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# **domogik-plugin-diskfree**

***Release 1.0***

January 13, 2015



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## Plugin diskfree

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### 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.



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## Development informations

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### 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





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## Changelog

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### 3.1 1.2, 1.1

- Minor updates linked to Domogik 0.4

### 3.2 1.0

- Adapt the plugin to Domogik 0.4

### 3.3 0.1

- Plugin creation