuesday>;<wednesday>;<thursday>;<friday>;<saturday>;<sunday>;<periodically\_time\_from>;<periodically\_time\_to>;
- <periodically\_day\_from>;<periodically\_day\_to>;<type\_downtime>;<type\_execution>;<type\_periodicity>;<id\_user>;



Date format needs to be MM/DD/YYYY for this call to work properly.

### Examples

Once:

```
http://localhost/pandora_console/include/api.php?op=set&op2=planned_downtime_s_created&apipass=1234&user=admin&pass=pandora&id=testing&other=testing|11/05/2018|11/16/2018|0|1|1|1|1|1|1|1|12:06:00|19:06:00|1|31|quiet|once|weekly|admin&other_mode=url_encode_separator_
```

Periodically:

```
http://localhost/pandora_console/include/api.php?op=set&op2=planned_downtime_s_created&apipass=1234&user=admin&pass=pandora&id=testing&other=testing|11/05/2018|11/16/2018|0|1|1|1|1|1|1|1|12:06:00|19:06:00|1|31|quiet|periodically|weekly|admin&other_mode=url_encode_separator_
```

### set planned\_downtimes\_additem

= 5.1

It adds new items of a planned downtime.

- op=set
- op2=planned\_downtimes\_additem
- id=planned\_downtime\_id
- Other=<id\_agent1;id\_agent2;id\_agent3;....id\_agentn;>;<name\_module1;name\_module2;name\_module3;.....name\_modulen;>

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=planned_downtime_s_additem&apipass=1234&user=admin&pass=pandora&id=123&other=1;2;3;4%7CStatus;Unkown_modules%20&other_mode=url_encode_separator_
```

### set planned\_downtimes\_deleted

=5.1

It deletes a planned downtime

- op=set
- op2=planned\_downtimes\_deleted
- id=planned\_downtime\_id

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=planned_downtimes_deleted&apipass=1234&user=admin&pass=pandora&id=10
```

### set create\_synthetic\_module

```
=5.1SP4
```

It adds a new synthetic module:

- op=set
- op2=create\_synthetic\_module
- id=Agent name to add module
- id2=<use\_agent\_alias>
- Other=<name\_module><synthetic\_type><AgentName;Operation;NameModule> OR <AgentName;NameModule> OR <Operation;Value>
- Data of module:

```
In arithmetic creations the first piece of data is Agent without operator: AgentName;NameModule or if you type in a value: <Operation;Value>. The rest of values follow this one: <AgentName;Operation;NameModule> or <Operation;Value> average: <AgentName;Operation;NameModule> or <Operation;Value>
```

- Operation:

```
arithmetic: ADD, SUB, MUL, DIV  
average: Only AVG
```

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_synthetic_module&apipass=1234&user=admin&pass=pandora&id=test&other=Test|arithmetic|Agent%20Name;Module%20Name|Agent%20Name2;ADD;Module%20Name2&other_mode=url_encode_separator_|
```

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_synthetic_module&apipass=1234&user=admin&pass=pandora&id=pepito&other=prueba|average|Agent%20Name;AVG;Name%20Module|Agent%20Name2;AVG;Name%20Module2&other_mode=url_encode_separator_|
```

### set create\_service

```
= 7
```

It creates a new service.

- op=set
- op2=create\_service
- other=<name>;<description>;<id\_group>;<critical>;<warning>;<id\_agent>;<sla\_interval>;<sla\_limit>;

<id\_warning\_module\_template\_alert>;<id\_critical\_module\_template\_alert>;<id\_critical\_module\_sla\_template\_alert>;

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_service&return_type=json&other=test1%7CDescripcion%7C12%7C1%7C0.5%7C1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set update\_service

```
= 7
```

It modifies a service.

- op=set
- op2=update\_service
- id=service id
- other=<name>;<description>;<id\_group>;<critical>;<warning>;<id\_agent>;<sla\_interval>;<sla\_limit>;

<id\_warning\_module\_template\_alert>;<id\_critical\_module\_template\_alert>;<id\_critical\_module\_sla\_template\_alert>;

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=update_service&return_type=json&id=1&other=test2%7CDescripcion2%7C%7C0.6%7C&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set add\_element\_service

```
= 7
```

It adds elements to a service.

- op=set
- op2=add\_element\_service
- id=service id



- op=set
- op2=migrate\_agent
- id=id\_agent to migrate
- Other=origin node name| destination node name | (true|false) not to migrate historical database
- other\_mode=url\_encode\_separator\_
- Return\_type=string, json, etc

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=migrate_agent&apipass=1234&user=admin&pass=pandora&id=2&other=nova|fringe|0&other_mode=url_encode_separator_&return_type=string
```

### set new\_cluster

```
| = 7.0
```

It creates an agent cluster

It creates a monitoring cluster with agents and items to monitor different nodes.

- op=set
- op2=new\_cluster
- other=cluster\_name| cluster\_type| description| group\_id
- other\_mode=url\_encode\_separator\_

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=new_cluster&other=nombre_cluster%7CAA%7Cdescripcion%7C12&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set add\_cluster\_agent

```
| = 7.0
```

It adds an agent to a cluster.

- op=set
- op2=add\_cluster\_agent
- Other=json with elements in base64
- other\_mode=url\_encode\_separator\_

The json structure should be:

```
[{"id":5,"id_agent":2}, {"id":5,"id_agent":3}]
```

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_cluster_agent&other=W3siaWQiOiJUsImlkX2FnZW50IjoyfSwKeyJpZCI6NSwiaWRfYWdlbnQiOiJN9XQ==&oth
```

```
er_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set add\_cluster\_item (activo/activo)

= 7.0

It adds an active/active item to a cluster

- op=set
- op2=add\_cluster\_item
- Other=json with elements in base64
- other\_mode=url\_encode\_separator\_

The json structure should be:

```
[{"name":"Swap_Used","id_cluster":5,"type":"AA","critical_limit":80,"warning_limit":60}, {"name":"TCP_Connections","id_cluster":5,"type":"AA","critical_limit":80,"warning_limit":60}]
```

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_cluster_item &other=W3sibmFtZSI6IlN3YXBfVXNlZCIsImlkX2NsdXN0ZXIiOjUsInR5cGUiOiJBQSI6ImNyaXRpY2FsX2xpbWl0Ijo4M0wid2FybmluZl9saW1pdCI6NjB9LAp7Im5hbWUiOiJlJl9ubVjdGlbnMiLCJpZF9jbHVzdGVyIjo1LCJ0eXB1Ijo1QUEiLCJjcml0aWNhbF9saW1pdCI6ODAsIndhc m5pbmdfbGltaXQiOjYwfv0=&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set add\_cluster\_item (active/passive)

= 7.0

It adds a passive/active item to a cluster.

- op=set
- op2=add\_cluster\_item
- Other=json with elements in base64
- other\_mode=url\_encode\_separator\_

The json structure should be:

