

# d.veLop

d.ecs monitor for d.3 gateway:  
Administrator

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# 1. d.ecs monitor for d.3 gateway

## 1.1. Introduction

### 1.1.1. Prerequisites

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 gateway.

### 1.1.2. About the d.ecs monitor for d.3 gateway

You can use d.ecs monitor for d.3 gateway to monitor d.3 gateway. Its current program data is collected in real time using various settings. These results are forwarded to d.ecs monitor, where they are evaluated using adjustable configurations.

## 1.2. Installation

This chapter is divided into:

- [Installation d.ecs monitor for d.3 gateway](#)
- [Initial configuration per start parameter](#)

### 1.2.1. Installation d.ecs monitor for d.3 gateway

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:

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

The most common benefit for using the command line parameters occurs if 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://localhost:6380/store/httpgateway/config"
```

In this case, two calls are necessary:

- "d.ecs monitor d.3 gateway.exe" --setGatewayPassword <Passwort>
- "d.ecs monitor d.3 gateway.exe" --configure System.BaseUri=<SystemBaseUri>

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

With d.ecs monitor for d.3 gateway there is the possibility to use two categories of analyses. You can access these settings via the "Linked Pages" of the "d.ecs monitor for d.3 gateway" object in d.ecs monitor.



### Note

Performance logs are not written by d.3 gateway until version 5.2.0. With older versions, it is not possible to analyze the performance logs.

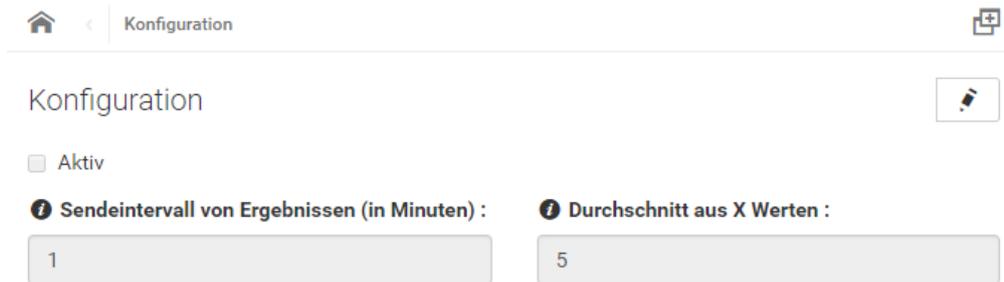
### 1.3.1. Current values

There are two ways to access this configuration page.

- Open the URL `https://<base address>/monwwa<Hostname>/config`
- Via the linked page "Current values configuration" of the "d.ecs monitor for d.3 gateway" object in d.ecs monitor

The current values that are analyzed using this configuration are the values that d.3 gateway also provides in the d.3 gateway Administrator interface.

The following illustration shows the configuration page.



Via the parameter **Active** you can activate the analysis of the current d.3 gateway values. The transmission interval determines in which intervals the results of the analysis are sent to d.ecs monitor. Finally, you can specify how many values are included in an analysis.

### 1.3.2. Performance Log

There are two ways to access these configurations for the performance logs.

- Open the URL `https://<base address>/monwwa<Hostname>/config`
- Via the linked page "PerfLog configurations" of the "d.ecs monitor for d.3 gateway" object in d.ecs monitor

