
Manual

SAP Transport Integration for Jira

REALTECH AG

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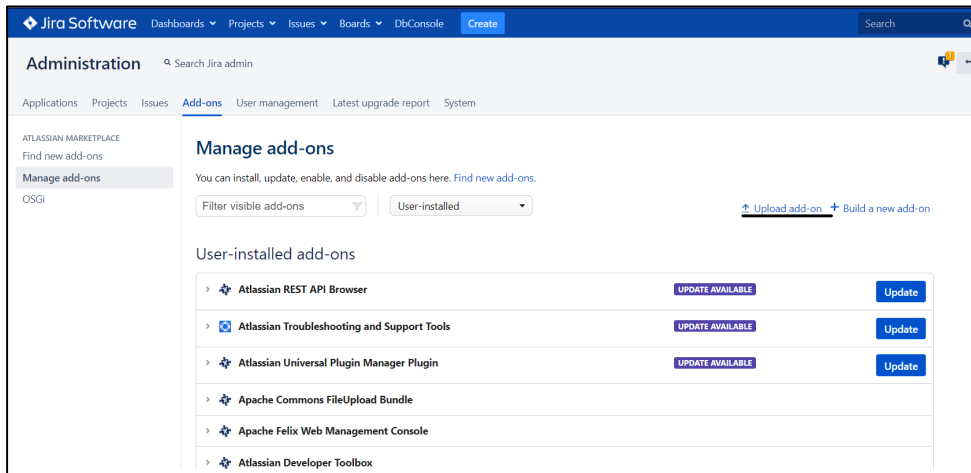
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1 Installation Steps

1.1 Jira Server Installation

On the Jira instance, the app needs to be uploaded via:

Administration -> Add-ons -> Manage add-ons -> Upload add-on



1.2 Jira Cloud Installation

To install the Jira App SAP Transport Integration for Jira in your Jira Cloud instance, please go to *Apps* -> *Manage your apps* and click on *Upload app*. Please fill in the URL: <https://sap-transport-integration-for-jira1.azurewebsites.net> and press *Upload*.

Upload app

Upload an Atlassian Connect app descriptor from the Atlassian Marketplace.

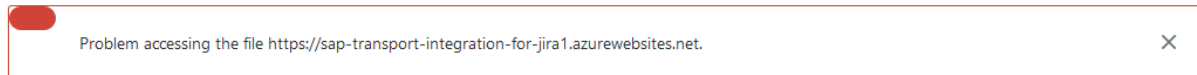
From this URL

This third party vendor has not provided a privacy policy or terms of use. Atlassian's Privacy Policy is not applicable to the use of this app.

Upload

Cancel

When this error occurs: "Problem accessing the file <https://sap-transport-integration-for-jira1.azurewebsites.net>."



Please try again one minute later. This error occurs, because the Linux Container is starting up, just when the URL is called.

1.3 SAP systems

This SAP Transport Integration for Jira requires the SAP Add-on REALTECH Transport Management.

Please install this Add-on before performing the next steps.

1.3.1 SMICM – Activate the HTTPS service

This step must be performed on the SAP system where the REALTECH Transport Management Controller is located.

Make sure that the HTTPS service is active (Transaction SMICM -> Services).

1.3.2 STRUST – Install Jira SSL Certificate

This step must be performed on the SAP system where the REALTECH Transport Management Controller is located.

To use the HTTPS protocol for the Web Service calls, install the security certificate from Jira into the SAP system, transaction code STRUST, under the node SSL client SLL Client Standard.

1.3.3 SM59 - Create RFC connection type *HTTP connection to External Server*

This step must be performed on the SAP system where the REALTECH Transport Management Controller is located.

Create an RFC with type HTTP Connection to External Server in the SAP system, where the information about the authentication and the service URI for the REST service is stored.

Logon data, etc. is stored by transaction SM59 already in a secure manner and the REST client implementation can rely on this.

Run the RFC connection test to make sure everything is prepared to start the configuration.

1.3.4 S_TCODE authorization to run the integration configuration

This step must be performed on the SAP system where the REALTECH Transport Management Controller is located.

