

BOC Confluence Integration Service

Installation Manual

Version 4.0 - English



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1. Overview

This document describes the installation of the *BOC Confluence Integration Service (COIS)* add-on modules for *Atlassian Confluence* as well as the setup and configuration for connecting it to an *ADONIS NP* and/or *ADOIT* installation.

The installation consists of the following main steps:

1. Configuration and preparation of ADONIS NP and/or ADOIT.
2. Installation of the COIS add-on module in Atlassian Confluence.
3. Configuration of the REST connection from COIS to ADONIS NP and/or ADOIT.

The installation package contains the following items:

- **confluence**: this folder contains the COIS add-on module for Atlassian Confluence.

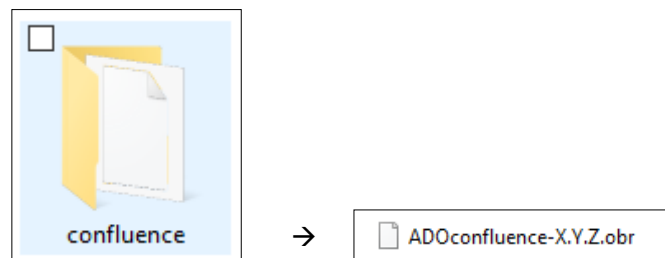


Figure 1: The installation package

2. Configuration of the ADONIS NP / ADOIT

NOTE: In order to use the BOC Confluence Integration Service, the Standard RESTful services module must be licensed and activated!

1. Open the **Administration Toolkit**.
2. Go to **Library Management** component and then to the **Component Settings** tab.
3. Go to **Standard RESTful services** → **General** page.
 - Enable MFB REST globally
 - Configure the **Settings of the local REST security context** by adding a **Key** and generating a **Secret** (this can be done automatically by the Generate Secret button).
 - In the **Technical user** setting, select a technical user for the REST context. Available technical users are displayed in the table.
If no user is available, go to **User Management** and create a technical user (this user must have **Trusted Login**).

You can assign one or more repository to the chosen technical user and therefore selecting what content should be available within REST.

NOTE: All content that the technical user has access to, will also be available via the COIS widgets in Confluence for all Confluence users.

- In the **Cache Path** setting, setup an absolute path on the webserver machine, accessible by ADONIS NP, where REST cache can be saved. The path should be dedicated to this purpose and not shared with other services. ADONIS NP will take care of managing it. Doing so will improve the response time for REST.

