



Fuse Management Central

User Guide

Version 1.0



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Fuse Management Central 1.0

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1. Introduction

This user guide provides information about features and functionality of Fuse Management Central 1.0.

2. Document Revision History

Revision Number	Modification Date	Section Modified	Modifications
1.0	2020-03-31	All	Initial version

3. Supported Systems and Compatibility

Please refer to the **Release Notes** document for a complete listing of supported systems and compatibility.

3.1. Supported Screen Resolution

Fuse Management Central web application requires you to have your screen resolution set at a minimum of **1280x720**.

(Windows Only) To verify your screen resolution settings, please do the following:

1. Go to **Start**.
2. Select **Settings**.
3. Select **System**.
4. Click **Advanced Display Settings**.
5. Check your **Resolution**.
6. If your screen resolution is below the recommended settings, click the arrow to toggle the drop down, and **select a higher resolution**.
7. Click **Apply**.

4. Get Started

4.1. What is Fuse Management Central?

Fuse Management Central is an application management platform that simplifies OpenText™ Content Server® management and accelerates its administration learning curve. The Fuse Management Central web administration console enables centralized management of Content Suite instances as well as its component monitoring.

Fuse Management Central also separates system administration from content administration, introducing a new layer of security on top of the traditional OpenText™ Content Server® administration tools.

4.2. Install Fuse Management Client

1. Extract Fuse Management Client ZIP file (`Clients/Fuse Management Client for OpenText Content Server 16.2/fuseclient_16_2_0.zip`) **outside of the OpenText™ Content Server® installation folder.**
2. Copy the extracted `fuseclient_16_2_0` folder to the `<Content Server home>/staging` directory.



If you are installing Fuse Management Client on a UNIX/Linux system, make sure that you are performing the setup actions with the user who installed OpenText™ Content Server® and runs the Content Server service.

3. Open **Content Server Administration** page in a Web browser.
4. If prompted, enter the Administrator password, and then click **Log-in**.
5. Select:
 - (*OpenText™ Content Server 16.2.5 and below*) **Module Administration > Install Modules**
 - (*OpenText™ Content Server 16.2.6 and above*) **Core System > Module Configuration > Install Modules**
6. From the **Installable Modules** list, install **Fuse Management Client** module.
7. After the installation of **Fuse Management Client** module is completed, restart **Content Server**.

4.3. Add New System

This section will guide you through the process of adding a new system (OpenText™ Content Server® instance) to Fuse Management Central.

Before starting, ensure that:

- ✓ You have the Fuse Management Client module installed on your system (OpenText™

Content Server instance)

- ✓ Fuse Management Central can access your system (e.g. [http\(s\)://otcs.company.com/otcs/cs.exe](http(s)://otcs.company.com/otcs/cs.exe))
- ✓ Your system can access Fuse Management Central (e.g. <http://fuse.company.com:2100>)



The first time a system is added to Fuse Management Central, it cannot be running under **Eclipse (CSIDE)**. It is mandatory to wait until Fuse Management Central scans all of your system's component.

4.3.1. Activation Request

1. Access Fuse Management Central:

```
http://<fuse-management-central-host>:2100
```

2. **Login** with your authentication credentials:

- **Username:** `fuseadmin` (default)
- **Password:** `fuseadmin` (default)

3. Click **Systems** on the navigation menu
4. Click **Add System**
5. Fill the following fields, following all wizard steps:

Field	Description
Environment	Environment name (e.g. "DEVELOPMENT") Please note that only systems belonging to the same cluster can be added to the same environment. Mixing systems from different clusters on the same Fuse Management Central environment will cause system deactivation!
System Name	System name or alias (e.g. "LV181")
System Type	Default: <i>OpenText Content Server</i>
System URL	System CGI path (e.g. http://otcs.company.com/otcs/cs.exe)
Username	User account with system login privileges (e.g. "otadmin@otds.admin")
Password	User account password

Field	Description
Advanced Options	
<i>(Optional)</i> Description	System description to help system identification (e.g. "Partner sandbox")
<i>(Optional)</i> Owners	System owner(s) email(s) (e.g. "john.doe@company.com"), for event email notifications
<i>(Optional)</i> Tags	System tags (e.g. "front-end")



System tags can be very useful when logically grouping systems, allowing you to filter them when, e.g. applying configurations, performing bulk actions, ...

