d.velop

d.ecs monitor harddisk analyzer:
Administrator

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1. d.ecs monitor harddisk analyzer

1.1. Introduction

1.1.1. About the d.ecs monitor harddisk analyzer
With the help of d.ecs monitor harddisk analyzer you can have hard disks checked cyclically. The results are forwarded to the d.ecs monitor as the result of the check for analysis.

1.1.2. Prerequisites
This documentation is intended for system administrators who want to monitor their d.3 system with d.ecs monitor.

This documentation describes the installation and configuration of the d.ecs monitor harddisk analyzer.

1.2. Installation

1.2.1. Installation d.ecs monitor harddisk analyzer
There are different possibilities for the installation of a wrapper for d.ecs monitor.

Via d.ecs monitor

This application is automatically included in the scope of delivery of d.ecs monitor from version 1.6.0. You can install the application on the desired target computers via the monitoring components distribution. For more information about the installation, please refer to the d.ecs monitor documentation in the chapter **Wrapper**.

Manual installation

To install on the desired target computer, start the setup and follow the instructions.

> **Note**
>
> The Windows service for d.ecs monitor, d.ecs monitor agent and the d.ecs monitor wrappers must run under the account of a local system or an account with local administration rights.
>
> This is necessary because the Windows services provide web services that are bound to the hostname to enable operation in a d.ecs http gateway cluster.

1.2.2. Initial configuration per start parameter
The application offers the possibility to execute various commands by calling them with parameters. For example, the list of all available commands can be displayed using parameters `--help` or `/?`.

Example call in the Windows command prompt:

> **Note**
> ```
> C:\d3\d.ecs monitor d.3 gateway\bin> "d.ecs monitor d.3 gate-
> way.exe" --help
> ```

The most common use for using the command line parameters occurs when the application cannot be started successfully after installation because the connection to d.ecs http gateway could not be established. A message similar to the following one is visible in the log:

> **Note**
>
> "Unable to load d.ecs http gateway settings from http://local-host:6380/store/httpgateway/config "

In this case, two calls are necessary:

- "d.ecs monitor harddisk analyzer.exe" --setGatewayPassword <Passwort>
- "d.ecs monitor harddisk analyzer.exe" --configure System.BaseUri=<System-BaseUri>

With the first call the password for the connection to d.ecs http gateway is set. This password was set up during the installation of d.ecs http gateway. The second call configures the base URI. The base URI is the system-wide resolvable address of d.ecs http gateway and specifies the address at which the application registers.

1.3. Configuration

There are two ways to access the configuration page of d.ecs monitor hardisk analyzer.

- Open the URL https://<base address>/monwsq<Hostname>/config
- Via the **Linked Pages** of the d.ecs monitor harddisk analyzer object in the d.ecs monitor

The following illustration shows the main configuration page. On this page you get an overview of the currently configured hard disks to be checked.

Click on an entry of the list to open the detail view of the object to be checked.

The following figure shows the configuration of a hard disk to be checked in detail. You can adjust the configuration in this view.

The menu item **Hard disk type** allows you to select from the following types: **Automatic**, **SSD**, **HDD** and **Unknown**. The default hard disk thresholds change when the value is changed. The option **Unknown** removes the default thresholds.

By clicking on **Test current configuration** it is checked whether the hard disk can be analyzed.

1.3.1. Thresholds

You can adjust the threshold values of d.ecs monitor hardisk analyzer via the `appsettings` file in the installation directory.

```xml
<?xml version="1.0" encoding="utf-8"?>
<appSettings>
  <add key="SSDFileWriteErrorThreshold" value="" />
  <add key="SSDFileReadErrorThreshold" value="" />
  <add key="SSDFileCreateErrorThreshold" value="" />
  <add key="SSDFileDeleteErrorThreshold" value="" />
  <add key="SSDFileRenameErrorThreshold" value="" />

  <add key="SSDFileWriteWarningThreshold" value="200" />
  <add key="SSDFileReadWarningThreshold" value="320" />
  <add key="SSDFileCreateWarningThreshold" value="2" />
  <add key="SSDFileDeleteWarningThreshold" value="2" />
  <add key="SSDFileRenameWarningThreshold" value="2" />

  <add key="HDDFileWriteErrorThreshold" value="" />
  <add key="HDDFileReadErrorThreshold" value="" />
  <add key="HDDFileCreateErrorThreshold" value="" />
  <add key="HDDFileDeleteErrorThreshold" value="" />
  <add key="HDDFileRenameErrorThreshold" value="" />

  <add key="HDDFileWriteWarningThreshold" value="60" />
```

```
  <add key="HDDFileReadWarningThreshold" value="90" />
  <add key="HDDFileCreateWarningThreshold" value="3" />
  <add key="HDDFileDeleteWarningThreshold" value="3" />
  <add key="HDDFileRenameWarningThreshold" value="3" />

  <add key="NetworkFileWriteErrorThreshold" value="" />
  <add key="NetworkFileReadErrorThreshold" value="" />
  <add key="NetworkFileCreateErrorThreshold" value="" />
  <add key="NetworkFileDeleteErrorThreshold" value="" />
  <add key="NetworkFileRenameErrorThreshold" value="" />

  <add key="NetworkFileWriteWarningThreshold" value="20" />
  <add key="NetworkFileReadWarningThreshold" value="20" />
  <add key="NetworkFileCreateWarningThreshold" value="3" />
  <add key="NetworkFileDeleteWarningThreshold" value="3" />
  <add key="NetworkFileRenameWarningThreshold" value="4" />
</appSettings>
```

To change the corresponding values, you must adjust the value **Attribute** of the respective node.

1.4. Additional information sources and imprint

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