Atlassian Crowd and JIRA Integration

Overview

The integration between Artifactory and Crowd/JIRA allows you to delegate authentication requests to Atlassian Crowd/JIRA, use authenticated Crowd/JIRA users and have Artifactory participate in a transparent SSO environment managed by Crowd/JIRA.

Usage

Crowd integration can then be configured in the **Admin** module under **Security | Crowd/JIRA**.

Crowd / JIRA Users Management Configuration

Server Settings

☑ Enable Crowd / JIRA Users Management Integration

Users Management Server: Crowd | JIRA

Server URL *

Application Name *

Application Password *

Session Validation Interval (Min) * ⑦

0

☐ Use Default Proxy Configuration ⑦

☑ Auto Create Artifactory Users ⑦

☐ Allow Created Users Access To Profile Page ⑦

Test

Field Name	Description
Enable Crowd / JIRA Users Management Integration	Set this checkbox to enable security integration with Atlassian Crowd or JIRA.
User Management Server	Select which User Management Server you are using.
Server URL	The full URL of the server to use.
Application Name	The application name configured for Artifactory in Crowd/JIRA.

Crowd Application Password	The application password configured for Artifactory in Crowd/JIRA.
Session Validation Interval	The time window, in minutes, in which the session does not need to be revalidated.
Use Default Proxy Configuration	If this checkbox is set and a default proxy definition exists, it is used to pass through to the Crowd/JIRA Server.
Auto Create Artifactory Users	When automatic user creation is off, authenticated users will not be automatically created inside Artifactory. Instead, for every request from a Crowd/JIRA user, the user is temporarily associated with default groups (if such groups are defined), and the permissions for these groups applies. Without automatic user creation, you will need to manually create the user inside Artifactory in order to manage user permissions that are not attached to their default groups.
Filter by Group Name	Filter the search to see only groups of the specified username. If unchecked, all Crowd groups are shown.
Allow Created Users Access To Profile Page	Allows new users who were created by logging in to Artifactory via Crowd to access their profile page

To enable Crowd/JIRA integration:

1. Select which User Management Server you are using. If you select JIRA, SSO will be disabled since it's not supported by JIRA.
2. Define Artifactory as a Custom Application Client inside Crowd.
3. Complete the Crowd server URL, and the application credentials defined in Step 1.
4. The session validation interval defines the principal token validity time in minutes. If left at the default of 0, the token expires only when the session expires.
5. If you are using JIRA User Server provide it's URL in the "Crowd Server URL" and check the "Use JIRA User Server". This will disable SSO, which is not supported by JIRA.
6. If you have a proxy server between the Artifactory server and the Crowd server, you may set the `Use Default Proxy Configuration` check-box.
7. You may instruct Artifactory to treat externally authenticated users as temporary users, so that Artifactory does not automatically create them in its security store. In this case, permissions for such users are based on the permissions given to auto-join groups.
8. Test the configured connection and save it.

> ⊘ **System properties**
>
> Crowd configuration properties may be added to the run time system properties or to the `$ARTIFACTORY_HOME/etc/artifactory.system.properties` file.
>
> **NOTE** that setting a configuration through properties overrides configurations set through the user interface.

Crowd Groups

To use Crowd/JIRA groups:

1. Set up a Crowd server for authentication as detailed above.
2. Verify your setup by clicking the `Refresh` button on the **Synchronize Crowd Groups** sub-panel. A list of available Crowd groups, according to your settings is displayed.
3. The groups table allows you to select which groups to import into Artifactory and displays the sync-state for each group. A group can either be completely new or may already exist in Artifactory.
4. Select and import the groups that you wish to import to Artifactory. Once a group is imported (synced) a new external Crowd group is created in Artifactory with the name of the group.

Synchronize Crowd Groups

Filter by: **Username**   Group Name

Filter by User Name

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Group Name	Description	Synced

You can Manage Permissions on the synced Crowd groups in the same way you manage them for regular Artifactory groups.

Users association to these groups is external and controlled strictly by Crowd.

⚠ Ensure the Crowd group settings is enabled in order for your settings to become effective.