User Guide
Version 3.0
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1. INTRODUCTION

The aim of this guide is to explain in detail the user operational point of view of EA Connector for JIRA® to function properly.

It will be described the steps to export, import and maintain a set of items synchronized between Enterprise Architect tools and JIRA® during the entire life cycle.
2. GET STARTED

During the development of this manual you will use the example described below.

Take as starting point an EA Repository in which there are a set of functional and non-functional requirements. These elements are part of an UML profile, and they look like the one shown in the following diagram:

Each requirement has a set of Tagged Values provided by their own UML profile, and they are as follows:
3. EA CONNECTOR FOR JIRA® CONFIGURATION

1. Connecting to the JIRA® Database:

This point you just have to do it if a manager has not already done it for you. Refer to the “EA Connector for JIRA - Installation Guide” if you need to know how to set up the connection with the JIRA® instance.

2. Mapping of elements between EA & JIRA®:

This point you just have to do it if a manager has not already done it for you. Refer to the “EA Connector for JIRA - Installation Guide” if you need to know how to set up the mapping of elements and fields between Enterprise Architect and JIRA®.

3. Changing language:

1. Open EA, and access the Menu “Add-Ins | EA Connector for Jira | Change Language...”

2. Select the language and click “OK”:
4. EXPORT ELEMENTS

To perform an element export process to JIRA®, it is necessary to follow the following steps:

1. Select the Package that contains the elements that you want to export.

2. Open the Menu “Add-Ins | EA Connector for Jira | Export to Jira…”

3. In the absence of a prior authentication, the Add-In is going to request you to authenticate, in order to provide a customized view of JIRA® projects for which your user has permissions:

   ![System Authentication Window](image)

   **IMPORTANT:** Keep in mind that the user that is authenticated in the system will be considered as the Informer of the Issues to be created in JIRA® as a result of the export process.

4. This will display the elements Export window:
5. Select from the drop down area “Element exportation to JIRA” the JIRA® project that it is desired to export the elements as well as the type mapping that is desired to use in the drop down area “Select mapping type”. Once selected you will find the items that can be exported along with an icon indicating the status of sync (new, modified / re-exported and deleted).

Next to each icon, it is possible to activate or deactivate the checkbox to enable or disable the checkbox used to enable or disable all the elements that are in the same status of synchrony:
In this example you can see a list of requirements that will be exported for the first time (new) to JIRA®.

6. Click “Export” button to start the exportation process. During this process, you can see the progress and the status of each item:
7. Once the process is done, the following message is displayed:

8. Finally, close the window by clicking “Close” button:
9. Once the exportation is done, each EA element have received 4 updates:

a) The Artifact’s status in EA will be the same that the element has in JIRA®.
b) The EA Artifact’s Alias or the Tagged Value (it depends on the mapping established) is the JIRA® “Issue Key” related incidence.
c) If it has been set up the field Priority, it will be shown as a Tagged Value in EA.
d) In the tab “Files” of the artifact properties window, will appear in EA a hyperlink to the Issue URL that this artifact represents in JIRA®.

The following images show examples of these 4 updates:
Example of the above diagram, in which the requirements are now shown in red as the color assigned to the status “Proposed” as well as for the Alias for the “Issue Key” issued by JIRA®.

Detail of a exported requirement, which as in the previous image, you can see the color red belonging to the status “Proposed” and the Alias for the “Issue Key” of the Issue in JIRA®.

Tab “Files” of the property window of the element exported, in which you can see the hyperlink to the URL that references the Issue in JIRA®.
10. You can now proceed to verify how the Issues have been created in JIRA®. The following images show an example of the export verification process:

Once you enter the summary of the project “ASC-Requirements Management” appears the summary of the Project in which you can see the creation of the Requirements.
Once you enter in the Issue list of “ASC-Requirements Management” you can see the summary of the statuses that each requirement has (in this case – all are Proposed).
5. JIRA® & ENTERPRISE ARCHITECT ELEMENTS MODIFICATIONS

The purpose of this chapter is to show how once it is kept a set of elements in both tools JIRA® and EA, you can make changes to each one of them.

In the example that is being discussed, the modifications consist of changing some data of the requirements in JIRA®, make a transition in a requirement (from “Proposed” to “Approved”), delete any requirement both in JIRA® and EA, or create new requirements directly on JIRA®.

Once all these changes have been made, in the next chapter you will see how the connector allows us to import the new items created in JIRA® and how to synchronize the information existing on both tools.

Therefore:

![Functional requirement view called “Cancellation Management” with all of its data.](image-url)
Execution of the transition “Validate”

The requirement has now the status “Validated”
Search for available rooms

**Priority:** Critical  
**Components:** None  
**Labels:** None  
**Criticality:** Medium  
**Stability:** Stable  
**Origin:** User  
**Type:** Quality  
**EAGUID:** {5A09ECE5-F05D-437e-8821-BC2E9A6E230D}

**Description**

The system should enable any user to search for available rooms for a certain range of dates, and a room (depending on the number people entered).

The data required for the search are:

- **Arrive Date**
- **Departure Date**
- **No. of People**

The system will return the availability according to needs.