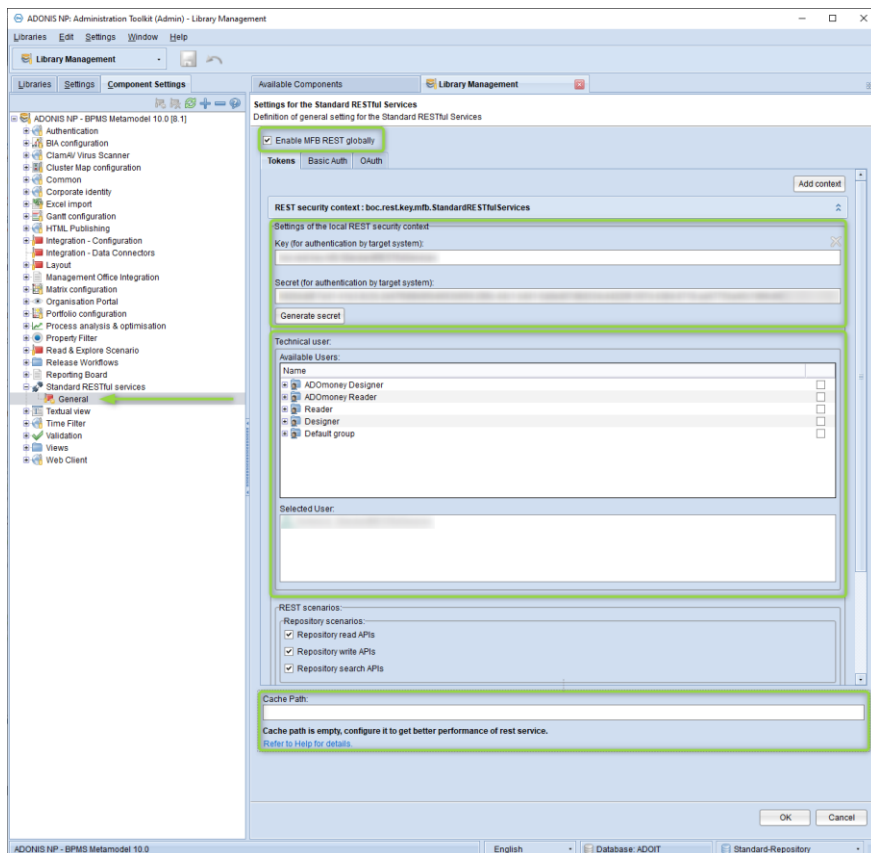


Figure 2: Standard RESTful services settings

4. Go to **Web Client** → **System** page.

- Configure the **Base URL** to match the web client URL.
- In **Technical Users**, select the same technical user from the previous step.