The analyses performed on the basis of these configurations access data from the performance logs of d.3 gateway.

#### Note

The performance logs are only available from d.3 gateway version 5.2.0.

Monitoring is performed by analyzing the time it takes d.3 gateway to forward requests to a process that can handle them.

#### Note

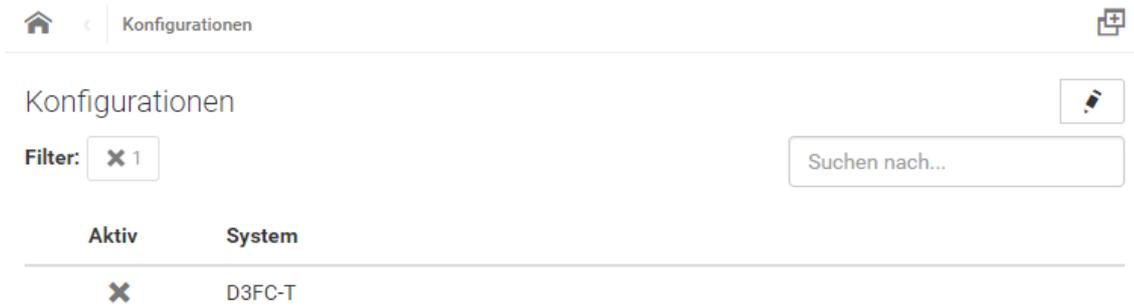
The time required to forward an API call against repository 'T' to a d.3 server process for repository 'T' is analyzed.

This duration for the assignment is called dispatch duration in the d.3 gateway environment. Is the dispatch duration abnormal high, this can indicate an erroneously running d.3 gateway or that too few processes are connected that can handle the incoming requests.

In this configuration there are only settings for the analysis. The limits for the analysis results can be edited at will in the d.ecs monitor.

#### Overview page

The following illustration shows an overview of the configuration page.



Home < Konfigurationen

Konfigurationen

Filter: **X** 1

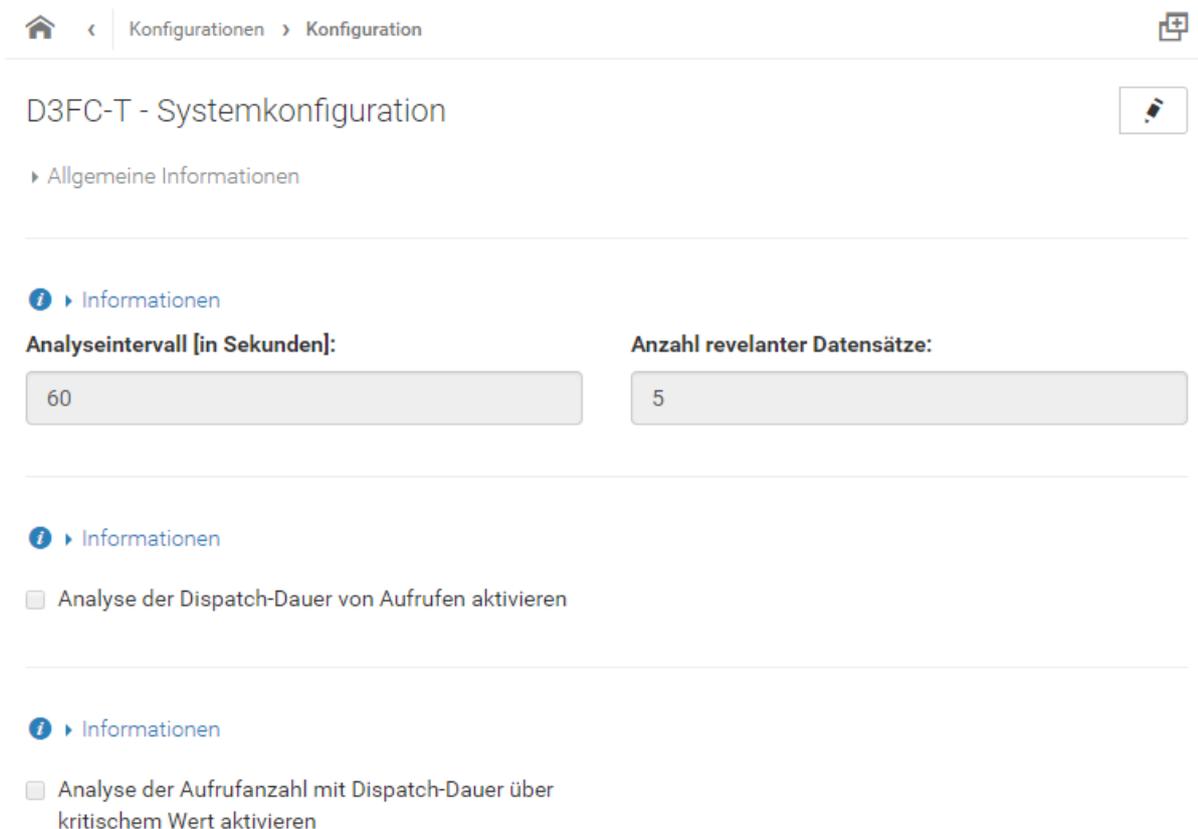
| Aktiv    | System |
|----------|--------|
| <b>X</b> | D3FC-T |

A configuration is listed as Active under the following conditions:

- If d.3 gateway has recently successfully processed requests for this system
- If at least the duration or the number of requests for this configuration are analyzed

### Configuration details

The following illustration shows the configuration for a system.



Home < Konfigurationen > Konfiguration

D3FC-T - Systemkonfiguration

▸ Allgemeine Informationen

**i** ▸ Informationen

**Analyseintervall [in Sekunden]:**

**Anzahl relevanter Datensätze:**

**i** ▸ Informationen

Analyse der Dispatch-Dauer von Aufrufen aktivieren

**i** ▸ Informationen

Analyse der Aufrufanzahl mit Dispatch-Dauer über kritischem Wert aktivieren

**Note**

Notes on general configuration and settings can also be displayed on the page by expanding and collapsing the notes area.

In general, the distance between the analysis operations for this system can be specified, as well as the number of data sets that are observed during an analysis operation.

Two types of analyses are available for each system:

- Analysis of the dispatch time:
  - Can be enabled/disabled by switch
  - Analyzes the average dispatch time for requests against this system
- Analysis of the number of requests:
  - Can be enabled/disabled by parameter
  - With activated analysis a critical limit can be specified
  - Analyzes the number of requests that had a dispatch duration that exceeds the critical duration.

## 1.4. Additional information sources and imprint

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