

CA Release Automation - Atlassian JIRA

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Atlassian JIRA

Action Pack for Atlassian JIRA 10.7.1506

The Action Pack for Atlassian JIRA contains actions that enable you to create workflow processes that perform operations in JIRA.

Actions Implementation

The JIRA actions use the REST API and are executed locally or remotely.

Actions Help

For a list of input and output descriptions for deployed actions, refer to:

- [Atlassian JIRA Actions \(see page 10\)](#) in this document
- The embedded actions help that is available in the installation at <http://<yourdeployment>/nolio-app/actionshelp.jsp>.

Agent Installation

The JIRA server does not require an Agent or client.

Supported Platforms:

- Atlassian JIRA actions in this pack support Atlassian JIRA 6.x
- Atlassian JIRA actions in this pack support CA Release Automation 4.7 and later
- Windows 2008 R2 and Linux Red Hat 6

What's New

The following update was made for 10.7.1506.

- The action, JIRA - Update Issue Status, is fixed to update the specified JIRA issue.

The following update was made for 10.6.1506.

- The following JIRA actions are updated to allow custom input values.

JIRA - Create Issue, input value Custom Issue Type added.

JIRA - Edit Issue, input value Custom Priority added.

JIRA - Resolve Issue, input value Custom Resolution added.

JIRA - Update Issue, input value Change to Custom status added.

The following update was made for 10.5.1506.

- Dependency .zip file added
- JIRA Base URL support added.

The following update was made for 10.4.1506.

- HTTPS support added

Install the Action Pack

Install and use these actions to execute commands and tasks in Atlassian JIRA.

Follow these steps:

1. Deploy the action pack for Atlassian JIRA.
For more information, see [Manage Action Packs and Plug-ins \(https://docops.ca.com/display/NOLIO/.Manage+Action+Packs+and+Plug-ins+v5.0.2\)](https://docops.ca.com/display/NOLIO/.Manage+Action+Packs+and+Plug-ins+v5.0.2).
2. Use JIRA actions in CA Release Automation processes.
For more information, see [Create Processes \(https://docops.ca.com/display/NOLIO/.Create+Processes+v5.5.2\)](https://docops.ca.com/display/NOLIO/.Create+Processes+v5.5.2) in [Deployment Automation \(https://docops.ca.com/display/NOLIO/.Deployment+Automation+v5.5\)](https://docops.ca.com/display/NOLIO/.Deployment+Automation+v5.5).

Prerequisites to Run Atlassian JIRA Actions

To run Atlassian JIRA actions, verify the following prerequisites:

- Download and import the action pack:
 1. Download the action pack from [CA Support \(http://support.ca.com\)](http://support.ca.com).
 2. Copy the action pack .jar and the dependencies .zip files to a local folder.
 3. Import both the action pack .jar and the dependencies .zip into CA Release Automation using Actions Management.

Atlassian JIRA Actions

The Action Pack for Atlassian JIRA provides the following actions:

- [JIRA - Add Issue Comment \(see page 10\)](#)
- [JIRA - Close Issue \(see page 11\)](#)
- [JIRA - Create Issue \(see page 12\)](#)
- [JIRA - Delete Issue \(see page 14\)](#)
- [JIRA - Edit Issue \(see page 15\)](#)
- [JIRA - Get Issue by Key or Id \(see page 17\)](#)
- [JIRA - List Issues by JQL \(see page 18\)](#)
- [JIRA - Resolve Issue \(see page 19\)](#)
- [JIRA - Update Issue Status \(see page 21\)](#)

JIRA - Add Issue Comment

Add comment for an issue.