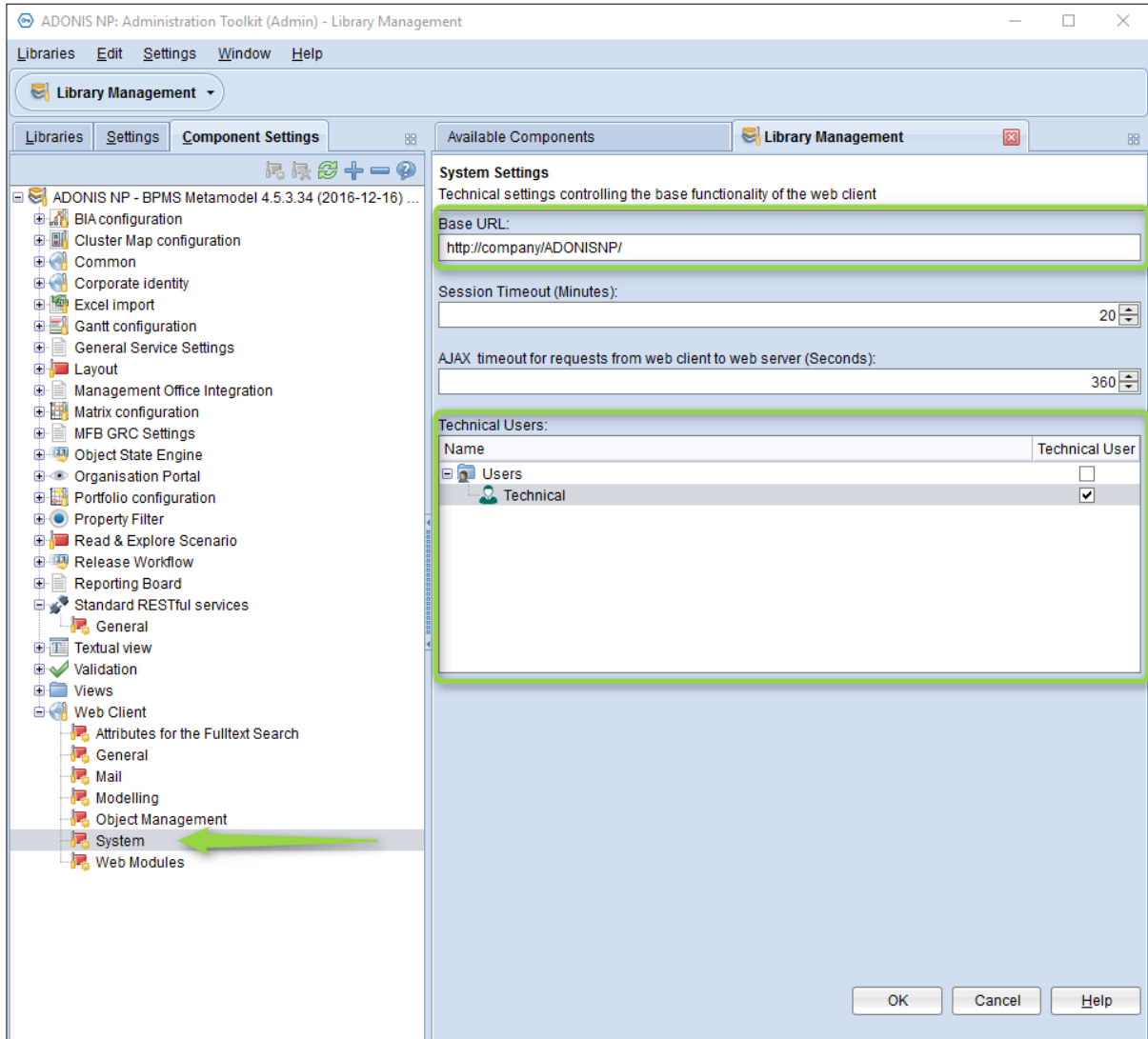


Figure 3: Web Client System settings

5. Go to **Web Client** → **Web Modules** page.

- This step is only necessary if you are using a version prior to either:
 - ADOIT 11.0 LTS
 - ADONIS NP 10.0 LTS
- In **Business Modules** tab, on the right side, click **Standard RESTful services**.
- Set the module to **Available for all users**.

