

event.get

Description

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

The method allows to retrieve events according to the given parameters.

Parameters

(object) Parameters defining the desired output.

The method supports the following parameters.

Parameter	Type	Description
eventids	string/array	Return only events with the given IDs.
groupids	string/array	Return only events created by triggers that belong to the given host groups.
hostids	string/array	Return only events created by triggers that belong to the given hosts.
triggerids	string/array	Return only events that have been created by the given triggers.
object	integer	Return only events created by objects of the given type. Refer to the event object page for a list of supported object types.
source	integer	Return only events with the given type. Refer to the event object page for a list of supported event types.
acknowledged	boolean	If set to true return only acknowledged events.
value	integer/array	Return only events with the given values.
time_from	timestamp	Return only events that have been created after or at the given time.
time_till	timestamp	Return only events that have been created before or at the given time.
eventid_from	string	Return only events with IDs greater or equal to the given ID.
eventid_till	string	Return only events with IDs less or equal to the given ID.
selectHosts	query	Return hosts containing the trigger that created the event in the hosts property. Does not support shorten or arrays of properties.
selectItems	query	Return items contained in the trigger that created the event in the items property. Does not support shorten or arrays of properties.

Parameter	Type	Description
selectTriggers	query	Return the trigger that created the event as an array in the triggers property. Does not support shorten or arrays of properties.
select_alerts	query	Return alerts generated by the event in the alerts property. Alerts are sorted in reverse chronological order. Does not support shorten or arrays of properties.
select_acknowledges	query	Return event's acknowledges in the acknowledges property. Acknowledges are sorted in reverse chronological order. The event acknowledgement object has the following properties: acknowledgeid - (string) acknowledgement's ID; userid - (string) ID of the user that acknowledged the event; eventid - (string) ID of the acknowledged event; clock - (timestamp) time when the event was acknowledged; message - (string) text of the acknowledgement message; alias - (string) alias of the user that acknowledged the event. Supports count; does not support shorten or arrays of properties.
sortfield	string/array	Sort the result by the given properties. Possible values are: eventid, object and objectid.
countOutput	flag	These parameters being common for all get methods are described in detail on the Generic Zabbix API information page.
editable	boolean	
excludeSearch	flag	
filter	object	
limit	integer	
nodeids	string/array	
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 trigger events

Retrieve the latest events from trigger "13926."

Request:

```
{
  "jsonrpc": "2.0",
  "method": "event.get",
  "params": {
    "output": "extend",
    "select_acknowledges": "extend",
    "triggerids": "13926",
    "sortfield": "eventid",
    "sortorder": "DESC"
  },
  "auth": "038e1d7b1735c6a5436ee9eae095879e",
  "id": 1
}
```

Response:

```
{
  "jsonrpc": "2.0",
  "result": [
    {
      "acknowledges": [
        {
          "acknowledgeid": "1",
          "userid": "1",
          "eventid": "9695",
          "clock": "1350640590",
          "message": "Problem resolved.\n\n----[BULK ACKNOWLEDGE]-\n----",
          "alias": "Admin"
        }
      ],
      "eventid": "9695",
      "source": "0",
      "object": "0",
      "objectid": "13926",
      "clock": "1347970410",
      "value": "1",
      "acknowledged": "1",
      "ns": "413316245",
      "value_changed": "1"
    }
  ],
}
```

```
{
  "acknowledges": [],
  "eventid": "9671",
  "source": "0",
  "object": "0",
  "objectid": "13926",
  "clock": "1347970347",
  "value": "2",
  "acknowledged": "0",
  "ns": "0",
  "value_changed": "0"
},
"id": 1
}
```

Retrieving events by time period

Retrieve all events that have been created between October 9 and 10, 2012, in reverse chronological order.

Request:

```
{
  "jsonrpc": "2.0",
  "method": "event.get",
  "params": {
    "output": "extend",
    "time_from": "1349797228",
    "time_till": "1350661228",
    "sortfield": "eventid",
    "sortorder": "desc"
  },
  "auth": "038e1d7b1735c6a5436ee9eae095879e",
  "id": 1
}
```

Response:

```
{
  "jsonrpc": "2.0",
  "result": [
    {
      "eventid": "20616",
      "source": "0",
      "object": "0",
      "objectid": "14282",
      "clock": "1350477814",
      "value": "2",

```

```
        "acknowledged": "0",
        "ns": "0",
        "value_changed": "0"
    },
    {
        "eventid": "20617",
        "source": "0",
        "object": "0",
        "objectid": "14283",
        "clock": "1350477814",
        "value": "2",
        "acknowledged": "0",
        "ns": "0",
        "value_changed": "0"
    },
    {
        "eventid": "20618",
        "source": "0",
        "object": "0",
        "objectid": "14284",
        "clock": "1350477815",
        "value": "2",
        "acknowledged": "0",
        "ns": "0",
        "value_changed": "0"
    }
],
"id": 1
}
```

See also

- [Alert](#)
- [Item](#)
- [Host](#)
- [Trigger](#)

Source

CEvent::get() in *frontends/php/api/classes/CEvent.php*.

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<https://www.zabbix.com/documentation/2.0/> - **Zabbix Documentation 2.0**

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