Input Values

Name	Type	Description
* Comment	String	Comment for issue.
* Issue Key	String	Key of the issue created. For example: we can access the issue by http://address:port/browse/IssueKey (http://address:port). Issue Key always with the format: [ProjectKey-Number], For example, JIR-100
* Password	String	Password for the JIRA login.
* Username	String	Username for the JIRA login.
Address	String	JIRA server address
Base URL	String	The base URL suffix of the JIRA server (host:port/baseURL).
HTTPS Enable	Boolean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Other Role	String	Role name. This input is valid only when you select [Others] for [Role].
Port	Integer	JIRA server port

Name	Type	Description
Proxy Password	Pass word	The password for proxy server
Proxy Port	int	The Port for Proxy Server
Proxy Server	String	The HostName Or IP for Proxy Server
Proxy Username	String	The user name for proxy server
Role	Role Type	The role who can view the comment. The roles in the project the issue belongs to. If null, default value is [All]. If [Others] is selected, set a value to [Other Role].
Timeout (seconds)	Integer	Time to wait until operation finishes. '0' is unlimited wait.

JIRA - Close Issue

Update JIRA Request Ticket status to closed.

Input Values

Name	Type	Description
* Issue Key	String	Key of the issue created. For example: we can access the issue by http://address:port/browse/IssueKey (http://address:port). Issue Key always with the format: [ProjectKey-Number], for example, JIR-100
* Password	Pass word	Password for the JIRA login.
* Username	String	Username for the JIRA login.
Address	String	JIRA server address
Base URL	String	The base URL suffix of the JIRA Server (host:port/baseURL).
Comment	String	Comment for issue.
HTTPS Enable	Boolean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Port	Integer	JIRA server port
Proxy Password	Pass word	The password for proxy server
Proxy Port	int	The Port for Proxy Server

Name	Type	Description
Proxy Server	String	The HostName Or IP for Proxy Server
Proxy Username	String	The user name for proxy server
Timeout	Integer	Time to wait until operation finishes. '0' is unlimited wait. (seconds)

JIRA - Create Issue

Create jira request ticket with a status of open.

Input Values

Username for the JIRA login.Reporter. Default to current logon user. For example: login JIRA username is [User], Display name is [FirstName LastName], input [User] as the reporter.

Name	Type	Description
* Issue Type	String	The issue type. Choose a type definite in the project the issue belongs to. If [Others] is selected, give a value to [Custom Issue Type]. If you select [Epic], give a value to [Epic Name]
* Password	String	Password for the JIRA login.
* Project Key	String	The key of the project which the issue belongs to. For example: in the Projects drop list, there are items with format ProjectName(ProjectKey).
* Summary	String	The summary of the issue you want to create.
* Username	String	Username for login JIRA.
Address	String	JIRA server address
Affects Versions	String[]	Array of versions, each element is a version. For software projects, JIRA allows you to track different versions, for example, 1.0, 2.0. Issues can be assigned to versions configured in the project administration.
Assignee	String	Assignee. Default to current logon user. For example: login JIRA username is [User], Display name is [FirstName LastName], input [User] as the assignee.
Attachments	String[]	Array of file names, each element is a file name. The maximum upload size is 10.00 MB. For example: C:/issueDetail.txt, D:/issueScreenShot.png, E:/issue.zip
Base URL	String	The base URL suffix of the JIRA server (host:port/baseURL).

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Name	Type	Description
Components	String[]	Array of components, each element is a component. Projects can be broken down into components, for example, Database, UI. Issue can then be categorized against different components that are configured in the project administration.
Custom Fields	String[]	Different issues can have different information fields. This input allows client to provide some custom fields that are configured in the project administration. Array of field name and field value pairs, which are separated by equal sign. For example: Epic Link=epicLinkVlue; CustomFieldName1=CustomFieldValue1.
Custom Issue Type	String	Custom Issue Type, the input is valid when you select [Others] for [Issue Type].
Description	String	The description of the issue you want to create.
Due Date	String	Due date. For example, 2013-09-29
Environment	String	For example, operating system, software platform, and hardware specifications (include as appropriate for the issue).
Epic Name	String	Provide a short name to identify this epic in the JIRA Agile boards. This input is valid when you select [Epic] for [Issue Type].
Fix Versions	String[]	Array of versions, each element is a version. For software projects, JIRA allows you to track different versions, for example, 1.0, 2.0. Issues can be assigned to versions configured in the project administration.
HTTPS Enable	Boolean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Labels	String[]	Array of Labels to mark this issue, each element is a label. Do not use a space in the Label.
Original Estimate	String	The original estimate of how much work is involved in resolving this issue. (for example, 3w 4d 12h)
Port	Integer	JIRA server port
Priority	Priority	Issue Priority level which indicates importance of the issue.
Proxy Password	Password	The password for proxy server
Proxy Port	Integer	The Port for Proxy Server
Proxy Server	String	The HostName Or IP for Proxy Server
Proxy Username	String	The user name for proxy server

