

d.veLop

d.ecs monitor for d.3 repositories:
Administrator

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1. d.ecs monitor for d.3 repositories

1.1. Basic information on the application and the manual

This documentation is addressed to 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 for d.3 repositories.

1.1.1. About d.ecs monitor for d.3 repositories

With the help of d.ecs monitor for d.3 repositories you can have the d.3 repositories of your d.3ecm system checked cyclically based on configurable use cases.

The results of the checks are then forwarded to d.ecs monitor, where they can be evaluated.

1.2. Installation and uninstallation

1.2.1. Additional system requirements

For this application to be able to set up evaluations, one of the following applications must be available in the d.3 system via d.ecs http gateway:

- DMS app (part of d.3one)
- dmsdocs app (part of d.3 server; at least version Current 2020.05)

1.2.2. Installing d.ecs monitor for d.3 repositories

Installing a wrapper

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.

1.2.3. Enabling the default port for d.ecs monitor for d.3 repositories

A port must be enabled for this application. This port is used to access the web interface via d.ecs http gateway.

A random port is selected if you do not specify a fixed port within the configuration.

For more information on individual configuration, refer to the chapter [Configuring d.ecs monitor for d.3 repositories](#).

1.3. Configuring d.ecs monitor for d.3 repositories

You can use a configuration file to make general settings for the application. The configuration file is located in the installation directory in the subfolder **conf**. The configuration file is called **appsettings.config**.

Example:

If the product is installed in the directory

```
C:\d3\d.ecs monitor for d.3 repositories\
```

so that the application is located in the directory

```
C:\d3\d.ecs monitor for d.3 repositories\bin\
```

then the configuration file must have the following path:

```
C:\d3\d.ecs monitor for d.3 repositories\conf\appsettings.config
```

The configuration values can be set via [Call parameters](#) - **-configure**.

With the call

```
"d.ecs monitor for d.3 repositories.exe" --configure port=4211
```

the value "4211" for the key "port" is stored in the configuration.

Alternatively, for manual adjustment: The empty **appsettings.config** file consists of the following XML root elements:

```
<?xml version="1.0" encoding="utf-8"?>
<appSettings>
</appSettings>
```

For each setting to be made, an item is then added below the **<appSettings>** node. The structure of these items is always as follows:

```
<add key="[key]" value="[value]" />
```

Values can be entered for the following keys:

System.BaseUri

- This key determines the URI of d.ecs http gateway where the application registers itself
- If this value is set, this overwrites a value from d.ecs jstore if necessary

port

- This key can be used to specify a fixed port. The application then tries to use the default port at startup. If the port is already occupied, the application cannot start.
- Possible values are integers.
- If the key is not specified, a random port is used.

protocol:

- This key determines with which protocol the web server of the application is to be started.
- Possible values are "http" and "https".

- If the key is not specified, "http" is used by default.

```
C:\d3\d.ecs monitor for d.3 repositories\
```

1.4. Configuring the use cases in the web interface

Calling the configuration page

The easiest way to reach the configuration page is via the **Linked pages** of the d.ecs monitor for d.3 repositories process in d.ecs monitor.

Alternatively, you can directly access the configuration of d.ecs monitor for d.3 repositories via the following URL:

```
https://<base-address>/monwd3r<hostname>/config/repositories
```

Working with the configuration list

The first view shows the configuration list. On this page you will get an overview of all currently existing monitoring of the application. The table lists the following information:

- **Active:** Indicates whether monitoring is currently being performed.
- **Title:** The name of the monitoring.
The name is composed of the values you assigned to the configuration. Thus, the name best describes the content of the configuration.

In edit mode, the **New configuration** button is additionally available. This button allows you to create new configurations.

Working with the detail view

Clicking on an entry of the configuration list opens the detail view of the corresponding configuration.

In the detail view of a configuration you can see the overview and make adjustments of all monitoring values. There are two ways to access the details pages:

- Open the detail page via the configuration list.
- Open the detail page in d.ecs monitor in the **Actions** section.

In the menu bar of the configuration, in the edit mode, you can test the current configuration values via the push button **Execute test**.

Overview of the function values

The values have the following meanings:

- **Active:** Allows you to disable or enable a configuration. Only one active configuration is monitored.
- **Repository:** Settings for the d.3 repository to be monitored.

Within this form area, there is a jumping off point that can help you determine what inputs you need. Jump to different configurations of other apps using the corresponding icon. A valid base URI must be specified for this function in each case.

