

10 Discovery of block devices

In a similar way as [file systems](#) are discovered, it is possible to also discover block devices and their type.

Item key

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

```
vfs.dev.discovery
```

This item is supported on Linux platforms only, since Zabbix agent 4.4.

You may create discovery rules using this discovery item and:

- filter: **{#DEVNAME} matches sd[\D]\$** - to discover devices named "sd0", "sd1", "sd2", ...
- filter: **{#DEVTYPE} matches disk AND {#DEVNAME} does not match ^loop.*** - to discover disk type devices whose name does not start with "loop"

Supported macros

This discovery key returns two macros - {#DEVNAME} and {#DEVTYPE} identifying the block device name and type respectively, e.g.:

```
[
  {
    "{#DEVNAME}": "loop1",
    "{#DEVTYPE}": "disk"
  },
  {
    "{#DEVNAME}": "dm-0",
    "{#DEVTYPE}": "disk"
  },
  {
    "{#DEVNAME}": "sda",
    "{#DEVTYPE}": "disk"
  },
  {
    "{#DEVNAME}": "sda1",
    "{#DEVTYPE}": "partition"
  }
]
```

Block device discovery allows to use `vfs.dev.read[]` and `vfs.dev.write[]` items to create item prototypes using the {#DEVNAME} macro, for example:

- "vfs.dev.read[{#DEVNAME},sps]"
- "vfs.dev.write[{#DEVNAME},sps]"

{#DEVTYPE} is intended for device filtering.

From:

<https://www.zabbix.com/documentation/4.4/> - **Zabbix Documentation 4.4**

Permanent link:

https://www.zabbix.com/documentation/4.4/manual/discovery/low_level_discovery/devices

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