To run the integration configuration, the user needs authorization for transaction codes:

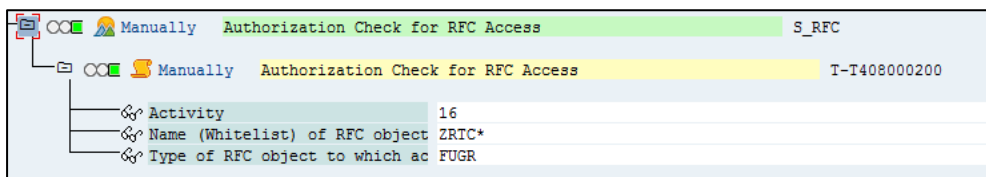
- ZRTC_TMCON_CONFIG
- ZRTC_SERV_CONFIG

The integration configuration (transaction ZRTC_TMCON_CONFIG) will be used on the TM Controller only.

1.3.5 TM RFC User Authorization (ZRTC4_TM_ADM)

This step must be performed on all SAP systems.

This first version is developed in Z* namespace, RFC user ZRTC4_TM_ADM and must be granted authorization to execute ZRTC* function groups calls in RFC sessions:



This is necessary for the distributed TM landscapes (TM Controller is not on Development system) and CREATION/AFTER_WF_A actions are used/activated.

1.3.6 Creation of SAP attributes for Transport Requests

This step must be performed on the Development Systems.

SAP Transport Requests attributes must be created in the Development system. They will be used to store the issue information assigned to the Transport Request during the creation/release process.

At least two SAP attributes are mandatory for the integration:

- One for storing the ITSM id: must be the same in all DEV systems
- One for storing the Ticket id

At the insertion of the Transport Request into the TM workflow, the assigned SAP attributes will be mapped to the corresponding TM attribute, which will be used in the TM workflow.

The names of the created SAP attributes will be mapped during the configuration in the next step.

Restriction: SAP attributes must have the same name as the TM attributes for the mapping.

Limitation: Technical restriction for the length of the value of an SAP attribute is 32 characters. This means that information stored from Jira into SAP will be truncated to 32 characters, if longer.