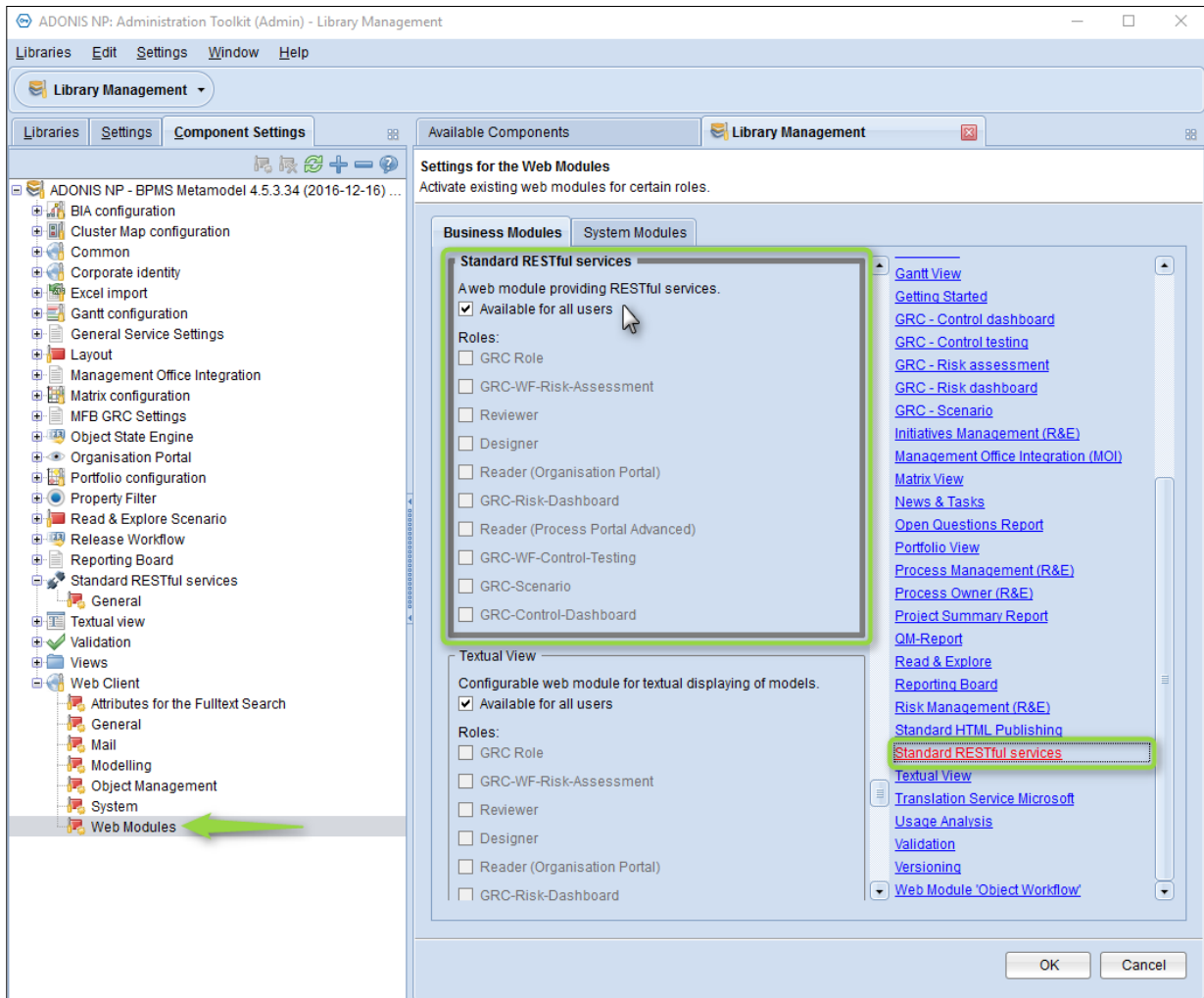


Figure 4: Web Client Web Modules settings

3. Installation of the COIS add-on module in Atlassian Confluence

This chapter describes the steps to install the **COIS add-on module** in Atlassian Confluence.

Before installing the module, make sure that the distribution file from the install package '*ADOconfluence.obr*' is accessible to your computer, either at via the file system or via an URL.

Steps to manually upload the COIS add-on module in Confluence:

1. From the application's administration console, click the Manage add-ons link.
2. Click the Upload add-on link at the top right side of the page. The following dialog appears:

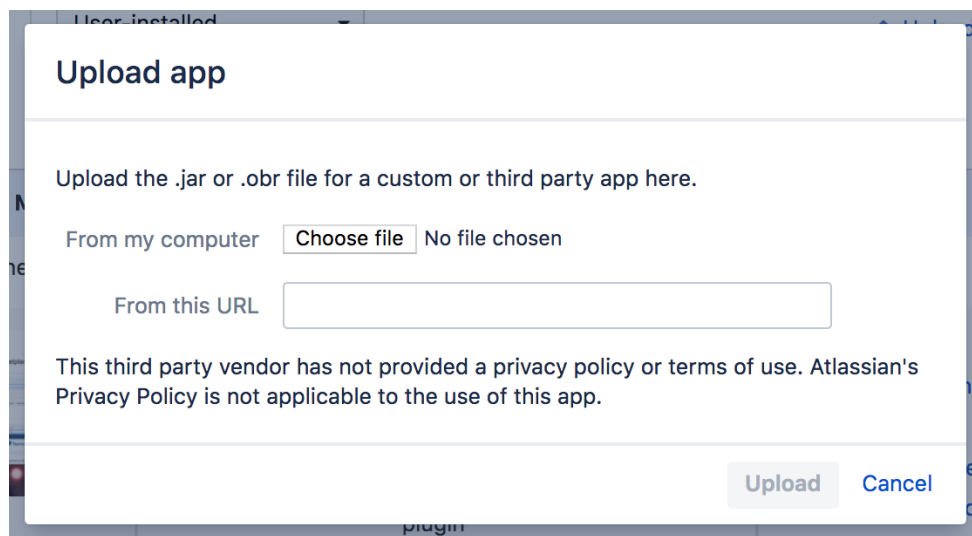


Figure 5: Upload an add-on in Confluence

3. Enter the location of the JAR or OBR file to upload using the file chooser or by specifying a network location by entering a URL. In this case you want to select the '**ADOconfluence.obr**' file.
4. **Click Upload.**

A confirmation message appears when the add-on is successfully installed.

5. If prompted, restart your application to have your change take effect.

You can now manage the add-on from the user-installed add-on list on the Manage add-ons page.