- Click **Test Connection** to validate if your system fulfill all requirements



If connection test is not successful, please **review all system parameters** (System URL, credentials, ...) and try again.

- Click **Finish**
- Next, copy **System ID** and send it to your system administrator to authorize Fuse Management Central activation request

4.3.2. Authorize Activation

- Open the **Content Server Administration** page in a Web browser.
- If prompted, enter the Administrator password, and then click **Log-in**.
- Select **Fuse System Administration > Fuse System Activation**.
- Insert the provided **System ID** and click **Activate**
- Your system is now **activated** and Fuse Management Central can start manage and monitoring it



If the authorize activation process fails, please check if all requirements are fulfilled and review the procedure.

5. How to Use Fuse Management Central

Fuse Management Central is organized into 6 different areas, each one covering an operational role and suited to provide different perspectives over your OpenText CSP infrastructure.

Each area is designed to offer an optimized user experience in systems management, while maintaining close control and monitoring features.

5.1. Systems

Systems are the key element to Fuse Management Central, as all metrics and operations are retrieved and applied to them, allowing a central management and monitoring approach.

Before adding a system to Fuse Management Central, you must first install Fuse Management Client module on OpenText™ Content Server. Please refer to [Install Fuse Management Client](#) section for more details.

System components status begins automatically as soon as a system is activated in Fuse and starts autonomously sending metrics.

To access Systems area, click **Systems** on the navigation menu. You will be presented with a systems dashboard which allow you to see, individual and aggregated system status metric data, such as:

- Thread Usage / Queue Time / Depth
- CPU Usage
- Memory Usage
- ...

Clicking on each **System** name or its **Environment** name will lead you to the [System Details](#) or to the [Environment Details](#) page.

5.1.1. Threads

Threads are parts of OpenText™ Content Server process that allow it to perform multiple functions concurrently, serving several requests at the same time.

When a thread is spawned, it loads all of installed modules and patches, persisting their own OScript objects in memory.

Fuse Management Central allows to monitor in real time all system threads, allowing a constant and thorough analysis of all dimensions of thread metric data, effectively allowing you to profile your system.

Clicking on the double arrow to the top right of the widget will take you to the thread details page, increasing the level of detail of this component.

The Threads widget also allows you to quickly apply settings, by clicking the wrench icon on the top right of the widget.

5.1.2. Processes

Processes show you the agents and the loaded processes within Content Server which are loaded.

You can enable or disable individual processes by clicking directly on them, displaying its full details, such as name, status, alerts, ...

Whenever an administrator modify a process, the **Apply Changes** button becomes activated allowing to push those changes immediately, or [schedule them](#), to be applied on your system.

5.1.3. Configurations

You can see all the configuration settings for a given Content Server and have the ability to change them from this interface.

From here, administrators are able to change most aspects of the Content Server administration or reuse these configurations in a [Configuration Policy](#).

Fuse Management Central recognize which configurations require a system restart, if so, a confirmation message will appear to alert the user.

5.1.4. Storage Providers

Content Server storage providers are listed here and clicking on each provider will expand its details, displaying its read and write throughput and also providing an graphical representation over time of its performance.

5.1.5. Logs

Although Fuse Management Central does not need any logging enabled, it allows one to manage and view your system log files.

The logs widget gives you an overview of your system logs, allowing you to see the number of log files being generated and if there are any trace files (exceptions) being generated.

Clicking the wrench icon will allow you to quickly change your different system log levels.

Log Viewer

You can access the Log viewer by clicking a log file on any Fuse Management Central component area or by clicking the double arrow to the top right of the widget.

The Log Viewer allows you to browse and visualize any of your system logs, as well as searching for a specific word(s) inside the log opened in the viewer.