```
[{"name":"DiskUsed_/proc/kcore","id_cluster":5,"type":"AP","is_critical":1}, {"name":"DiskUsed_/proc/sched_debug","id_cluster":5,"type":"AP","is_critical":1}]
```

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=add_cluster_item &other=W3sibmFtZSI6IkRpc2tVc2VkXy9wcm9jL2tjb3JlIiwiaWRfY2x1c3RlciI6NSwidHlwZSI6IkF0IiwiaXNfY3JpdGljYwwiOjF9LAp7Im5hbWUiOiJlJl9ubVjdGlbnMiLCJpZF9jbHVzdGVyIjo1LCJ0eXB1Ijo1QUEiLCJjcml0aWNhbF9saW1pdCI6ODAsIndhc m5pbmdfbGltaXQiOjYwfv0=&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set delete\_cluster

= 7.0

It deletes a cluster.

- op=set
- op2=delete\_cluster
- id=id of the cluster to delete

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_cluster&id=7&apipass=1234&user=admin&pass=pandora
```

### set delete\_cluster\_agents

= 7.0

It unpairs an agent from a cluster

- op=set
- op2=delete\_cluster\_agents
- Other=id\_agente| id\_cluster|
- other\_mode=url\_encode\_separator\_

The json structure should be: [{"id":5,"id\_agent":2}, {"id":5,"id\_agent":3}]

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_cluster_agents&other=2%7C1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set delete\_cluster\_item

= 7.0

It deletes an item from a cluster.

- op=set
- op2=delete\_cluster\_item
- id=id of item to eliminate

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=delete_cluster_item&id=9&apipass=1234&user=admin&pass=pandora
```

### set create\_policy

= 7.0. 725

It creates a policy. Both the policy name, which cannot be repeated, and the id\_group, which must exist in the database, are required.

- op=set
- op2 = create\_policy
- Other=policy name (required) | id\_del grupo (required) | description;
- other\_mode=url\_encode\_separator\_
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_policy&apipass=1234&user=admin&pass=pandora&other=name%20Policy|11|this%20description&other_mode=url_encode_separator_&return_type=json
```

### set update\_policy

= 7.0. 725

It updates a policy. The policy name cannot be repeated and the id\_group must exist in the database. It returns 0 (false) or the updated policy id (true).

- op=set
- op2=update\_policy
- id=policy id
- Other=policy name | group\_id | description;
- other\_mode=url\_encode\_separator\_
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=update_policy&apipass=1234&user=admin&pass=pandora&id=17&other=policy2|11|this%20description&other_mode=url_encode_separator_&return_type=json
```

### set delete\_policy

= 7.0. 725

It deletes a policy. It is required to enter the policy id, which must exist in order to delete it. It returns 0 (false) or 1 (true).

- op=set
- op2=delete\_policy
- id=policy id
- Return\_type=(string, csv, json).

### Example



```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_policy&apipass=1234&user=admin&pass=pandora&id=10&return_type=json
```

### set add\_collections\_policy

= 7.0. 725

It adds a collection to a policy. It is necessary to enter the policy id and for such a policy to exist, as an id, name or short name of the collection you wish to add, which should exist too. Both fields are required. It returns 0 (false) or the id of the collection added to a policy (true).

- op=set
- op2 = add\_collections\_policy
- id=policy id
- id2 = id, name or short name
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=add_collections_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=4&id2=apache_plugin
```

### set remove\_collections\_policy

= 7.0. 725

To mark a policy collection that is yet to be deleted, it is necessary:

- A policy id, and for such a policy to exist. Mandatory.
- An id, name or short name of the collection you wish to remove, which must exist. Mandatory.
- And 0 or 1: 1 marks it as yet to be deleted and 0 removes said state. If this field is empty, it will try to check it so that it can be deleted by default.

It returns 0 (false) or 1 (true).

- op=set
- op2=remove\_collections\_policy
- id= policy id
- id2=id, name or short name
- Other=(bool) 0 or 1
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=remove_collections_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=4&id2=2&other=1.
```

## set create\_plugins\_policy

= 7.0. 725

To add a plugin to a policy the following are necessary:

- A policy id and for such a policy to exist. Mandatory.
- The plugin string to run. Mandatory.

It returns 0 (false) or the plugin id that has been added to a policy (true).

- op=set
- op2=create\_plugins\_policy
- id=policy id
- id2=text string
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_plugins_policy&apipass=1234&user=admin&pass=pandora&return_type=json&id=2&id2=echo%201
```

## set delete\_plugins\_policy

= 7.0. 725

These are the requirements to remove a plugin from a policy:

- A policy id and for such a policy to exist. Mandatory.
- A plugin id to be removed. Mandatory.
- 0 or 1: 1 means the plugin is yet to be deleted and 0 removes this state. If not added, this field is marked as pending to be deleted by default.

It returns 0 (false) or 1 (true).

- op=set
- Op2=delete\_plugins\_policy
- id=policy id
- id2=plugin id
- Other=0 or 1
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_plugins_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=2&id2=1&other=1
```

### set linking\_policy

= 7.0. 725

To link an unlinked policy module it is necessary:

- An agent id module that is unlinked.

It returns 0 (false) or 1 (true).

- op=set
- op2=linking\_policy
- id=module agent id
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=linking_policy&apipass=1234&user=admin&pass=pandora&return_type=json&id=28
```

### set create\_alerts\_policy

= 7.0. 725

To create policy alert, these are necessary:

- A policy id that must exist (required).
- A policy module id, if it belongs to the normal type it is mandatory.
- A template id that must exist (required).
- Whether it is external or not: 0 (normal), 1 (external). It is 0 (normal) by default.
- If it belongs to the external type (1) a module name that must match it.

It returns 0 (false) or the id of the alert added in the policy (true).

- op=set
- op2=create\_alerts\_policy
- id=policy id
- id2=policy module id
- Other=policy module id|id template|0 or 1|module name.
- other\_mode=url\_encode\_separator\_|
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_alerts_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=2&other=0|2|1|cpu%20load&other_mode=url_encode_separator_|
```

### set update\_alerts\_policy

= 7.0. 725

To update policy alerts, it is necessary:

- A policy id that must exist (required).
- Active 0 | Waiting 1
- enable 0 | disable 1

It returns 0 (false) or the id of the updated alert in the policy (true).

- op=set
- op2=update\_alerts\_policy
- id=policy id
- Other=0 or 1 ( activate/deactivate ) | 0 or 1 (enable/disable).
- other\_mode=url\_encode\_separator\_
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=update_alerts_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=7&other=1|1&other_mode=url_encode_separator_
```

### set delete\_alerts\_policy

= 7.0. 725

To remove an alert from a policy it is necessary:

- A policy alert id that must exist (required).
- 0 | 1 mark it as yet to be removed or not. If this field is empty, 1 is set by default.
- Active 0 | Standby 1

It returns 0 (false) or 1 (true).