The COIS configuration page can be reached from the Admin Configuration or by the Manage add-ons page

4. Configuration of the REST connection

Once the COIS add-on module has been installed in Confluence, the connection settings to ADONIS NP and/or ADOIT have to be configured:

- In Confluence, go to **General Configuration**
- Navigate to **COIS Service Configuration**
- Change the configuration for the product in use (ADONIS NP/ADOIT; see Figure 7) and hit **Save**

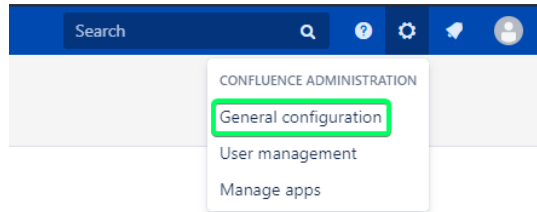


Figure 6: Confluence General configuration

The following settings must be configured to establish a connection to ADONIS/ADOIT:

ADO Web Base URL	The base URL used to access the BOC Product
ADO Web REST Identifier	The identifier provided for authentication (configured in the Admin Toolkit)
ADO Web REST Secret Key	The secret key provided for authentication (configured in the Admin Toolkit)
Use cache for modelgroups	Improves performance for large repositories. For more details please read: How is the cache for modelgroups working? This is optional and disabled by default.
Languages	Defines the available languages for the ADO Query Table widget. Only languages, that are supported by your ADONIS/ADOIT license must be entered here.

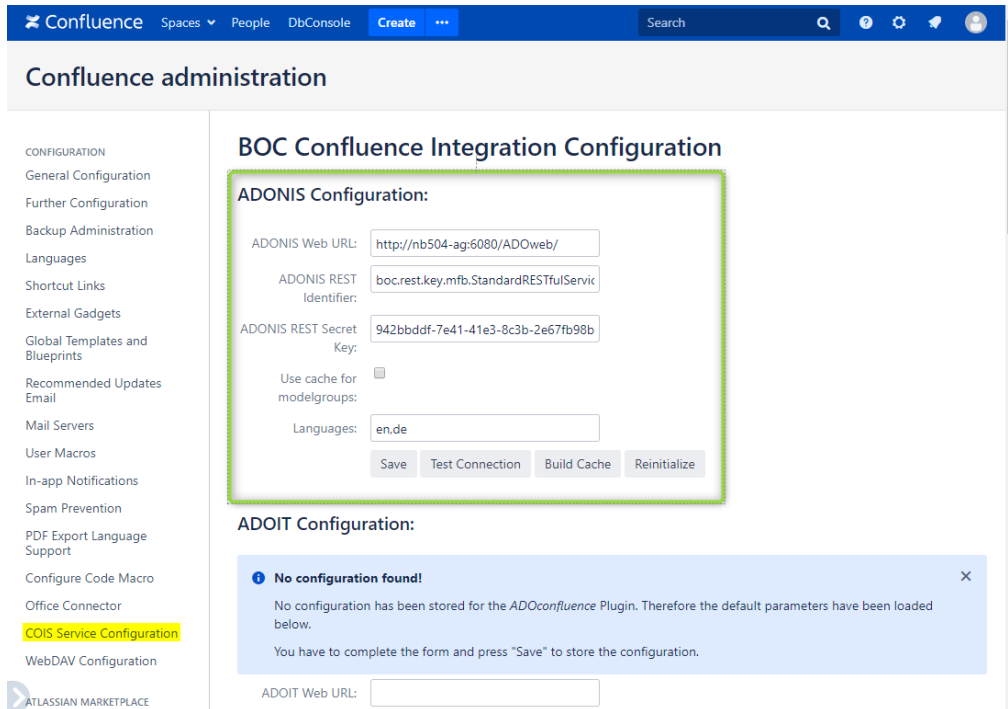


Figure 7: COIS Configuration

The following buttons are available on the configuration page:

Save	Saves the current configuration
Test Connection	Tests the connection to the configured instance of ADONIS NP/ADOIT Important: The configuration has to be saved before the connection can be tested
Build Cache	Builds up the ADONIS NP/ADOIT cache for the REST interface
Reinitialize	Triggers the reinitialization of: <ul style="list-style-type: none"> • Cache for model groups This retrieves the current state of the model groups from ADONIS NP/ADOIT and caches them • The used REST version Depending on the used version of ADONIS NP/ADOIT the REST version is determined during the startup of Confluence. If an upgrade of ADONIS NP/ADOIT has been performed, but Confluence is not restarted, this will update the used REST version accordingly.