Note

These navigations only work if the currently logged in user can also access the linked configurations via d.ecs shell or d.ecs identity provider.

- **Base URI:** The address of d.ecs http gateway where the d.3 repository is available.

- **API access key:** An authorized access key from d.ecs identity provider. The permissions must allow access to the d.3 repositories.
Here you can jump to the configuration of the access keys in d.ecs identity provider.
- **d.3 user name:** The user name matching the specified API access key.
- **Type:** The selection option in which way the d.3 repository is to be addressed.
The type specifies against which of the following interfaces the test is to be made:
 - **d.3one**
For the **d.3one** type, the test is performed against the d.3one interface.
 - **d.3 server**
For the type **d.3 server**, the test is executed against the d.3 server interface.
- **Repository:** The display name of the d.3 repository. A corresponding query within the dropdown menu lists all possible repositories for selection, if any are available based on the information given above.

Overview the use cases

You determine which actions are to be executed for testing or monitoring in the d.3 repository. For a repository, the individual use cases can be activated and configured as desired.

The following use cases are available for testing the connection of a d.3 repository:

- **Full text search for document ID**
- **Property search for document ID**
- **Full text search for term**
- **Import, search and delete document**

For all use cases, there is the following configuration:

- **Interval [min]:** Here you specify the runtime of the monitoring of this use case. The information is given in minutes.
The following minimum values are specified:
 - 1 minute for **Full text search by document ID**, **Property search by document ID** and **Full text search by term**.

Note

During each run of a search use case, the respective configured search is performed five times and the average value of the run times is determined.

- 5 minutes when **Import, search and delete document**.

The following additional configurations are possible for the specific applications. The respective use case is explained in more detail via an info icon next to the use case title.

- **Full text search for document ID:** In this use case, the full text search is monitored for a random document ID.
Configure a range from **range start** to **range end** inclusive by specifying one document ID each. During each analysis run, a random document ID is determined within this range. According to this document ID a full text search is executed via API call.
- **Property search for document ID:** In this use case, the property search is monitored for a random document ID.
Configure a range from **range start** to **range end** inclusive by specifying one document ID each. During each analysis run, a random document ID is determined within this range. After this document ID an property search is executed via API call.
- **Full text search for term:** In this use case, the full text search is monitored for a search term. Under **Search term**, enter the text to be searched for in an analysis operation.
- **Import, search and delete document:** In this use case, several substeps are monitored.

Under **Document type short**, specify the short name for the document type.

Under **File size**, specify the desired file size in kilobytes. During each analysis run, a test document with generated content in the specified file size is first imported, then searched for and finally deleted.

In the **Currently used document ID** field you can read the document ID that is used for this analysis run. This document ID is determined during the first execution and reused afterwards. For this to work, a release version is initially created for this document ID. For performance reasons and for the traceability of the measured values, the document ID is determined again after 1000 processes.

Note

If adjustments are made to the configuration, the document ID may have to be determined again. The generated test document, which is initially imported into the release, can be identified by the remark text "Test document for d.ecs monitor for d.3 repositories".

Warning

It is useful to check the document type for different prerequisites for the use case **Import, Search and Delete Document**:

- If necessary, create a document type specifically for this use case. This way, no other document type will be filled with "non-relevant" documents.
- The document type should not be configured for offloading to secondary systems.
- There should be no connection to rendition and no hook functions.
- The set user must have the right to import, search, share and delete edit versions of documents.

1.5. Call parameters

There are several call parameters that can control the behavior of this application. This includes various functions such as configuration helpers, calling the web interface and more.

You can get a description of the available call parameters using the **--help** call parameter.

Example call

```
C:\d3\d.ecs monitor for d.3 repositories\bin> "d.ecs monitor for d.3ecm.exe" --help
```

Usage:

```
"d.ecs monitor for d.3 repositories.exe" --<COMMAND> <PARAMS>
```

COMMAND:

...

1.6. Additional information sources and imprint

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Our E-learning modules let you develop a more in-depth knowledge and specialist expertise at your own speed. A huge number of E-learning modules are free for you to access without registering beforehand.

Visit our Knowledge Base on the d.velop service portal. In the Knowledge Base, you can find all our latest solutions, answers to frequently asked questions and how-to topics for specific tasks. You can find the Knowledge Base at the following address: <https://kb.d-velop.de/>

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