

# graphitem.get

## Description

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

The method allows to retrieve graph items according to the given parameters.

## Parameters

(object) Parameters defining the desired output.

The method supports the following parameters.

Parameter	Type	Description
gitemids	string/array	Return only graph items with the given IDs.
graphids	string/array	Return only graph items that belong to the given graphs.
itemids	string/array	Return only graph items with the given item IDs.
type	integer	Return only graph items with the given type. Refer to the <a href="#">graph item object page</a> for a list of supported graph item types.
selectGraphs	query	Return the graph that the item belongs to as an array in the <code>graphs</code> property.
sortfield	string/array	Sort the result by the given properties. Possible values are: <code>gitemid</code> .
countOutput	boolean	These parameters being common for all get methods are described in detail in the <a href="#">reference commentary</a> page.
editable	boolean	
limit	integer	
output	query	
preservekeys	boolean	
sortorder	string/array	

## Return values

(integer/array) Returns either:

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

## Examples

### Retrieving graph items from a graph

Retrieve all graph items used in a graph with additional information about the item and the host.

Request:

```
{
  "jsonrpc": "2.0",
  "method": "graphitem.get",
  "params": {
    "output": "extend",
    "graphids": "387"
  },
  "auth": "038e1d7b1735c6a5436ee9eae095879e",
  "id": 1
}
```

Response:

```
{
  "jsonrpc": "2.0",
  "result": [
    {
      "gitemid": "1242",
      "graphid": "387",
      "itemid": "22665",
      "drawtype": "1",
      "sortorder": "1",
      "color": "FF5555",
      "yaxisside": "0",
      "calc_fnc": "2",
      "type": "0",
      "key_": "system.cpu.util[,steal]",
      "hostid": "10001",
      "flags": "0",
      "host": "Template OS Linux"
    },
    {
      "gitemid": "1243",
      "graphid": "387",
      "itemid": "22668",
      "drawtype": "1",
      "sortorder": "2",
      "color": "55FF55",
      "yaxisside": "0",
      "calc_fnc": "2",
      "type": "0",
      "key_": "system.cpu.util[,softirq]",
      "hostid": "10001",
      "flags": "0",
      "host": "Template OS Linux"
    }
  ],
}
```

```
{
    "gitemid": "1244",
    "graphid": "387",
    "itemid": "22671",
    "drawtype": "1",
    "sortorder": "3",
    "color": "009999",
    "yaxisside": "0",
    "calc_fnc": "2",
    "type": "0",
    "key_": "system.cpu.util[,interrupt]",
    "hostid": "10001",
    "flags": "0",
    "host": "Template OS Linux"
},
{id": 1
}
```

## See also

- [Graph](#)

## Source

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

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