

# action.get

## Description

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

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

## Parameters

(object) Parameters defining the desired output.

The method supports the following parameters.

Parameter	Type	Description
actionids	string/array	Return only actions with the given IDs.
groupids	string/array	Return only actions that use the given host groups in action conditions.
hostids	string/array	Return only actions that use the given hosts in action conditions.
triggerids	string/array	Return only actions that use the given triggers in action conditions.
mediatypeids	string/array	Return only actions that use the given media types to send messages.
usrgrpids	string/array	Return only actions that are configured to send messages to the given user groups.
userids	string/array	Return only actions that are configured to send messages to the given users.
scriptids	string/array	Return only actions that are configured to run the given scripts.
selectFilter	query	Returns the action filter in the <code>filter</code> property.
selectOperations	query	Return action operations in the <code>operations</code> property.
selectRecoveryOperations	query	Return action recovery operations in the <code>recoveryOperations</code> property.
selectAcknowledgeOperations	query	Return action acknowledge operations in the <code>acknowledgeOperations</code> property.
sortfield	string/array	Sort the result by the given properties. Possible values are: <code>actionid</code> , <code>name</code> and <code>status</code> .

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

## Return values

(integer/array) Returns either:

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

## Examples

### Retrieve discovery actions

Retrieve all configured discovery actions together with action conditions and operations. The filter uses the “and” evaluation type, so the formula property is empty and eval\_formula is generated automatically.

Request:

```
{
  "jsonrpc": "2.0",
  "method": "action.get",
  "params": {
    "output": "extend",
    "selectOperations": "extend",
    "selectRecoveryOperations": "extend",
    "selectFilter": "extend",
    "filter": {
      "eventsource": 1
    }
  },
  "auth": "038e1d7b1735c6a5436ee9eae095879e",
  "id": 1
}
```

Response:

```
{
  "jsonrpc": "2.0",
  "result": [
    {
      "actionid": "2",
      "name": "Auto discovery. Linux servers.",
      "eventsourced": "1",
      "status": "1",
      "esc_period": "0s",
      "def_shortdata": "",
      "def_longdata": "",
      "r_shortdata": "",
      "r_longdata": "",
      "pause_suppressed": "1",
      "filter": {
        "evaltype": "0",
        "formula": "",
        "conditions": [
          {
            "conditiontype": "10",
            "operator": "0",
            "value": "0",
            "value2": "",
            "formulaid": "B"
          },
          {
            "conditiontype": "8",
            "operator": "0",
            "value": "9",
            "value2": "",
            "formulaid": "C"
          },
          {
            "conditiontype": "12",
            "operator": "2",
            "value": "Linux",
            "value2": "",
            "formulaid": "A"
          }
        ]
      },
      "eval_formula": "A and B and C"
    },
    {
      "operations": [
        {
          "operationid": "1",
          "actionid": "2",
          "operationtype": "6",
          "esc_period": "0s",
          "esc_step_from": "1",

```

```

        "esc_step_to": "1",
        "evaltype": "0",
        "opconditions": [],
        "optemplate": [
            {
                "operationid": "1",
                "templateid": "10001"
            }
        ]
    },
    {
        "operationid": "2",
        "actionid": "2",
        "operationtype": "4",
        "esc_period": "0s",
        "esc_step_from": "1",
        "esc_step_to": "1",
        "evaltype": "0",
        "opconditions": [],
        "opgroup": [
            {
                "operationid": "2",
                "groupid": "2"
            }
        ]
    }
],
"recoveryOperations": [
    {
        "operationid": "585",
        "actionid": "2",
        "operationtype": "11",
        "evaltype": "0",
        "opconditions": [],
        "opmessage": {
            "operationid": "585",
            "default_msg": "1",
            "subject": "{TRIGGER.STATUS}: {TRIGGER.NAME}",
            "message": "Trigger: {TRIGGER.NAME}\r\nTrigger
status: {TRIGGER.STATUS}\r\nTrigger severity: {TRIGGER.SEVERITY}\r\nTrigger
URL: {TRIGGER.URL}\r\n\r\nItem values:\r\n\r\n1. {ITEM.NAME1}
({HOST.NAME1}:{ITEM.KEY1}): {ITEM.VALUE1}\r\n2. {ITEM.NAME2}
({HOST.NAME2}:{ITEM.KEY2}): {ITEM.VALUE2}\r\n3. {ITEM.NAME3}
({HOST.NAME3}:{ITEM.KEY3}): {ITEM.VALUE3}\r\n\r\n0original event ID:
{EVENT.ID}",
            "mediatypeid": "0"
        }
    }
],
"acknowledgeOperations": [
    {

```

```

        "operationid": "585",
        "operationtype": "12",
        "evaltype": "0",
        "opmessage": {
            "default_msg": "1",
            "subject": "Acknowledged: {TRIGGER.NAME}",
            "message": "{USER.FULLNAME} acknowledged problem at
{ACK.DATE} {ACK.TIME} with the following
message:\r\n{ACK.MESSAGE}\r\n\r\nCurrent problem status is {EVENT.STATUS}",
            "mediatypeid": "0"
        }
    },
    {
        "operationid": "586",
        "operationtype": "0",
        "evaltype": "0",
        "opmessage": {
            "default_msg": "1",
            "subject": "Acknowledged: {TRIGGER.NAME}",
            "message": "{USER.FULLNAME} acknowledged problem at
{ACK.DATE} {ACK.TIME} with the following
message:\r\n{ACK.MESSAGE}\r\n\r\nCurrent problem status is {EVENT.STATUS}",
            "mediatypeid": "0"
        },
        "opmessage_grp": [
            {
                "usrgrpid": "7"
            }
        ],
        "opmessage_usr": []
    },
    {
        "operationid": "587",
        "operationtype": "1",
        "evaltype": "0",
        "opcommand": {
            "type": "0",
            "scriptid": "0",
            "execute_on": "0",
            "port": "",
            "authtype": "0",
            "username": "",
            "password": "",
            "publickey": "",
            "privatekey": "",
            "command": "notify.sh"
        },
        "opcommand_hst": [
            {
                "hostid": "0"
            }
        ]
    }

```

```
    ],  
    "opcommand_grp": []  
  }  
]  
},  
"id": 1  
}
```

## See also

- [Action filter](#)
- [Action operation](#)

## Source

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

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<https://www.zabbix.com/documentation/4.2/> - **Zabbix Documentation 4.2**

Permanent link:

<https://www.zabbix.com/documentation/4.2/manual/api/reference/action/get>

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