Name	Type	Description
Remaining Estimate	String	An estimate of how much work remains until this issue is resolved. (For example, 3w 4d 12h)
Reporter	String	
Timeout	Integer	Time to wait until operation finishes. '0' is unlimited wait. (seconds)

Output Values

Name	Type	Description
Issue Id	String	Id of the issue created.
Issue Key	String	Key of the issue created. For example: we can access the issue by http://address:port/browse/IssueKey (http://address:port). Issue Key always with the format: [ProjectKey-Number], For example, JIR-100

JIRA - Delete Issue

Delete a single issue that is based on a given issue id or key.

Input Values

Name	Type	Description
* Issue Key or Id	String	Key or Id of the issue created. For example: we can access the issue by http://address:port/browse/IssueKey (http://address:port) or http://address:port/browse/Issueld (http://address:port) Issue Key always with the format: [ProjectKey-Number], For example: JIR-100
* Password	Password	Password for the JIRA login.
* Username	String	Username for the JIRA login.
Address	String	JIRA server address
Base URL	String	The base URL suffix of the JIRA server (host:port/baseURL).
HTTPS Enable	Boolean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.

Name	Type	Description
Port	Integ	JIRA server port
Proxy Password	Pass word	The password for proxy server
Proxy Port	int	The Port for Proxy Server
Proxy Server	Strin g	The HostName Or IP for Proxy Server
Proxy Username	Strin g	The user name for proxy server
Timeout	Integ er	Time to wait until operation finishes. '0' is unlimited wait. (seconds)
To Delete Sub Tasks	Bool ean	Indicates that subtasks are deleted. If the issue has no subtasks, this parameter is ignored. When the issue has subtasks and this parameter is missing or false, then the issue is not deleted and an error is returned.

JIRA - Edit Issue

Update the existing issue basic information.

Input Values

Assignee. Default to current logon user. For example: login JIRA username is [User], Display name is [FirstName LastName], input [User] as the assignee. Reporter. Default to current logon user. For example: login JIRA username is [User], Display name is [FirstName LastName], input [User] as the reporter.

Array of components, each element is a component. Projects can be broken down into components, for example, Database, UI. Issue can then be categorized against different components that are configured in the project administration.

Name	Type	Description
* Issue Key or Id	Strin g	Key or Id of the issue created. For example: we can access the issue by http://address:port/browse/IssueKey (http://address:port) or http://address:port/browse/IssueId . (http://address:port) Issue Key always with the format: [ProjectKey-Number], For example, JIR-100
* Password	Pass word	Password for the JIRA login.

