

7 Discovery of host interfaces in Zabbix

Overview

It is possible to [discover](#) all interfaces configured in Zabbix frontend for a host.

Item key

The item to use in the [discovery rule](#) is the

```
zabbix[host,discovery,interfaces]
```

internal item. This item is supported since Zabbix server 3.4.

This item returns a JSON with the description of interfaces, including:

- IP address/DNS hostname (depending on the “Connect to” host setting)
- Port number
- Interface type (Zabbix agent, SNMP, JMX, IPMI)
- If it is the default interface or not
- If the bulk request feature is enabled - for SNMP interfaces only.

For example:

```
{"data": [{"#IF.CONN": "192.168.3.1", "#IF.IP": "192.168.3.1", "#IF.DNS": "", "#IF.PORT": "10050", "#IF.TYPE": "AGENT", "#IF.DEFAULT": 1}]}
```

With multiple interfaces their records in JSON are ordered by:

- Interface type,
- Default - the default interface is put before non-default interfaces,
- Interface ID (in ascending order).

Supported macros

The following macros are supported for use in the discovery rule [filter](#) and prototypes of items, triggers and graphs:

Macro	Description
{#IF.CONN}	Interface IP address or DNS host name.
{#IF.IP}	Interface IP address.
{#IF.DNS}	Interface DNS host name.
{#IF.PORT}	Interface port number.
{#IF.TYPE}	Interface type (“AGENT”, “SNMP”, “JMX”, or “IPMI”).
{#IF.DEFAULT}	Default status for the interface: 0 - not default interface 1 - default interface

Macro	Description
{#IF.SNMP.BULK}	SNMP bulk processing status for the interface: 0 - disabled 1 - enabled This macro is returned only if interface type is "SNMP".

From: <https://www.zabbix.com/documentation/4.0/> - **Zabbix Documentation 4.0**

Permanent link: https://www.zabbix.com/documentation/4.0/manual/discovery/low_level_discovery/host_interfaces

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