

ZABBIX PLUGIN

The Zabbix plugin actively sends information to a Zabbix server like:

- Ceph status
- I/O operations
- I/O bandwidth
- OSD status
- Storage utilization

REQUIREMENTS

The plugin requires that the *zabbix_sender* executable is present on *all* machines running ceph-mgr. It can be installed on most distributions using the package manager.

DEPENDENCIES

Installing *zabbix_sender* can be done under Ubuntu or CentOS using either apt or dnf.

On Ubuntu Xenial:

```
apt install zabbix-agent
```

On Fedora:

```
dnf install zabbix-sender
```

ENABLING

You can enable the *zabbix* module with:

```
ceph mgr module enable zabbix
```

CONFIGURATION

Two configuration keys are vital for the module to work:

- *zabbix_host*
- *identifier* (optional)

The parameter *zabbix_host* controls the hostname of the Zabbix server to which *zabbix_sender* will send the items. This can be a IP-Address if required by your installation.

The *identifier* parameter controls the identifier/hostname to use as source when sending items to Zabbix. This should match the name of the *Host* in your Zabbix server.

When the *identifier* parameter is not configured the ceph-*<fsid>* of the cluster will be used when sending data to Zabbix.

This would for example be *ceph-c4d32a99-9e80-490f-bd3a-1d22d8a7d354*

Additional configuration keys which can be configured and their default values:

- *zabbix_port*: 10051
- *zabbix_sender*: /usr/bin/zabbix_sender
- *interval*: 60

CONFIGURATION KEYS

Configuration keys can be set on any machine with the proper cephx credentials, these are usually Monitors where the *client.admin* key is present.

```
ceph zabbix config-set <key> <value>
```

For example:

```
ceph zabbix config-set zabbix_host zabbix.localdomain  
ceph zabbix config-set identifier ceph.eu-ams02.local
```

The current configuration of the module can also be shown:

```
ceph zabbix config-show
```

MANUALLY SENDING DATA

If needed the module can be asked to send data immediately instead of waiting for the interval.

This can be done with this command:

```
::  
ceph zabbix send
```

The module will now send its latest data to the Zabbix server.

DEBUGGING

Should you want to debug the Zabbix module increase the logging level for ceph-mgr and check the logs.

```
[mgr]  
debug mgr = 20
```

With logging set to debug for the manager the plugin will print various logging lines prefixed with *mgr[zabbix]* for easy filtering.