*Modified description of the Requirement*

---

**Modification of the requirement's description “Search for available rooms” in JIRA®**
Modification of the requirement's property “Origin” of “Making Reservations”, in which it is changed from “Analyst” to “User”.

### Booking Consultation

<table>
<thead>
<tr>
<th>Details</th>
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<tbody>
<tr>
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<tr>
<td><strong>Criticality:</strong></td>
<td>Medium</td>
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<tr>
<td><strong>Stability:</strong></td>
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<tr>
<td><strong>Origin:</strong></td>
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<td><strong>EAGUID2:</strong></td>
<td>EAGUID2:</td>
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</tr>
</tbody>
</table>

![Delete Issue Message]

Removal of the requirement “Booking Consultation”
Creating a new requirement in JIRA® called “Reservations Annulation”
(REQ-804) Management On-line Reservations
Criticity = High
Origin = Analyst
Priority = Critical
Stability = Stable

(REQ-801) Booking Consultation
Criticity = Medium
Origin = User
Priority = Critical
Stability = Unstable

(REQ-805) Modification and cancellation of reservations
Criticity = Medium
Origin = User
Priority = Critical
Stability = Unstable

(REQ-806) Reservation Confirmation
Criticity = Low
Origin = Analyst
Priority = Critical
Stability = Stable

(RQ-808) Search for available rooms
Criticity = Medium
Origin = User
Priority = Critical
Stability = Unstable

Removal of the requirement “Room allocation to Reserve” in EA
6. IMPORTS / SYNCHRONIZATION OF ELEMENTS

Whenever the user desires, it is possible to import / sync elements between EA and JIRA®. In order to do this:

1. First select the package that contains the items that you want to sync or the destination of the import and select the Menu “Add-Ins | EA Connector for Jira | Import from Jira...”

2. In the absence of a prior authentication, the Add-In is going to request you to authenticate, in order to provide a personalized view of JIRA® projects for which your user has permissions:

![System Authentication dialog box](image)
3. Once the authentication is done, the elements Import window will appear.

4. Select from the drop down list area the JIRA® project that you want to synchronize with the EA package or the package from which you want to import the issues as well as the kind of mapping that is going to be used in the import/synchronization process.
5. The Add-In will display the items to import / sync, and will report the status of synchronization of each element, identifying each one by a different color.

**Green:** Elements that have been created in JIRA® and still do not exist in EA
Elements that have been removed in EA and still exist in JIRA®

**Blue:** Elements modified in JIRA®

**Red:** Elements removed in JIRA® and still exist in EA

![Import elements from Jira](image)

6. Select the elements that you want to Import / Sync and click “Update” button:
7. Once the Import/Synchronization process is done, the following message will appear:
8. You can now proceed to verify how the elements have been imported / sync in EA. The following images show an example of the verification process:

The status of an element has changed to “Validated”, the yellow colored one.

Another requirement shows the modifications made in its description (left) and in the field “Origin” (right).
The Requirement created in JIRA® shows its description and properties:

(REG-4188)
Customer Management
tags
- Criticality = High
- History = <memo>
- Origin = User
- Stability = Unstable
- Type = Quality
7. ELEMENTS RE-EXPORTATION

Whenever the user wants, it is possible to re-export the elements from EA to JIRA®. This can be useful, for example, when changes have been made in the EA artifacts that you want to spread to JIRA® or when you have created or removed EA artifacts from a previously exported package.

In the example that is being developed, it is assumed that a change is made in the name of a previously exported requirement (therefore already in JIRA®), adding to the name “Search for available rooms” the text “for dates range”:

![Image of Requirement window with the modified description]

The system should enable any user to search for available rooms for a certain range of dates, and a room (depending on the number people entered). The data required for the search are: Arrival Date Departure date No. of People. The system will return the availability according to needs. Modified description of the Requirement.
1. First select the package that contains the items to re-export and select the Menu “Add-Ins | EA Connector for Jira | Export to Jira...”

2. In the absence of a prior authentication, the Add-In is going to request you to authenticate, in order to provide a personalized view of JIRA® projects for which your user has permissions:

![System Authentication](image)

**IMPORTANT:** Keep in mind that the user that is authenticated in the system will be considered as the Informer of the Issues to be created in JIRA® as a result of the export process.

3. The element Export window is displayed:

![Element export to Jira](image)
4. Select from the drop down area the JIRA® project that the elements are desired to be re-exported. Once selected you will find the items that can be exported along with an icon indicating the status of sync (new, modified / re-exported and deleted).

Next to each icon, it is possible to activate or deactivate the checkbox to enable or disable the checkbox used to enable or disable all the elements that are in the same status of synchrony:

**Green:** Elements that have been created in EA and still no exist in JIRA®

**Blue:** Elements that exist in JIRA® and can be re-exported

**Red:** Elements that have been removed in EA and still exist in JIRA®
5. Click “Export” button to begin the export process. During this process, you can see the progress and the status of each item:

6. Once the process is done, the following message will appear:

7. Finally, close the window by clicking “Close” button:
8. You can now verify that the element REQ-817 has its Name updated. In addition, the deleted element whose code was REQ-816 is no longer in JIRA®:
8. ABOUT...

This function displays information about the manufacturer of the supplement as well as the address of the support and active license if any.