- op=set
- Op2=delete\_alerts\_policy
- id=policy id
- id2=0 or 1.
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_alerts_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=7&id2=1
```

### set create\_alerts\_actions\_policy

= 7.0. 725

To add an action to a policy alert it is necessary:

- A policy alert id that must exist (required).
- A policy action id that must exist (required).
- You may add a minimum number of shots or a maximum number of shots by default: 0.

It returns 0 (false) or the id of the action added to the policy alert (true).

- op=set
- op2=create\_alerts\_action\_policy
- id=policy id
- id2=action id
- Other=min fires | max fires
- other\_mode=url\_encode\_separator\_
- Return\_type=(string, csv, json).

### Example

```
http://172.16.0.2/pandora_console/include/api.php?op=set&op2=create_alerts_actions_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=1&id2=4&other=5|2&other_mode=url_encode_separator_
```

### set delete\_alerts\_actions\_policy

= 7.0. 725

To remove an action from a policy alert, it is necessary:

- A policy alert id that must exist (required).
- A policy action id that must exist (required).
- op=set
- op2=delete\_alerts\_action\_policy
- id=policy id
- id2=action id
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_alerts_actions_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=1&id2=4
```

### set remove\_agents\_policy

= 7.0. 725

To remove an agent from a policy, it is necessary:

- A policy id that must exist (required).
- An agent id that must exist (required).

- op=set
- op2=remove\_agents\_policy
- id=policy id
- id2=group id
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=remove_agents_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=5&id2=2
```

### set add\_groups\_policy

= 7.0. 725

To add a policy group, it is necessary:

- An existing policy id (required).
- An existing group id (required).
- op=set
- op2=add\_groups\_policy
- id=policy id
- id2=group id
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=add_groups_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=7&id2=12
```

### set remove\_groups\_policy

= 7.0. 725

To remove an agent from a policy, it is necessary:

- An existing policy id (required).
- An existing group id (required).
- op=set
- op2=remove\_groups\_policy
- id=policy id
- id2=group id
- Return\_type=(string, csv, json).

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=remove_groups_policy&apipass=1234&user=admin&pass=pandora&return_type=string&id=5&id2=2
```

## set create\_os

= 7.0. 727

It creates a new operating system with the data as parameters.

Call syntax:

- op=set (required)
- op2=create\_os (required)
- other=<serializead parameters> (required). They are the system's data, serializead in this order:
  - <name>
  - <description>
  - <icon>

### Example

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_os&other=os_name%7Cos_description%7Cos_icon.png&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

## set update\_os

= 7.0. 727

It updates the operating system with data as parameters.

Call syntax:

- op=set (required)
- op2=create\_os (required)
- other=<serializead parameters> (required). They are the operating system's data, serialized in this order:
  - <name>
  - <description>
  - <icon>

### Example

```
http://127.0.0.1/pandora_console/include/api.php?id=107&op=set&op2=update_os&other=os_name_to_update%7Cos_description_to_update%7Cos_icon_to_update.png&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

## set disabled\_and\_standby

= 7.0. 728

It disables an agent and, if it has remote configuration, it makes it go into standby mode.

## Call Syntax:

- op=set (required)
- op2=disabled\_and\_standby (required)
- id=<agent id> (required). In the Metaconsole, it is the id of the agent, that is to say, the id of the node.
- id2=<id del nodo> (required in the Metaconsole, not needed in the node)
- other=<valor> (optional) Value (0 to enable and 1 to disable) of the new status. If no value is specified, it disables the agent.

## Example

```
http://127.0.0.1/pandora_console/include/api.php?id=2&op=set&op2=disabled_and_standby&other=1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

```
http://127.0.0.1/pandora_console/include/api.php?id=2&id2=1&op=set&op2=disabled_and_standby&other=1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

## set validate\_traps

| = 7.0. 728

It allows to validate traps.

- op=set
- op2=validate\_traps
- id=trap id

## Example

```
https://127.0.0.1/pandora_console/include/api.php?op=set&op2=validate_traps&id=1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

## set delete\_traps

| = 7.0. 728

It allows to delete a trap:

- op=set
- Op2=delete\_traps
- id=trap id

## Example



```
http://127.0.0.1/pandora_console/include/api.php?id=2&op=set&op2=delete_trap
s&id=1&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pand
ora
```

### set access\_process

= 7.0NG. 728

This function allows to manage the access to a third application from records in the system audit log of Pandora FMS. It uses different parameters to process one of these registry actions in your application and avoids concurrent access by administrator users. Optionally, it can ban access to non-administrator users.

Call syntax:

- op = set
- op2 = access\_process
- other = <required parameters>
  - <user\_id>

The id of the user trying to access the application, this data is recorded and checked in the audit to filter user access, exit, exploration or navigation through the application.

- <action> - (login,logout,exclude,browse)

login: It is used to request access to the application. It deletes the text string "free" and registers your access in Pandora FMS audit or returns the text string "denied" if there is another user in the audit records who has previously logged in the system and has not yet logged out. It will also return denied if the administrator-only access parameter is enabled and the user is not an admin.

logout: Logs a user's application logout so that other users are again allowed to access.

browse: It must be used on all pages of the external application, as it checks whether this user is still the last one to access or be expelled from the application.

exclude: It expels the currently registered user and registers the access of another one sent in the user\_id parameter

- <app ip address>

IP address of the application from which you access it. It is registered and checked in the Pandora FMS audit to check user access status in the application.

- <app name>

Name of the application you are accessing from. It is registered and checked in the Pandora FMS audit to check the user access status in the application.

- <only admin access>

It forbids the access to non-administrator users.

## Example (requires adapted environment)

```
http://127.0.0.1/pandora_console/include/api.php?op=get&op2=access_process&other=1%7Clogin%7C192.168.50.25%7Cexternal_app%7C0&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set create\_event\_response

It creates a new event response.

Call syntax:

- op=set (required)
- op2=create\_event\_response (required)
- Return\_type=csv|json (required)
- other=<serialized parameters> (all required). In the following order:
  - <name>
  - <description>
  - <target> If the forth parameter (<type>) is *command*, here it is necessary to indicate the desired command to execute the response to the event. On the other hand, if it is *url*, indicate the URL you wish to access as a response to the event.
  - <type> *command* or *url*.
  - <group id> The user must have permissions over the indicated group.
  - <modal window width> In pixels.
  - <modal window height> In pixels.
  - <new window> 1 or 0. It indicates whether the URL is shown on a new window (1) or on a modal window (0).
  - <command timeout> Response in seconds.
  - <parameters> Parameters that complement the execution of the command.
  - <server> Id of the server in which the command is to be executed. For the local console, the value is 0.