5. Appendix

How to enable COIS logging

By default, every Confluence plugin are configured to log *WARN* and *ERROR* levels.

To get more information about the COIS service, enable the *INFO* log as described:

- In Confluence, go to **General Configuration**
- Navigate to **Logging and Profiling**
- Enter a new log entry `com.boc.confluence.plugin` and select *INFO* as logging level:

Logging and Profiling 1

Performance Profiling
Profiling is currently OFF.
[Enable Profiling](#)

SQL Logging
[Enable SQL Logging](#)

Log4j Logging
Log level is currently Production.
[Production](#) [Diagnostic](#)

OR:
Customize specific logging settings
[Add New Entry](#)

Class/Package Name	New Level
com.boc.confluence.plugin 2	INFO 3 Add entry 4

Existing Levels

Class/Package Name	Current Level	New Level
atlassian-monitor	INFO	INFO Remove
atlassian.plugin	INFO	INFO Remove
com.atlassian.bonnie	INFO	INFO Remove
com.atlassian.confluence.admin.actions	INFO	INFO Remove
com.atlassian.confluence.admin.actions.SystemInfoOnStartup	INFO	INFO Remove
com.atlassian.confluence.cache.DefaultCacheConfigManager	INFO	INFO Remove
com.atlassian.confluence.cache.DefaultCacheSettingsManager	INFO	INFO Remove

Additionally, *DEBUG* level can be used to further diagnostic issues, especially if requested from the BOC Hotline.

How to enable the cache for modelgroups?

To enable the cache for modelgroups:

- In Confluence, go to **General Configuration**
- Navigate to **COIS Service Configuration**
- Press the check button and save the settings
- Press Reinitialize to initialize the cache

Confluence administration

CONFIGURATION

General Configuration

Further Configuration

Backup Administration

Languages

Shortcut Links

External Gadgets

Global Templates and Blueprints

Recommended Updates Email

Mail Servers

User Macros

In-app Notifications

Spam Prevention

PDF Export Language Support

Configure Code Macro

Office Connector

COIS Service Configuration

WebDAV Configuration

BOC Confluence Integration Configuration

ADONIS Configuration:

ADONIS Web URL:

ADONIS REST Identifier:

ADONIS REST Secret Key:

Use cache for modelgroups:

Enable 1

Reinitialize 3

Languages:

ADOIT Configuration:

No configuration saved!

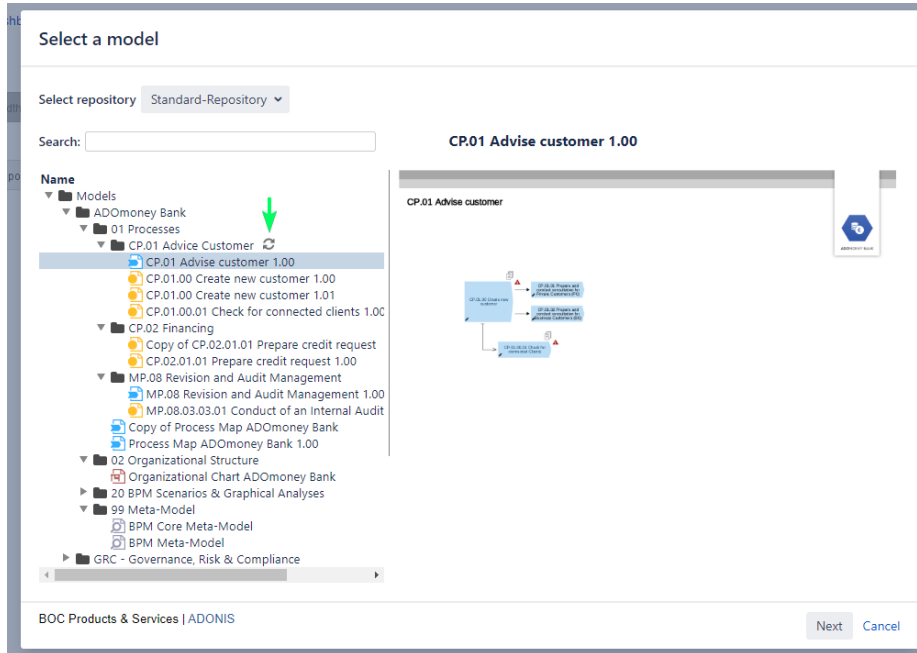
No configuration has been stored for the *ADOconfluence* Plugin. Therefore the default values are used.
You have to complete the form and press "Save" to store the configuration.

