

# usermacro.get

## Description

integer/array usermacro.get(object **parameters**)

The method allows to retrieve host and global macros according to the given parameters.

## Parameters

(object) Parameters defining the desired output.

The method supports the following parameters.

Parameter	Type	Description
globalmacro	flag	Return global macros instead of host macros.
globalmacroids	string/array	Return only global macros with the given IDs.
groupids	string/array	Return only host macros that belong to hosts or templates from the given host groups.
hostids	string/array	Return only host macros that belong to the given hosts.
hostmacroids	string/array	Return only host macros with the given IDs.
templateids	string/array	Return only host macros that belong to the given templates.
selectGroups	query	Return host groups that the host macro belongs to in the groups property. Used only when retrieving host macros.
selectHosts	query	Return hosts that the host macro belongs to in the hosts property. Used only when retrieving host macros.
selectTemplates	query	Return templates that the host macro belongs to in the templates property. Used only when retrieving host macros.
sortfield	string/array	Sort the result by the given properties. Possible value: macro.

Parameter	Type	Description
countOutput	flag	These parameters being common for all get methods are described in detail in the <a href="#">reference commentary</a> page.
editable	boolean	
excludeSearch	flag	
filter	object	
limit	integer	
output	query	
preservekeys	flag	
search	object	
searchByAny	boolean	
searchWildcardsEnabled	boolean	
sortorder	string/array	
startSearch	flag	

## Return values

(integer/array) Returns either:

- an array of objects;
- the count of retrieved objects, if the countOutput parameter has been used.

## Examples

### Retrieving host macros for a host

Retrieve all host macros defined for host "10198".

Request:

```
{
  "jsonrpc": "2.0",
  "method": "usermacro.get",
  "params": {
    "output": "extend",
    "hostids": "10198"
  },
  "auth": "038e1d7b1735c6a5436ee9eae095879e",
  "id": 1
}
```

Response:

```
{
  "jsonrpc": "2.0",
  "result": [
    {
```

```
    "hostmacroid": "9",
    "hostid": "10198",
    "macro": "${INTERFACE}",
    "value": "eth0"
  },
  {
    "hostmacroid": "11",
    "hostid": "10198",
    "macro": "${SNMP_COMMUNITY}",
    "value": "public"
  }
],
"id": 1
}
```

## Retrieving global macros

Retrieve all global macros.

Request:

```
{
  "jsonrpc": "2.0",
  "method": "usermacro.get",
  "params": {
    "output": "extend",
    "globalmacro": true
  },
  "auth": "038e1d7b1735c6a5436ee9eae095879e",
  "id": 1
}
```

Response:

```
{
  "jsonrpc": "2.0",
  "result": [
    {
      "globalmacroid": "6",
      "macro": "${SNMP_COMMUNITY}",
      "value": "public"
    }
  ],
  "id": 1
}
```

## Source

CUserMacro::get() in *frontends/php/include/classes/api/services/CUserMacro.php*.

From:

<https://www.zabbix.com/documentation/2.4/> - **Zabbix Documentation 2.4**

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<https://www.zabbix.com/documentation/2.4/manual/api/reference/usermacro/get>

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