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_event_response&other=response|description%20response|touch|command|0|650|400|0|response|0|90&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set update\_event\_response

It edits an existing event response. The user must have permissions on the group to which the response belongs, in order to edit it.

Call syntax:

- op=set (required)
- op2=update\_event\_response (required)

- `Return_type=csv|json` (required)
- `id=<id of event response>` (required)
- `other=<serialized parameters>` (optional). In the following order:
  - `<name>`
  - `<description>`
  - `<target>` If the fourth parameter (`<type>`) is *command*, indicate here the command that you wish for the event response to execute. On the other hand, if it is *url*, indicate the URL you wish to access as a response to the event.
  - `<type>` *command* or *url*.
  - `<group id>` The user must have permissions on the indicated group.
  - `<modal window width>` In pixels.
  - `<modal window height>` In pixels.
  - `<new window>` 1 or 0. It indicates whether the URL is displayed on a new window (1) or on a modal window (0).
  - `<command timeout>` Response in seconds.
  - `<parameters>` Parameters that complement the command's execution.
  - `<server>` Id of the server where the command is to be executed. For the local console the value is 0.

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=update_event_response&id=5&other=response|description%20response|touch|command|0|650|400|0|response|0|90&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set delete\_event\_response

It deletes an event response. The user must have permissions on the group to which the response belongs in order to delete it.

Call syntax:

- `op=set` (required)
- `op2=delete_event_reponse` (required)
- `Return_type=csv|json`
- `id=<event response id>` (required)

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_event_response&id=7&apipass=1234&user=admin&pass=pandora
```

### set create\_user\_profile\_info

It creates a new user profile.

Call syntax:

- op=set (required)
- op2=create\_user\_profile\_info (required)
- Return\_type=csv|json (required)
- other=<serialized parameters> In the following order:
  - <name> (required)
  - <access bits> 1 if bit is to be set and 0 if not. They are not required but if no value is specified, the bit will be marked as not active. In this order:

**IR|IW|IM|AR|AW|AD|LW|LM|UM|DM|ER|EW|EM|RR|RW|RM|MR|MW|MM|VR|VW|VM|PM.**



To know which permissions should be activated, click on the following [link](#).

### Example

This example creates a profile that gives read-only access to Pandora, that is, it is the same as the predefined profile *Operator (read)*.

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_user_profile_info&return_type=json&other=API_profile%7C1%7C0%7C0%7C1%7C0%7C0%7C0%7C0%7C0%7C0%7C1%7C0%7C0%7C1%7C0%7C0%7C1%7C0%7C0%7C1%7C0%7C0%7C0%7C1%7C0%7C0%7C0&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set update\_user\_profile\_info

It updates a new existing user profile.

Call syntax:

- op=set (required)
- op2=update\_user\_profile\_info (required)
- other=<serialized parameters> (all optional). In the following order:
  - <name>
  - <access bits> 1 if you want to set the bit and 0 if you want to disable it. If no value is specified, it will not change. In this order:

**IR|IW|IM|AR|AW|AD|LW|LM|UM|DM|ER|EW|EM|RR|RW|RM|MR|MW|MM|VR|VW|VM|PM.**



To find out which permissions should be activated, click on the following [link](#).

### Example

In this example the name of the profile with ID 6 is replaced by *API\_profile\_updated* and it is granted

all permissions (read, write and management) related to agents and permission to read events is withdrawn.

```
http://localhost/pandora_console/include/api.php?op=set&op2=update_user_profile_info&return_type=json&id=6&other=API_profile_updated%7C%7C%7C%7C1%7C1%7C1%7C%7C%7C%7C%7C0%7C%7C%7C%7C%7C%7C%7C%7C%7C%7C%7C%7C%7C%7C%7C&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set delete\_user\_profile\_info

It deletes a user profile. It also deletes all that profile assignments to any user.

Call syntax:

- op=set (required)
- op2=delete\_user\_profile\_info (required)
- Return\_type=csv|json
- id=<id del perfil> (required)

### Example

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_user_profile_info&return_type=json&id=8&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set create\_event\_filter

It creates an event filter.

Call syntax:

- op=set (required)
- op2=create\_event\_filter (required)
- other=<serialized parameters>. In this order:
  - <id\_group\_filter>
  - <id\_group>
  - <event\_type  
[new\_agent|alert\_recovered|alert\_ceased|alert\_fired|configuration\_change|error|alert\_manual\_validation|critical|normal|warning|not\_normal|recon\_host\_detected|system|unknown|going\_unknown]>
  - <severity [0|1|2|3|4|5|6|20|21|34]> (0: Maintenance, 1: Informative, 2: Normal, 3: Warning, 4: Critical, 5: Minor, 6: Principal, 20: Not normal, 21: Critical/Normal, 34: Warning/Critical)
  - <event\_status [2|3|0|1]> (0: Only new, 1: only validated, 2: only in process, 3: only not validated)
  - <free\_search>
  - <agent\_id>
  - <pagination\_size [25|50|100|200|500]>
  - <max\_hours\_old>

- <id\_user\_ack>
- <duplicate [0|1]> (0: All the events, 1: grouped events)
- <date\_from> (format: AAAA/MM/DD)
- <date\_to> (format: AAAA/MM/DD)
- <events\_with\_tags> (format: ["tag\_id\_1", "tag\_id\_2", "tag\_id\_3", "..."])
- <events\_without\_tags> (format: ["tag\_id\_1", "tag\_id\_2", "tag\_id\_3", "..."])
- <alert\_events [0|1]> (0: filter by event alerts, 1: Alert events only)
- <module\_id>
- <source>
- <id\_extra>
- <user\_comment>

