
domogik-plugin-diskfree

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Plugin diskfree

1.1 Purpose

The diskfree plugin is used to monitor the space (available, used, free) on filesystems.

1.2 Dependencies

There is no dependency.

1.3 Plugin configuration

There is no global configuration options for this plugin.

1.4 Create the domogik devices

1.4.1 Domogik device type : `diskfree.disk_usage`

2 parameters are needed for a domogik device creation:

Key	Type	Description
device	string	The path to monitor on the filesystem. Example : <i>/home</i>
interval	number	The time in minutes between each time the filesystem space is monitored

1.5 Start the plugin

You can now start the plugin (start button) and use the created domogik devices.

1.6 Set up your widgets on the user interface

You can now place the widgets of your devices features on the user interface.

Development informations

2.1 Timeout on sensors

The timeout is set to 0 for all sensors : as the interval between 2 checks is a global parameter, we can't set a proper default timeout. If needed, the timeout should be set manually by the user for this plugin.

2.2 How it the disk space data calculated ?

The plugin just use the `os.statvfs(path)` function.

2.3 xPL messages

2.3.1 xpl-stat

The **sensor.basic** message is used:

```
xpl-stat
{
  ...
}
sensor.basic
{
  type=<one of these values : total_space, free_space, used_space, percent_used>
  device=<path>
  current=<value>
}
```

2.3.2 xpl-trig

n/a

2.3.3 xpl-cmnd

n/a

Changelog

3.1 1.3

- Fix percent free sensor value
- Add an advanced page
- Fix tests related to other fixes

3.2 1.2, 1.1

- Minor updates linked to Domogik 0.4

3.3 1.0

- Adapt the plugin to Domogik 0.4

3.4 0.1

- Plugin creation