Name	Type	Description
* Username	String	Username for the JIRA login.
Address	String	JIRA server address
Affects Versions	String[]	Array of versions, each element is a version. For software projects, JIRA allows you to track different versions, for example, 1.0, 2.0. Issues can be assigned to versions configured in the project administration.
Assignee	String	Default to current logon user. For example, login JIRA username is [User]. Display name is [FirstName LastName], please input [User] as the assignee.
Attachments	String[]	Array of file names, each element is a file name. The maximum upload size is 10.00 MB. For example: C:/issueDetail.txt, D:/issueScreenShot.png, E:/issue.zip
Base URL	String	The base URL suffix of the JIRA server (host:port/baseURL).
Components	String[]	Array of components, each element is a component. Projects can be broken down into components, for example, Database, UI. Issue can then be categorized against different components configured in the project administration.
Custom Issue Type	String	Custom Issue Type, the input is valid when you select [Others] for [Issue Type].
Custom Priority	String	Custom Priority, this input is valid you when select [Others] for [Issue Priority]
Description	String	The description of the issue you want to create.
Due Date	String	Due date. For example, 2013-09-29
Environment	String	For example, operating system, software platform and hardware specifications (include as appropriate for the issue).
Epic Name	String	Provide a short name to identify this epic in the JIRA Agile boards. This input is valid when you select [Epic] for [Issue Type].
Fix Versions	String[]	Array of versions, each element is a version. For software projects, JIRA allows you to track different versions, for example, 1.0, 2.0. Issues can be assigned to versions configured in the project administration.
HTTPS Enable	String	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Issue Type	Issue Type	The issue type. Choose a type definite in the project the issue belongs to. If [Others] is selected, give a value to [Custom Issue Type]. If you select [Epic], give a value to [Epic Name].
Labels	String[]	Array of Labels to mark this issue, each element is a label. Do not use a space in the Label.

Name	Type	Description
Original Estimate	String	The original estimate of how much work is involved in resolving this issue. (For example, 3w 4d 12h)
Port	Integer	JIRA server port
Priority	Issue Priority	Priority level which indicates importance of the issue.
Proxy Password	Pass word	The password for proxy server
Proxy Port	int	The Port for Proxy Server
Proxy Server	String	The HostName Or IP for Proxy Server
Proxy Username	String	The user name for proxy server
Remaining Estimate	String	An estimate of how much work remains until this issue is resolved. (For example: 3w 4d 12h)
Reporter	String	Reporter. Default to current logon user. For example: login JIRA username is [User], Display name is [FirstName LastName], please input [User] as the reporter.
Summary	String	The summary of the issue you want to update.
Timeout	Integer	Time to wait until operation finishes. '0' is unlimited wait. (seconds)

JIRA - Get Issue by Key or Id

Get issue details based on a given issue iD or key.

Input Values

Name	Type	Description
* Issue Key or Id	String	Key or Id of the issue created. For example: we can access the issue by http://address:port/browse/IssueKey (http://address:port) or http://address:port/browse/IssueId . (http://address:port) Issue Key always with the format: [ProjectKey-Number], For example: JIR-100

Name	Type	Description
* Password	String	Password for the JIRA login.
* Username	String	Username for the JIRA login.
Address	String	JIRA server address
Base URL	String	The base URL suffix of the JIRA server (host:port/baseURL).
HTTPS Enable	Boolean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Port	Integer	JIRA server port
Proxy Password	String	The password for proxy server
Proxy Port	Integer	The Port for Proxy Server
Proxy Server	String	The HostName Or IP for Proxy Server
Proxy Username	String	The user name for proxy server
Timeout (seconds)	Integer	Time to wait until operation finishes. '0' is unlimited wait.

Output Values

Name	Type	Description
Details of the Issue	String	Details of the issue in JSON format

JIRA - List Issues by JQL

Query and retrieve a set of issues that are based on a JQL query.

Input Values

Name	Type	Description
* JQL Expression	String	JQL Expression

Name	Type	Description
* Password	Pass word	Password for the JIRA login.
* Username	String	Username for the JIRA login.
Address	String	JIRA server address
Base URL	String	The base URL suffix of the JIRA server (host:port/baseURL).
HTTPS Enable	Boolean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Port	Integer	JIRA server port
Proxy Password	Password	The password for proxy server
Proxy Port	int	The Port for Proxy Server
Proxy Server	String	The HostName Or IP for Proxy Server
Proxy Username	String	The user name for proxy server
Timeout (seconds)	Integer	Time to wait until operation finishes. '0' is unlimited wait.