## Examples

```
http://127.0.0.1/pandora_console/include/api.php?op=set&op2=create_event_filter&id=test&other=%7C%7Cerror%7C4%7C%7C%7C1%7C%7C12%7C%7C%7C2018-12-09%7C2018-12-13%7C[%226%22]%7C[%2210%22,%226%22,%223%22]%7C1%7C10%7C%7C%7C&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set update\_event\_filter

It updates an event filter.

Call syntax:

- op=set (required)
- op2=update\_event\_filter (required)
- id=<event\_filter\_id> (required). It must be an existing event filter id.
- other=<serialized parameters> (optional). In the following order:
  - <id\_group\_filter>
  - <id\_group>
  - <event\_type  
[new\_agent|alert\_recovered|alert\_ceased|alert\_fired|configuration\_change|error|alert\_manual\_validation|critical|normal|warning|not\_normal|recon\_host\_detected|system|unknown|going\_unknown]>
  - <severity [0|1|2|3|4|5|6|20|21|34]> (0: Maintenance, 1: Informative, 2: Normal, 3: Warning, 4: Critical, 5: Minor, 6: Principal, 20: Not normal, 21: Critical/Normal, 34: Warning/Critical)
  - <event\_status [2|3|0|1]> (0: new only, 1: validated only, 2: in process only, 3: not validated only)
  - <free\_search>
  - <agent\_id>
  - <pagination\_size [25|50|100|200|500]>
  - <max\_hours\_old>
  - <id\_user\_ack>
  - <duplicate [0|1]> (0: all events, 1: grouped events)
  - <date\_from> (format: AAAA/MM/DD)
  - <date\_to> (format: AAAA/MM/DD)
  - <events\_with\_tags> (format: ["tag\_id\_1", "tag\_id\_2", "tag\_id\_3", "..."])



## Call syntax:

- `op=set` (required)
- `op2=create_inventory_module` (required)
- `Return_type=csv|json`
- `other=<serialized parameters>` In the following order:
  - `<name>` (required)
  - `<description>` (required, but can be empty)
  - `<operation system id>` (required). Numerical Id of the table `tconfig_os`.
  - `<interpreter>` (required, but can be empty). If the interpreter is empty, it is interpreted as just a local inventory module.
  - `< code >` (required, but can be empty). *Script* that must be executed to obtain the inventory data. Must be in **base64**.
  - `< data format >` (required). Header of the retrieved data (separated by ;).
  - `<block mode>` (required) 1 or 0.

## Example

This example creates an inventory module called **OS** that collects the *kernel-name* and *nodename* data from a Linux system.

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_inventory_module&return_type=json&other=0S%7C0S_name_description%7C1%7C/bin/bash%7CIyEvYmLuL2Jhc2gKZWNoByB1bmFtZSAtdbiAtcw==%7Ckernelname;nodename%7C0&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

## set update\_inventory\_module

It updates an inventory module.

## Call syntax:

- `op=set` (required)
- `op2=update_inventory_module` (required)
- `id=inventory module ID` (required)
- `Return_type=csv|json`
- `other=<serialized parameters>`. In the following order:
  - `<name>` (required)
  - `<description>`: (required, but it can be empty)
  - `<operation system id>` (required). Numerical Id of the `tconfig_os` table.
  - `<interpreter>`: (required, but can be empty). If the interpreter is empty, it is interpreted as just a local inventory module.
  - `< code >`: (required, but it can be empty). *Script* that must be executed to obtain inventory data. It must be in **base64**.
  - `< data format >`: (required) Header of the retrieved data (separated by ;).
  - `<block mode>`: (required) 1 or 0.

## Example



```
http://localhost/pandora_console/include/api.php?op=set&op2=update_inventory_module&return_type=json&id=42&other=OS_easy%7COS_name_description%7C1%7C/bin/bash%7CIyEvYmluL2Jhc2gKZWNoYmFtZSAtdiAtcw==%7Ckernelname;nodename%7C0&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set delete\_inventory\_module

It deletes a user profile. It also deletes all assignments from that profile to any user.

Call syntax:

- op=set (required)
- op2=delete\_inventory\_module (required)
- Return\_type=csv|json
- id=<inventory module ID> (required)

### Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_inventory_module&return_type=json&id=42&other_mode=url_encode_separator_%7C&apipass=1234&user=admin&pass=pandora
```

### set create\_collection

It creates a collection.

Call syntax:

- op=set (required)
- op2=create\_collection (required)
- other=<serialized values> (required) Serialized values to create the collection.
- <name>
- <short\_name>
- <id\_group>
- <description>

It is necessary to pair it with 'other\_mode' as follows: other\_mode = url\_encode\_separator\_<separator> to pass the separator of the serialized values of other.

### Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_collection&other=test_plugin|test_p|0|test&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

### set delete\_collection

It deletes a collection.

Call syntax:

- op=set (required)
- op2=delete\_collection (required)
- id=id\_collection (required)

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=delete_collection&id=15&apipass=1234&user=admin&pass=pandora
```

## set enable\_disable\_discovery\_task

Enables or disables a task in the [Discovery Task list](#).

Call syntax:

- op=set (required)
- op2=enable\_disable\_discovery\_task (required)
- id=task identifier (required)
- Other=1 for disable and 0 for enable

## Examples

```
http://localhost/pandora_console/include/api.php?op=set&op2=enable_disable_discovery_task&id=1&other=1&other_mode=url_encode_separator_|&apipass=1234&user=admin&pass=pandora
```

## set create\_module\_policy\_json

Adds a Module to the target policy by means of a definition made in JSON format.

Call syntax:

- op=set (required)
- op2=create\_module\_policy\_json (required)
- id=policy id (required)
- other =[JSON encoded base64](#) with the module definition. Possible fields:

```
{
name: <value>, // mandatory
id_module: <value>, // mandatory
id_tipo_modulo: <value>, // mandatory
configuration_data: <value>,
description: <value>,
unit: <value>,
```

```
max: <value>,
min: <value>,
module_interval: <value>,
ip_target: <value>,
tcp_port: <value>,
tcp_send: <value>,
tcp_rcv: <value>,
snmp_community: <value>,
snmp_oid: <value>,
id_module_group: <value>,
flag: <value>,
disabled: <value>,
id_export: <value>,
plugin_user: <value>,
plugin_pass: <value>,
plugin_parameter: <value>,
id_plugin: <value>,
post_process: <value>,
prediction_module: <value>,
max_timeout: <value>,
max_retries: <value>,
custom_id: <value>,
history_data: <value>,
min_warning: <value>,
max_warning: <value>,
str_warning: <value>,
min_critical: <value>,
max_critical: <value>,
str_critical: <value>,
min_ff_event: <value>,
custom_string_1: <value>,
custom_string_2: <value>,
custom_string_3: <value>,
custom_integer_1: <value>,
custom_integer_2: <value>,
pending_delete: <value>,
critical_instructions: <value>,
warning_instructions: <value>,
unknown_instructions: <value>,
critical_inverse: <value>,
warning_inverse: <value>,
id_category: <value>,
module_ff_interval: <value>,
quiet: <value>,
cron_interval: <value>,
macros: <value>,
disabled_types_event: {
"going_unknwon": 1, // Disable going unknown events.
},
module_macros: <value>,
min_ff_event_normal: <value>,
```

```
min_ff_event_warning: <value>,
min_ff_event_critical: <value>,
ff_type: <value>,
each_ff: <value>,
ff_timeout: <value>,
dynamic_interval: <value>,
dynamic_max: <value>,
dynamic_min: <value>,
dynamic_next: <value>,
dynamic_two_tailed: <value>,
prediction_sample_window: <value>,
prediction_samples: <value>,
prediction_threshold: <value>,
cps: <value>,
}
```

