

7 在Zabbix中发现主机接口

概述

可以[发现](#)主机的Zabbix前端中配置的所有接口。

键值

在 [发现规则](#) 中使用的监控项是

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

内部监控项。此监控项从Zabbix server 3.4开始支持。

此监控项反馈一个带有接口描述的JSON[]包括:

- IP地址/DNS主机名称 (depending on the “Connect to” host setting)
- 端口号
- 接口类型 (Zabbix agent, SNMP, JMX, IPMI)
- 此接口是否为默认接口
- 是否启用了批量请求功能 - 仅适用于SNMP接口

例如:

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

使用多个接口，它们在JSON中的记录按以下顺序排序:

- 接口类型,
- 默认 - 默认接口放在默认接口之前,
- 接口ID (升序排列).

支持宏

支持在发现规则[过滤器](#)，以及监控项，触发器和图表原型中使用以下宏:

宏	描述
{#IF.CONN}	接口IP地址或DNS主机名称
{#IF.IP}	接口IP地址
{#IF.DNS}	接口DNS主机名称
{#IF.PORT}	接口端口号
{#IF.TYPE}	接口类型 (“AGENT”, “SNMP”, “JMX”, or “IPMI”).
{#IF.DEFAULT}	接口默认状态: 0 - 非默认接口 1 - 默认接口

宏	描述
{#IF.SNMP.BULK}	接口的SNMP批量处理状态: 0 - 禁用 1 - 启用 仅当接口类型为“SNMP”时才反馈此宏。

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.

Macro	Description
{#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
{#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/zh/manual/discovery/low_level_discovery/host_interfaces

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