Output Values

Name	Type	Description
Issue List	String[]	Issue list, list issue key, and summary of each issue (key:summary)

JIRA - Resolve Issue

To resolve an issue.

Input Values

Assignee. Default to current logon user. For example: login JIRA username is [User], Display name is [FirstName LastName], input [User] as the assignee.

Name	Type	Description
* Issue Key or Id	String	Key or Id of the issue created. For example: we can access the issue by http://address:port/browse/IssueKey (http://addressport) or http://address:port/browse/Issued . (http://addressport) Issue Key always with the format: [ProjectKey-Number], For example: JIR-100

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Name	Type	Description
* Password	Pass word	Password for the JIRA login.
* Resolution	Reso lutio n	Select a resolution type.
* Username	Strin g	Username for the JIRA login.
Address	Strin g	JIRA server address
Assignee	Strin g	Default to current logon user. For example, login JIRA username is [User]. Display name is [FirstName LastName], please input [User] as the assignee.
Base URL	Strin g	The base URL of the JIRA server (host:port/baseURL)
Comment	Strin g	Comment for resolve issue.
Custom Resolution	Strin g	Custom Resolution, the input is valid when you select [Others] for [Resolution].
Fix Versions	Strin g[]	Array of versions, each element is a version. For software projects, JIRA allows you to track different versions, for example, 1.0, 2.0. Issues can be assigned to versions configured in the project administration.
HTTPS Enable	Bool ean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Other Role	Strin g	Role name. This input is valid only when you select [Others] for [Role].
Port	Integ er	JIRA server port
Proxy Password	Pass word	The password for proxy server
Proxy Port	int	The Port for Proxy Server
Proxy Server	Strin g	The HostName Or IP for Proxy Server
Proxy Username	Strin g	The user name for proxy server
Role	Role Type	The role who can view the comment. The roles in the project the issue belongs to. If null, default value is [All]. If [Others] is selected, set a value to [Other Role].

Name	Type	Description
Timeout	Integer	Time to wait until operation finishes. '0' is unlimited wait. (seconds)

JIRA - Update Issue Status

Performs operation Start, Stop, Done, Reopen, Start Review, To Do, Start Progress and more on an issue.

Input Values

Name	Type	Description
* Change Status	Transaction	[Reopen] is for project type [Simple Issue Tracking] and [Software Development]. [ReopenIssue] is for project type [Project Management], [JIRA Classic], [Agile Kanban] and [Agile Scrum].
* Issue Key or Id	String	The Key or Id of the issue created. Example: Access the issue by using http://address:port/browse/issueKey or (http://addressport/) http://address:port/browse/issueId . (http://addressport/) Issue Keys are with the format: [ProjectKey-Number], Example: JIR-100
* Password	Password	Password that is used for the JIRA login.
* Username	String	Username that is used for the JIRA login.
Address	String	The JIRA server address
Assignee	String	The Assignee. Example: The login JIRA username is [User], Display name is [FirstName LastName], input [User] as the assignee. Only valid when [ReopenIssue] is selected.
Base URL	String	The base URL suffix of the JIRA server (host:port/baseURL).
Change to Custom Status	String	Custom Status, the input is valid when you select [Others] for [Change to custom status].
Comment	String	Comment for the reopen issue. Only valid when [ReopenIssue] is selected.
HTTPS Enable	Boolean	Enable or Disable HTTPS. If you use HTTPS to connect, do not use the email address as username. The username can be found in Jira->Settings->Profile.
Port	Integer	JIRA server port
Proxy Password	Password	The password for the Proxy Server

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Name	Type	Description
Proxy Port	int	The Port for the Proxy Server
Proxy Server	String	The HostName Or IP for the Proxy Server
Proxy Username	String	The user name for proxy server
Timeout	Integer (seconds)	Time to wait until the operation is finished. '0' is unlimited wait.