## Examples

In JSON format before converting to base64:

```
{
  "id_tipo_modulo": 1,
  "id_modulo": 10,
  "name": "sample module",
  "description": "Module created by API",
  "configuration_data": "module_begin\nmodule_name sample
module\nmodule_type generic_data\nmodule_exec echo 1\nmodule_end",
  "min_warning": 2,
  "max_warning": 5,
  "min_critical": 5,
  "max_critical": 7
}
```

Once base64 encoded:

```
http://localhost/pandora_console/include/api.php?op=set&op2=create_module_policy_json&id=
```

```
1&other=eyJpZF90aXBvX21vZHVsbyl6MSwiaWRfbW9kdWxvIjoxMwibmFtZSI6InNhbXBsZSBtb2R1bGUiLCJkZXNjcmlwdGlvbil6Ik1vZHVzZSBjcmVhdGVkIGJ5IEFQSSlmlNvbmlZpZ3VyYXRpb25fZGF0YSI6Im1vZHVzZV9iZWdpblxubW9kdWxIX25hbWUgc2FtcGxlIG1vZHVzZVxubW9kdWxIX3R5cGUgZ2ZuZXJpY19kYXRhXG5tb2R1bGVfZXhhIYyBIY2hvIDFcbm1vZHVzZV9lbmQiLCJtaW5fd2FybmluZyI6MiwibWF4X3dhcm5pbmciOjUsIm1pbl9jcmI0aWNhbCI6NSwibWF4X2NyaXRpY2Fsljo3fQ==&apikey=pandora&user=admin&pass=pandora
```

### set update\_module\_policy\_json

Update a **existing** Module to the target policy by means of a definition made in JSON format.

## Call syntax:

- op=set (required)
- op2=update\_module\_policy\_json (required)
- id=policy id (required)
- other =[JSON encoded base64](#) with the module definition. Possible fields:

```
{
name: <value>, // mandatory
id_module: <value>, // mandatory
id_tipo_modulo: <value>, // mandatory
configuration_data: <value>,
description: <value>,
unit: <value>,
max: <value>,
min: <value>,
module_interval: <value>,
ip_target: <value>,
tcp_port: <value>,
tcp_send: <value>,
tcp_rcv: <value>,
snmp_community: <value>,
snmp_oid: <value>,
id_module_group: <value>,
flag: <value>,
disabled: <value>,
id_export: <value>,
plugin_user: <value>,
plugin_pass: <value>,
plugin_parameter: <value>,
id_plugin: <value>,
post_process: <value>,
prediction_module: <value>,
max_timeout: <value>,
max_retries: <value>,
custom_id: <value>,
history_data: <value>,
min_warning: <value>,
max_warning: <value>,
str_warning: <value>,
min_critical: <value>,
max_critical: <value>,
str_critical: <value>,
min_ff_event: <value>,
custom_string_1: <value>,
custom_string_2: <value>,
custom_string_3: <value>,
custom_integer_1: <value>,
custom_integer_2: <value>,
pending_delete: <value>,
critical_instructions: <value>,
```

```
warning_instructions: <value>,
unknown_instructions: <value>,
critical_inverse: <value>,
warning_inverse: <value>,
id_category: <value>,
module_ff_interval: <value>,
quiet: <value>,
cron_interval: <value>,
macros: <value>,
disabled_types_event: {
  "going_unkwon": 1, // Disable going unknown events.
},
module_macros: <value>,
min_ff_event_normal: <value>,
min_ff_event_warning: <value>,
min_ff_event_critical: <value>,
ff_type: <value>,
each_ff: <value>,
ff_timeout: <value>,
dynamic_interval: <value>,
dynamic_max: <value>,
dynamic_min: <value>,
dynamic_next: <value>,
dynamic_two_tailed: <value>,
prediction_sample_window: <value>,
prediction_samples: <value>,
prediction_threshold: <value>,
cps: <value>,
}
```

## Examples

In JSON format before converting to base64:

```
{
  "id_tipo_modulo": 1,
  "id_modulo": 1,
  "name": "nombre editado",
  "description": "Module created by API",
  "configuration_data": "module_begin\nmodule_name sample
module\nmodule_type generic_data\nmodule_exec echo 1\nmodule_end",
  "min_warning": 3,
  "max_warning": 6,
  "min_critical": 6,
  "max_critical": 8
}
```

Once base64 encoded:

```
http://localhost/pandora_console/include/api.php?op=set&op2=update_module_po
```

```
licy_json&id=
```

```
1&id2=43&other=eyJpZF90aXBvX21vZHVsbyl6MSwiaWRfbW9kdWxvIjoxLCJuYW1lIjoibm9tYnJll  
GVkaXRhZG8iLCJkZXNjcmlwdGlvbil6Ik1vZHVvsZSBjcmVhdGVkIGJ5IEFQSSlslmNvbWZpZ3VyYX  
Rpb25fZGF0YSI6Im1vZHVvsZV9iZWdpbXubW9kdWxIX25hbWUgc2FtcGxllG1vZHVvsZVxubW9kd  
WxIX3R5cGUgZ2VuZXJpY19kYXRhXG5tb2R1bGVfZXhlYyBIY2hviDFcbm1vZHVvsZV9lbnQlLCJta  
W5fd2FybmluZyI6MywibWF4X3dhcm5pbmciOjYslm1pbl9jcml0aWNhbCI6NiwiW4X2NyaXRpY  
2Fsljo4fQ==&apipass=pandora&user=admin&pass=pandora
```

## Examples

These are several examples in several languages about calling Pandora FMS API.