When visualizing a log file some reserved words will highlight its line position, helping one to quickly identify any occurred issues:

- **WARN** → Yellow
- **ERROR** → Red

Fuse Management Central log viewer also allows you to have different log files opened at the same time.



Either in the Log browser or viewer, whenever a log file is updated on your system a blue circle will be displayed near its filename.

System administrators can download one, multiple or an entire log folder, by selecting the log(s) and/or folder(s) and clicking the **Download** button.

The selected log(s)/folder(s) package will be downloaded in a compressed ZIP file, maintaining its original folder structure.

5.1.6. Actions

Each action is an operation performed directly on a system, having a direct consequence to it (e.g. Restart), meaning that all actions should be planned and performed carefully.

You can generate a system report from the Content Server for download or restart the content server service from this dashboard

Actions can be performed in two ways:

1. Immediate Actions
2. Scheduled Actions



Please refer to the [Operations](#) section for more details on Scheduled Actions.

5.1.7. Alerts

This will highlight any issues Fuse has detected with your Content Server, for example trace files being generated will be shown you can quickly see at a glance any problems.

5.2. Environments

Environments are logical groups of systems, maintaining their consistency by allowing only to add systems that share the same cluster ID.

Each Environment can have the following identification attributes:

Field	Description
Name	Environment name (e.g. "DEV")
<i>(Optional)</i> Description	Environment description to help environment identification (e.g. "Partner environment")
Advanced Options	

Field	Description
(Optional) Owners	Environment owner(s) email(s) (e.g. " john.doe@company.com "), for event email notifications
(Optional) Tags	Environment tags (e.g. " <i>partner</i> ", " <i>dev</i> ")

All Environments are listed here and can be filtered by:

Filter	Description
Full-Text Search	<i>Filter environments by typing a combination any of the search parameter(s): Name, Status, Tags</i>
Tags	<i>Filter by any environment tags</i>

5.3. Configuration Policies

It is possible to create pre-defined configuration sets that you can apply to one or more systems, allowing a controlled and consistent way to push and ensure its consistency across your managed systems.

With this configuration management you are able to store, apply and switch configurations across your systems without needing to do it manually.

It is possible to create predefined configurations based on an existing system configurations, which you can always customize later, allowing you to clone and distribute configurations across your system landscape.

To create a Configuration Policy:

1. Click **Configuration Policies** on the navigation menu.
2. Click the **Add Configuration Policy** top right button.
3. Enter an explicit **Policy Name**
4. Select a **configuration baseline system** and optionally select and/or adjust the settings you want to add to your policy:
 - Date Settings
 - Performance Settings
 - Security Parameters
 - ...
5. Optionally, select one or more systems to which this policy will apply.
6. Click **Finish**

With this configuration management you are able to clone, store, apply and switch configurations across your systems while allowing to create predefined configurations based on

existing systems.

By selection a Configuration Policy in left panel list, you will see and customize its configuration.

The configurations viewer allows you to filter for any items in the configuration, highlighting all results matching your search filter.

Once a Configuration Policy is changed and thus saved, you will be asked to apply the changes to its systems, where you can opt to apply immediately or schedule to apply it later.

5.4. Operations

In Fuse Management Central an operation is any action (restart, changed configuration, ...) executed on systems.

This allow administrators to have a close control over every operation, performed or scheduled, on their system landscape by managing them on this area and optionally following up their status through email notifications.

Administrators can create operations directly from any system component actions, as described along this guide.

To access Operations area, click "Operations" on the navigation menu



Only users belonging to **Fuse Admin** or **System Admin** roles can execute and/or manage operations.
For more details on Fuse Management Central roles, please refer to the **Installation and Administration Guide**.

The Operations page is divided in 3 main areas:

5.4.1. Overview

The Overview chart provides an at-a-glance view of the status of all operations.