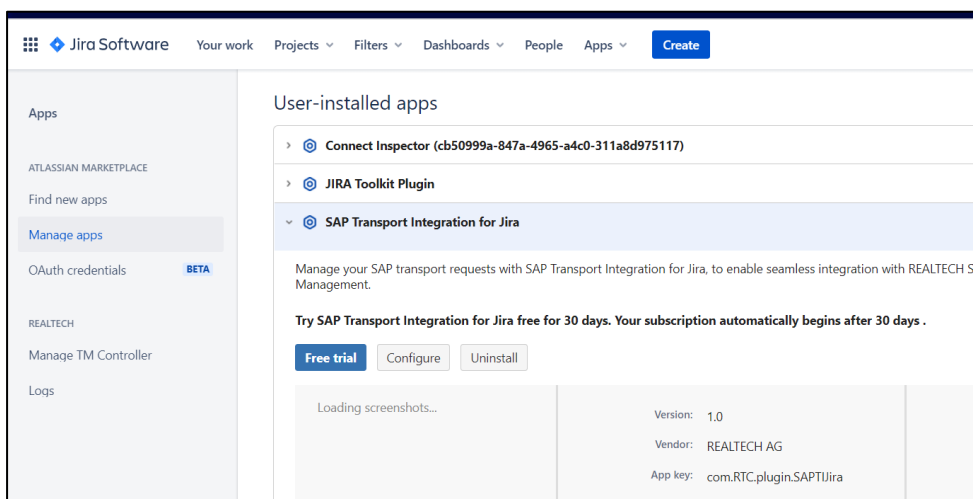
2 Integration configuration

2.1 SAP Transport Integration for Jira configuration

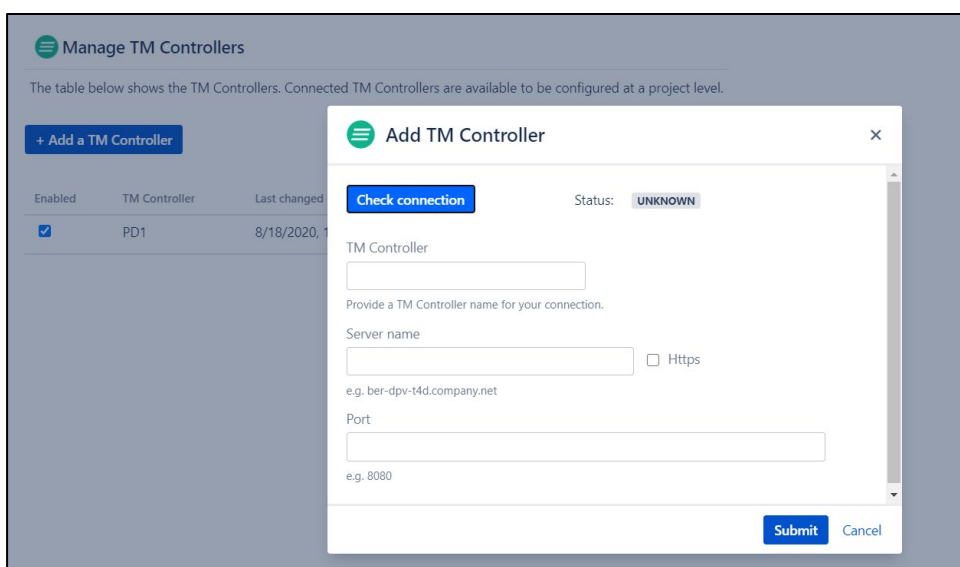
These are the steps needed for the integration to be activated.

2.1.1 Manage TM Controller

After the App is installed on the Jira instance, there should be configured one or more TM Controllers. The configuration can be done from the App installation (Manage apps) by accessing the button “Configure” or by going from the left REALTECH menu “Manage TM Controller”



Here, press button + Add a TM Controller and the popup will be shown:

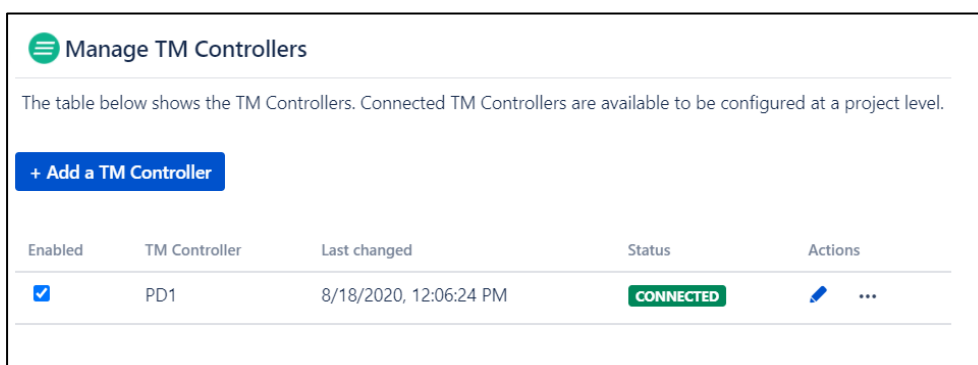


Add a TM Controller name (e.g. the SAP system SID), add the SAP system server name and the port. Please check mark *HTTPS* if the connection is secure.

Once the server name and the port are provided this information can be checked by pressing the button *Check connection*. If the server is reachable then the status should switch to *Connected*.

The connection check can be done successfully if the browser's securities are passed (if Jira server is secure then the SAP server must also be secure to perform a call to the server).