### Example

```
http://127.0.0.1/pandora5/include/api.php?apipass=1234&user=admin&pass=pando  
ra&op=set&op2=gis_agent&id=582&other_mode=url_encode_separator_|&other=2%7C2  
%7C0%7C0%7C0%7C2000-01-01+01%3A01%3A01%7C0%7C666%7Caaa%7Cbbb%7Cccc
```

### PHP

```
<?php  
$ip = '192.168.70.110';  
$pandora_url = '/pandora5';  
$apipass = '1234';  
$user = 'admin';  
$password = 'pandora';  
$op = 'get';  
$op2 = 'all_agents';  
$return_type = 'csv';  
$other = '';  
$other_mode = '';  
  
$url = "http://" . $ip . $pandora_url . "/include/api.php";  
  
$url .= "?";  
$url .= "apipass=" . $apipass;  
$url .= "&user=" . $user;  
$url .= "&pass=" . $password;  
$url .= "&op=" . $op;  
$url .= "&op2=" . $op2;  
if ($id !== '') {  
    $url .= "&id=" . $id;  
}  
if ($id2 !== '') {  
    $url .= "&id2=" . $id2;  
}  
}
```

```
if ($return_type != '') {
    $url .= "&return_type=" . $return_type;
}
if ($other != '') {
    $url .= "&other_mode=" . $other_mode;
    $url .= "&other=" . $other;
}

$curlObj = curl_init();
curl_setopt($curlObj, CURLOPT_URL, $url);
curl_setopt($curlObj, CURLOPT_RETURNTRANSFER, 1);
$result = curl_exec($curlObj);
curl_close($curlObj);

$agents = array();
if (!empty($result)) {
    $lines = explode("\n", $result);
    foreach ($lines as $line) {
        $fields = explode(";", $line);
        $agent = array();
        $agent['id_agent'] = $fields[0];
        $agent['name'] = $fields[1];
        $agent['ip'] = $fields[2];
        $agent['description'] = $fields[3];
        $agent['os_name'] = $fields[4];
        $agent['url_address'] = $fields[5];
        $agents[] = $agent;
    }
}

print_list_agents($agents);

function print_list_agents($agents) {
    echo "<table border='1' style='empty-cells: show;'>";
    echo "<thead>";
    echo "<tr>";
    echo "<th>" . "ID" . "</th>";
    echo "<th>" . "Name" . "</th>";
    echo "<th>" . "IP" . "</th>";
    echo "<th>" . "Description" . "</th>";
    echo "<th>" . "OS" . "</th>";
    echo "<th>" . "URL" . "</th>";
    echo "</tr>";
    echo "</thead>";
    foreach ($agents as $agent) {
        echo "<tr>";
        echo "<td>" . $agent['id_agent'] . "</td>";
        echo "<td>" . $agent['name'] . "</td>";
        echo "<td>" . $agent['ip'] . "</td>";
        echo "<td>" . $agent['description'] . "</td>";
```



```
        echo "<td>" . $agent['os_name'] . "</td>";
        echo "<td>" . $agent['url_address'] . "</td>";
        echo "</tr>";
    }
    echo "</table>";
}
?>
```

## Python

```
import pycurl
import cStringIO
import pprint

def main():
    ip = '192.168.70.110'
    pandora_url = '/pandora5'
    apipass = '1234'
    user = 'admin'
    password = 'pandora'
    op = 'get'
    op2 = 'all_agents'
    return_type = 'csv'
    other = ''
    other_mode = ''
    url = "http://" + ip + pandora_url + "/include/api.php"
    url += "?"
    url += "apipass=" + apipass
    url += "&user=" + user
    url += "&pass=" + password
    url += "&op=" + op
    url += "&op2=" + op2
    buf = cStringIO.StringIO()
    c = pycurl.Curl()
    c.setopt(c.URL, url)
    c.setopt(c.WRITEFUNCTION, buf.write)
    c.perform()
    output = buf.getvalue()
    buf.close()
    lines = output.split("\n")
    agents = []
    for line in lines:
        if not line:
            continue
        fields = line.split(";")
        agent = {}
        agent['id_agent'] = fields[0]
        agent['name'] = fields[1]
        agent['ip'] = fields[2]
        agent['description'] = fields[3]
```

```
agent['os_name'] = fields[4]
agent['url_address'] = fields[5]
agents.append(agent)
for agent in agents:
    print("---- Agent #" + agent['id_agent'] + " ----")
    print("Name: " + agent['name'])
    print("IP: " + agent['ip'])
    print("Description: " + agent['description'])
    print("OS: " + agent['os_name'])
    print("URL: " + agent['url_address'])
    print("")

if __name__ == "__main__":
    main()
```

## Perl

```
use strict;
use warnings;
use WWW::Curl::Easy;

sub write_callback {
    my ($chunk,$variable) = @_;
    push @{$variable}, $chunk;
    return length($chunk);
}

my $ip = '192.168.70.110';
my $pandora_url = '/pandora5';
my $apipass = '1234';
my $user = 'admin';
my $password = 'pandora';
my $op = 'get';
my $op2 = 'all_agents';
my $return_type = 'csv';
my $other = '';
my $other_mode = '';

my $url = "http://" . $ip . $pandora_url . "/include/api.php";
$url .= "?";
$url .= "apipass=" . $apipass;
$url .= "&user=" . $user;
$url .= "&pass=" . $password;
$url .= "&op=" . $op;
$url .= "&op2=" . $op2;

my @body;
```

```
my $curl = WWW::Curl::Easy->new;
$curl->setopt(CURLOPT_URL, $url);
$curl->setopt(CURLOPT_WRITEFUNCTION, \&write_callback);
$curl->setopt(CURLOPT_FILE, \@body);
$curl->perform();

my $body=join("",@body);
my @lines = split("\n", $body);

foreach my $line (@lines) {
    my @fields = split(';', $line);
    print("\n---- Agent #" . $fields[0] . " ----");
    print("\nName: " . $fields[1]);
    print("\nIP: " . $fields[2]);
    print("\nDescription: " . $fields[3]);
    print("\nOS: " . $fields[4]);
    print("\n");
}
}
```

## Ruby

```
require 'open-uri'

ip = '192.168.70.110'
pandora_url = '/pandora5'
apipass = '1234'
user = 'admin'
password = 'pandora'
op = 'get'
op2 = 'all_agents'
return_type = 'csv'
other = ''
other_mode = ''

url = "http://" + ip + pandora_url + "/include/api.php"

url += "?"
url += "apipass=" + apipass
url += "&user=" + user
url += "&pass=" + password
url += "&op=" + op
url += "&op2=" + op2

agents = []

open(url) do |content|
    content.each do |line|
        agent = {}
        tokens = line.split(";")
        agent[:id_agent] = tokens[0]
```

```
        agent[:name] = tokens[1]
        agent[:ip] = tokens[2]
        agent[:description] = tokens[3]
        agent[:os_name] = tokens[4]
        agent[:url_address] = tokens[5]
        agents.push agent
    end
end

agents.each do |agent|
    print("---- Agent #" + (agent[:id_agent] || "") + " ----\n")
    print("Name: " + (agent[:name] || "") + "\n")
    print("IP: " + (agent[:ip] || "") + "\n")
    print("Description: " + (agent[:description] || "") + "\n")
    print("OS: " + (agent[:os_name] || "") + "\n")
    print("URL: " + (agent[:url_address] || "") + "\n")
    print("\n")
end
```

