

itemprototype.get

Description

integer/array `itemprototype.get(object parameters)`

The method allows to retrieve item prototypes according to the given parameters.

Parameters

(object) Parameters defining the desired output.

The method supports the following parameters.

Parameter	Type	Description
discoveryids	string/array	Return only item prototypes that belong to the given LLD rules.
graphids	string/array	Return only item prototypes that are used in the given graph prototypes.
hostids	string/array	Return only item prototypes that belong to the given hosts.
inherited	boolean	If set to <code>true</code> return only item prototypes inherited from a template.
itemids	string/array	Return only item prototypes with the given IDs.
monitored	boolean	If set to <code>true</code> return only enabled item prototypes that belong to monitored hosts.
templated	boolean	If set to <code>true</code> return only item prototypes that belong to templates.
templateids	string/array	Return only item prototypes that belong to the given templates.
triggerids	string/array	Return only item prototypes that are used in the given trigger prototypes.
selectApplications	query	Return applications that the item prototype belongs to in the <code>applications</code> property.
selectDiscoveryRule	query	Return the low-level discovery rule that the graph prototype belongs to in the <code>discoveryRule</code> property.
selectGraphs	query	Return graph prototypes that the item prototype is used in in the <code>graphs</code> property. Supports count.
selectHosts	query	Returns the host that the item prototype belongs to as an array in the <code>hosts</code> property.
selectTriggers	query	Return trigger prototypes that the item prototype is used in in the <code>triggers</code> property. Supports count.

Parameter	Type	Description
filter	object	Return only those results that exactly match the given filter. Accepts an array, where the keys are property names, and the values are either a single value or an array of values to match against. Supports additional filters: host - technical name of the host that the item prototype belongs to.
limitSelects	integer	Limits the number of records returned by subselects. Applies to the following subselects: selectGraphs - results will be sorted by name; selectTriggers - results will be sorted by description.
sortfield	string/array	Sort the result by the given properties. Possible values are: itemid, name, key_, delay, type and status.
countOutput	flag	These parameters being common for all get methods are described in detail in the reference commentary .
editable	boolean	
excludeSearch	flag	
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 item prototypes from an LLD rule

Retrieve all item prototypes from an LLD rule.

Request:

```
{  
  "jsonrpc": "2.0",
```

```
"method": "itemprototype.get",
"params": {
  "output": "extend",
  "discoveryids": "27426"
},
"auth": "038e1d7b1735c6a5436ee9eae095879e",
"id": 1
}
```

Response:

```
{
  "jsonrpc": "2.0",
  "result": [
    {
      "itemid": "27427",
      "type": "0",
      "snmp_community": "",
      "snmp_oid": "",
      "hostid": "10202",
      "name": "Incoming network traffic on $1 23",
      "key_": "2net.if.in[#{#IFNAME}]",
      "delay": "60",
      "history": "7",
      "trends": "365",
      "status": "0",
      "value_type": "3",
      "trapper_hosts": "",
      "units": "bps",
      "multiplier": "1",
      "delta": "1",
      "snmpv3_securityname": "",
      "snmpv3_securitylevel": "0",
      "snmpv3_authpassphrase": "",
      "snmpv3_privpassphrase": "",
      "formula": "8",
      "logtimefmt": "",
      "templateid": "23881",
      "valuemapid": "0",
      "delay_flex": "",
      "params": "",
      "ipmi_sensor": "",
      "data_type": "0",
      "authtype": "0",
      "username": "",
      "password": "",
      "publickey": "",
      "privatekey": "",
      "mtime": "0",
      "filter": ""
    }
  ]
}
```

```
    "interfaceid": "119",
    "port": "",
    "description": "",
    "snmpv3_authprotocol": "0",
    "snmpv3_privprotocol": "0"
  },
  {
    "itemid": "27428",
    "type": "0",
    "snmp_community": "",
    "snmp_oid": "",
    "hostid": "10202",
    "name": "Incoming network traffic on $1",
    "key_": "net.if.in[#{IFNAME}]",
    "delay": "60",
    "history": "7",
    "trends": "365",
    "status": "0",
    "value_type": "3",
    "trapper_hosts": "",
    "units": "bps",
    "multiplier": "1",
    "delta": "1",
    "snmpv3_securityname": "",
    "snmpv3_securitylevel": "0",
    "snmpv3_authpassphrase": "",
    "snmpv3_privpassphrase": "",
    "formula": "8",
    "logtimefmt": "",
    "templateid": "22446",
    "valuemapid": "0",
    "delay_flex": "",
    "params": "",
    "ipmi_sensor": "",
    "data_type": "0",
    "authtype": "0",
    "username": "",
    "password": "",
    "publickey": "",
    "privatekey": "",
    "mtime": "0",
    "filter": "",
    "interfaceid": "119",
    "port": "",
    "description": "",
    "snmpv3_authprotocol": "0",
    "snmpv3_privprotocol": "0"
  }
],
"id": 1
```

}

See also

- [Application](#)
- [Host](#)
- [Graph prototype](#)
- [Trigger prototype](#)

Source

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

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