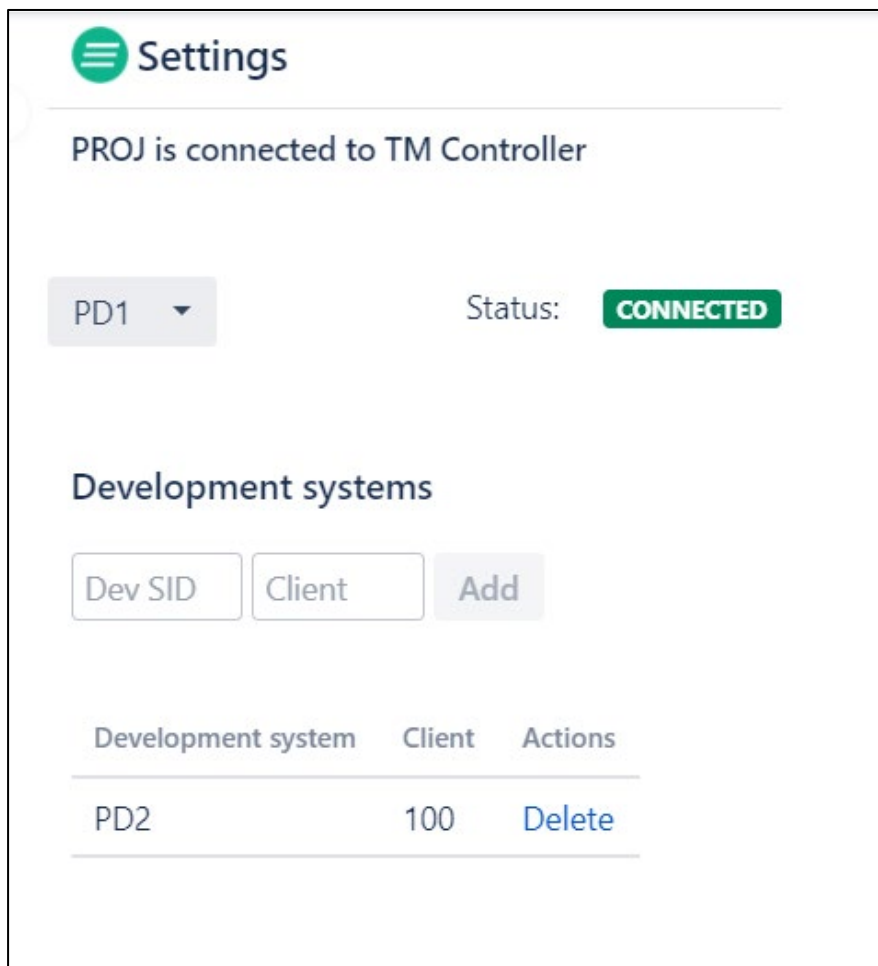
After the TM Controller is saved the information is added into the main table and must be enabled to use it.



Manage TM Controllers				
The table below shows the TM Controllers. Connected TM Controllers are available to be configured at a project level.				
+ Add a TM Controller				
Enabled	TM Controller	Last changed	Status	Actions
☒	PD1	8/18/2020, 12:06:24 PM	CONNECTED	...

2.1.2 Project settings

To establish a connection from an SAP development system (e.g. when an SAP transport is created -> update Jira issue) the TM Controller Development systems needs to be configured at a Jira project level.



When adding or removing a TM Controller from the project, all project's issues are updated with a flag that the integration is enabled (the issues that are updated are the ones that matches the filter settings which will be detailed in the next subchapter).

 The TM controller PD1 has been successfully updated! 

PD1 

Status: **CONNECTED**

 Updating 23 issues (10 updated)

Development systems

Dev SID

Client

Add

Development system	Client	Actions
PD2	100	Delete

2.1.3 Project Filter

 Filter

This integration is active for issues that matches this filter - JQL

 15 issues found

[Update](#) [Cancel](#)

TM Workflow action filter

Action

Level

Project

Destination

Add

Enabled	Action	Level	Project	Destination	
☐	APPROVAL	Production	Basis	default	Update Cancel

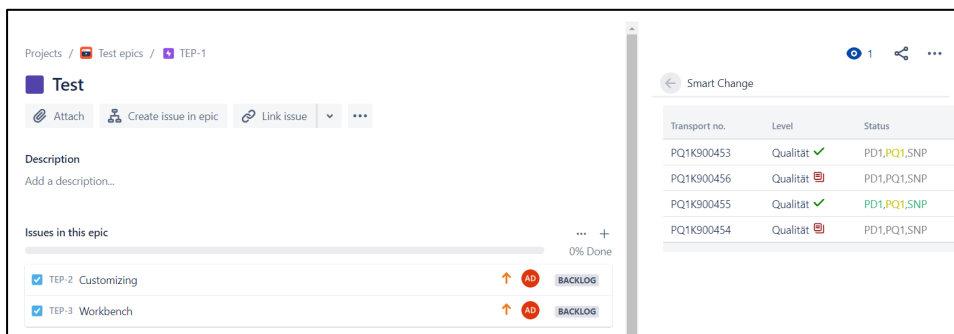
 6 issues found

The project filter configuration is for enabling/disabling the issues that should be part of the configuration. There is also the possibility to add a filter for a TM Workflow Action.

2.1.4 SAP Transport details

For the issues activated by the Project configurations, a new web item will be shown on the right side of the issue.

The parent of the issues (e.g. an Epic issue type) will have displayed the overview of all the child issues:



The child issues will have more details displayed when hovering over a column data

When hovering over the *Transport no.* data



When hovering over the *Level* data



When hovering over the *Status* data