## Lua

```
require("curl")

local content = ""

function WriteMemoryCallback(s)
    content = content .. s
    return string.len(s)
end

ip = '192.168.70.110'
pandora_url = '/pandora5'
apipass = '1234'
user = 'admin'
password = 'pandora'
op = 'get'
op2 = 'all_agents'
return_type = 'csv'
other = ''
other_mode = ''

url = "http://" .. ip .. pandora_url .. "/include/api.php"

url = url .. "?"
url = url .. "apipass=" .. apipass
url = url .. "&user=" .. user
url = url .. "&pass=" .. password
```

```

url = url .. "&op=" .. op
url = url .. "&op2=" .. op2

if curl.new then c = curl.new() else c = curl.easy_init() end

c:setopt(curl.OPT_URL, url)
c:setopt(curl.OPT_WRITEFUNCTION, WriteMemoryCallback)

c:perform()

for line in string.gmatch(content, "[^\n]+") do
  line = string.gsub(line, "\n", "")
  count = 0
  for field in string.gmatch(line, "[^\;]+") do
    if count == 0 then
      print("---- Agent #" .. field .. " ----")
    end
    if count == 1 then
      print("Name: " .. field)
    end
    if count == 2 then
      print("IP: " .. field)
    end
    if count == 3 then
      print("Description: " .. field)
    end
    if count == 4 then
      print("OS: " .. field)
    end
    if count == 5 then
      print("URL: " .. field)
    end
    count = count + 1
  end
end
print("")
end

```

### Brainfuck

```

[-]>[-]<
>+++++++[<+++++++>-]<- .
>+++++[<++++>-]<---- .
>++++[<++++>-]<--- .
>++++[<---->-]<++.
>+++[<+++>-]<++.
- .
>+++++++[<----->-]<-- .
>+++[<--->-]<--- .
>+++++++[<+++++++>-]<++++.
+.

```

```
>+++++++ [ <----->- ] <----- .
>+++++++ [ <+++++++>- ] <----- .
++ .
-- .
>+++ [ <--->- ] <+ .
>+++ [ <+++>- ] < .
>++ [ <++>- ] <+ .
>++ [ <-->- ] <- .
>+++++++ [ <----->- ] <+ .
>+++++++ [ <+++++++>- ] <----- .
+ .
>+++++++ [ <----->- ] <+ .
>+++++++ [ <+++++++>- ] <+ .
>++++ [ <----->- ] <+ .
>+++ [ <+++>- ] < .
>+++ [ <--->- ] <+ .
>+++ [ <+++>- ] <- .
>+++++++ [ <----->- ] <+ .
>+++++++ [ <+++++++>- ] <+ .
>+++ [ <--->- ] <----- .
----- .
>+++ [ <+++>- ] <- .
+++ .
- .
>+++++++ [ <----->- ] <+ .
>+++++++ [ <+++++++>- ] <- .
>++++ [ <----->- ] <+ .
>++++ [ <++++>- ] <+ .
>++++ [ <----->- ] <- .
>+++++++ [ <----->- ] <- .
>+++++++ [ <+++++++>- ] <+++++ .
>+++ [ <--->- ] <+ .
++ .
++ .
>++++ [ <++++>- ] <----- .
>++ [ <-->- ] <----- .
+++ .
>+++++++ [ <----->- ] <----- .
>+++ [ <--->- ] <----- .
>+++++++ [ <+++++++>- ] <- .
>+++ [ <--->- ] <----- .
>++++ [ <++++>- ] <----- .
----- .
>+++++++ [ <----->- ] <+ .
>+++++++ [ <+++++++>- ] <+++++ .
>++++ [ <----->- ] <+++++ .
>+++ [ <+++>- ] <+ .
>+++ [ <--->- ] <+ .
>+++++++ [ <----->- ] <----- .
>+++++++ [ <+++++++>- ] <----- .
```

```

>+++[<+++>- ]<- .
>++++[<---->- ]<-- .
>++[<++>- ]<+.
>+++[<+++>- ]<-- .
++++.
>+++++++[<----->- ]<-- .
>+++++++[<+++++++>- ]<+++++.
>+++[<+++>- ]<++++.
>+++[<--->- ]<.
++.
--.
>+++[<+++>- ]<-- .
>++[<++>- ]<+.
>+++[<--->- ]<++.
>++[<++>- ]<++.
>++[<--->- ]<-- .
++++.
>+++++++[<----->- ]<----- .

```

## Java (Android)

See our project (Pandora FMS Event Viewer) in [Pandroid FMS Event Viewer source code in SourceForge SVN repository](#) but this is the most important piece of code, which calls the API to get event data.

```

/**
 * Performs an http get petition.
 *
 * @param context
 *         Application context.
 * @param additionalParameters
 *         Petition additional parameters
 * @return Petition result.
 * @throws IOException
 *         If there is any problem with the connection.
 */
public static String httpGet(Context context,
    List<NameValuePair> additionalParameters) throws IOException {
    SharedPreferences preferences = context.getSharedPreferences(
        context.getString(R.string.const_string_preferences),
        Activity.MODE_PRIVATE);

    String url = preferences.getString("url", "") + "/include/api.php";
    String user = preferences.getString("user", "");
    String password = preferences.getString("password", "");
    String apiPassword = preferences.getString("api_password", "");
    if (url.length() == 0 || user.length() == 0) {
        return "";
    }
    ArrayList<NameValuePair> parameters = new

```

```
ArrayList<NameValuePair>();
    parameters.add(new BasicNameValuePair("user", user));
    parameters.add(new BasicNameValuePair("pass", password));
    if (apiPassword.length() > 0) {
        parameters.add(new BasicNameValuePair("apipass", apiPassword));
    }
    parameters.addAll(additionalParameters);
    Log.i(TAG, "sent: " + url);
    if (url.toLowerCase().contains("https")) {
        // Secure connection
        return Core.httpsGet(url, parameters);
    } else {
        HttpParams params = new BasicHttpParams();
        HttpConnectionParams.setConnectionTimeout(params,
            CONNECTION_TIMEOUT);
        HttpConnectionParams.setSoTimeout(params, CONNECTION_TIMEOUT);
        DefaultHttpClient httpClient = new DefaultHttpClient(params);
        UrlEncodedFormEntity entity;
        HttpPost httpPost;
        HttpResponse response;
        HttpEntity entityResponse;
        String return_api;
        httpPost = new HttpPost(url);
        entity = new UrlEncodedFormEntity(parameters);
        httpPost.setEntity(entity);
        response = httpClient.execute(httpPost);
        entityResponse = response.getEntity();
        return_api = Core
            .convertStreamToString(entityResponse.getContent());
        Log.i(TAG, "received: " + return_api);
        return return_api;
    }
}
```

## Future of API.php

Some ideas for the future of api.php are:

- Broading the API call ensemble.
- Returning and getting values in xml, JSON...
- Increasing security call for insecure environments.
- Integration with third tool standards.

[Go back to Pandora FMS documentation index](#)



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