5.4.2. Operations List

All operations in execution or already executed are listed here and can be filtered by:

Filter	Description
Full-Text Search	<i>Filter operations by typing a combination any of the search parameter(s): Status, Job ID, Job Type and/or Owner</i>
Date Interval	<i>Filter by range of execution dates</i>
Status	<i>Filter by operation status (Finished, Canceled, ...)</i>

Filter	Description
Job Type	<i>Filter by combining operation type (Apply configuration, Restart, ...)</i>
System	<i>Filter by combining systems where the operation has been executed</i>
Owner	<i>Filter by combining operation owners (who has executed the operation)</i>

Operation Details

The operation details displays all system jobs included on that operation and clicking on a job will expand it to display the detailed execution log.

Operation details can be displayed by:

- Clicking on the operation **Job Id** field
- Selecting the **View Job Status** operation action

Delete Operations

Operations can be deleted by:

- Selecting the "Delete" operation action
- Selecting one or more operations and selecting the "Delete" bulk operation action

5.4.3. Scheduled Operations

All scheduled operations are listed here and can be filtered by:

Filter	Description
Full-Text Search	<i>Filter operations by typing a combination any of the search parameter(s): Status, Job Type, Schedule Type, System and/or Owner</i>
Date Interval	<i>Filter by range of execution dates</i>
Status	<i>Filter by operation status (Finished, Canceled, ...)</i>
Schedule Type	<i>Filter by schedule type (Single or Recurring)</i>

Filter	Description
Job Type	<i>Filter by combining operation type (Apply configuration, Restart, ...)</i>
System	<i>Filter by combining systems where the operation has been executed</i>
Owner	<i>Filter by combining operation owners (who has executed the operation)</i>

For added convenience, Administrators can scheduled any operation to be executed as:

- **Single Execution**
The operation will be executed only once on the defined date and time.
- **Recurring Execution**
The operation will be executed on a recurring schedule.



Optionally, Administrators can switch to "Advanced Mode", to better fine tune the recurrent schedule.

When scheduling an operation, Administrators can opt to receive operation status the following status notifications:

- **Don't notify (Default)**
Don't send any status notification.
- **Notify only if failed**
Send a status notification only if a job fails its execution.
- **Always notify**
Send a status notification whenever the operation is executed or edited.



By default, when an Administrator opt to receive a status notifications system owners are automatically added to the mailing list. However, the notification recipients list can be customized.

5.5. Dashboard

Fuse Management Central provides a comprehensive Dashboard Interface which gives you a visual representation of all the Content Servers on your estate.

The dashboard provides you with an overview of your systems status, it also informs you of running or scheduled operations but most importantly, it consolidates all active alerts that may require your attention.

To access the Dashboard, click **Dashboard** on the navigation menu

At a glance you will see overall performance, availability and broad system statistics all from a single place, as well as all active alerts grouped by [System](#) and [Operations](#).

As an OpenText™ Content Server administrator you will be able to see e.g. how busy the

system is or [was](#) at what times and real-time statistics of your systems in any environment.



You can filter all Dashboard data by [Environment](#), allowing to filter by one or more environments.
For added convenience, the applied filter will remain selected even when navigating outside the Dashboard.

5.6. Time Machine

By default Fuse Management Central is displaying real-time metric data but one can opt to visualize past data.

The Time Machine feature provides all system data, frozen at a specific point in time, meaning that when you enable this feature all system status information is displayed correlated at the selected point in time.



Please note that some components are still not Time Machine enabled, such as [System Logs](#), [Operations](#), ...

You can activate the Time Machine by:

1. Clicking on Fuse Management Central top header **LIVE** button.
2. Clicking or zooming in (area selection) on any [System](#) or [Environment](#) component line chart data (e.g. *Threads Usage*, *System Disks*, *Memory*, ...).

To navigate to a specific point in, for which you want to view information using the Time Machine:

- Click on the top bar "You are here" component and select a date and time.
- Click on a specific Time Machine chart moment.



You can zoom in the top Time Machine chart.

To disable the Time Machine, click on the top bar **Time Machine** button.



By default, Time Machine long-term metric data are stored for a maximum of 15 days.
To extend this period please contact us.