ADOIT Web URL:

How is the cache for modelgroups working?

If the use cache for modelgroups setting is enabled, a in-memory cache of the model group data of ADONIS/ADOIT is created in Confluence. What this means is that editing macros, as well as the Model Search and Model List macros, are faster.

Additionally, when editing macros, it is now possible to reload a specific sub-tree:



When this happens, a re-caching of the model group data is also triggered.

Furthermore, a re-caching is also triggered by a new COIS scheduler:

Confluence administration

Scheduled Jobs

Job	Status	Last Execution	Next Execution	Avg. Duration	Actions
Back Up Confluence	Scheduled		Mar 18, 2020 02:00	0	Run - Edit - Disable
Check Cluster Safety	Scheduled	Mar 17, 2020 15:02	Mar 17, 2020 15:03	12	History - Run - Edit - Disable
Clean Journal Entries	Scheduled		Mar 18, 2020 02:00	0	Run - Edit - Disable
Clean Old Audit Records	Scheduled		Mar 18, 2020 00:00	0	Run - Edit - Disable
Clean Temporary Directory	Scheduled		Mar 18, 2020 04:00	0	Run - Edit
Clear Expired Mail Errors	Scheduled		Mar 18, 2020 03:00	0	Run - Edit
Clear Expired Remember Me Tokens	Scheduled		Mar 20, 2020 00:00	0	Run - Edit
Cluster Cache Compaction	Scheduled	Mar 17, 2020 15:00	Mar 17, 2020 16:00	11	History - Run - Disable
COIS: Model Groups Cache	Scheduled	Mar 17, 2020 15:00	Mar 17, 2020 15:30	10	History - Run - Edit - Disable
Conversion Queue Monitor	Scheduled	Mar 17, 2020 15:03	Mar 17, 2020 15:03	3	History - Run - Edit - Disable
Deferred File Deletion	Scheduled	Mar 17, 2020 14:50	Mar 17, 2020 15:05	4	History - Run - Disable
EhCache Cache Compaction	Scheduled	Mar 17, 2020 15:00	Mar 17, 2020 15:05	5	History - Run - Disable
Email Daily Reports	Scheduled		Mar 18, 2020 00:00	0	Run - Edit - Disable
Flush Edge Index Queue	Scheduled	Mar 17, 2020 15:02	Mar 17, 2020 15:03	6	History - Run - Disable
Flush Local Task Queue	Scheduled	Mar 17, 2020 15:02	Mar 17, 2020 15:03	3	History
Flush Mail Queue	Scheduled	Mar 17, 2020 15:02	Mar 17, 2020 15:03	2	History - Run - Edit - Disable
Flush Task Queue	Scheduled	Mar 17, 2020 15:02	Mar 17, 2020 15:03	2	History - Run - Disable
Jira Metadata Cache Configuration	Scheduled	Mar 17, 2020 14:20	Mar 17, 2020 15:20	78	History - Run - Edit
Publish Daily Statistics	Scheduled		Mar 18, 2020 04:00	0	Run - Disable
Publish Periodic Events	Scheduled		Mar 18, 2020 02:15	0	Run - Disable
Purge Old Job Run Details	Scheduled		Mar 17, 2020 23:00	0	Run - Edit

By default, it is configured to run every 30 minutes from 7 AM to 18 PM. This is configurable, but we recommend to not make it faster than every 5 minutes in order to not overload the servers.