

Authentication

Overview

From Mission Control version 3.0, local user management has been replaced with a central authentication mechanism using an Authentication Provider configured on an Artifactory service.

Requirements

- JFrog Artifactory version 5.10.0.
- The Artifactory service needs to be online to perform authentication at all times. If the Artifactory service is down, only the Mission Control Admin has access and can manage Mission Control.

The Authentication Provider supports:

- User authentication to Mission Control via the Authentication Provider Artifactory service.
- Users and groups that are created and managed in the Artifactory service.
- Permissions that are created in Mission Control but are stored in the Authentication Provider.

Mission Control supports a set of dedicated permissions that are created by the admin Mission Control but are stored in the Artifactory Authentication Provider. Users with no Mission Control permissions can log in to Mission Control but will receive an error message stating they have no permissions to proceed. For more information, see [Permissions](#).

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Authentication Provider

The Authentication Provider is configured on a dedicated Artifactory prior to installing Mission Control and needs to be added to Mission Control as part of Mission Control onboarding wizard.

The Authentication Provider can be changed under Admin menu **Security | Authentication Provider**. Once configured, you can then proceed to assign [Permissions](#) to users and groups that are managed by the Artifactory instance you set as the Authentication Provider.

Assigning the Authentication Provider During Onboarding

The Authentication Provider is configured within a step in the [Mission Control Onboarding Wizard](#). The wizard appears when you launch Mission Control for the first time. If you are upgrading from a previous version to Mission Control Enterprise Plus, you can select an existing Artifactory service or in case of a new installation.

Important

Selecting an Authentication Provider is mandatory and cannot be skipped in the wizard. Until the Authentication Provider is set you will not be able to access Mission Control and the wizard will continue to launch until this task is completed.

Upgrading to Enterprise Plus preserves Predefined Services

When Upgrading to Enterprise Plus, Mission Control stores your existing Artifactory and Xray services. Starting Mission Control detects your existing services and displays the Artifactory services in the Onboarding Wizard.

In the Mission Control wizard:

1. Create a new or select an existing Artifactory service.
2. Add a license bucket to the service.
3. Assign the Artifactory as the Authentication Provider.

Authentication Provider

Select or add an Artifactory service to serve as your Authentication Provider.

Create New Service

Service Settings

Name * Site

URL * Description

Set Credentials

User Name * Password *

● ● ● ● ●

Authentication Provider

Select or add an Artifactory service to serve as your Authentication Provider.

Set Credentials

User Name * Password *

Attach License Key

Proxy (Optional)

● ● ● ● ●

Viewing the Authentication Provider

In the **Service** view, the Artifactory service assigned as the Authentication Provider is tagged with a dedicated icon as displayed below.

🕒
JFrog Mission Control
🔍
➕ Add Service
📄 Execute Script
✅
Welcome, insight (Log Out)
Help

Services

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Filter by Name

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Ty...	Name	URL	Version	Status	Status D...	Site	License	License v...
🌐	Bengaluru	https://bangalore.jfrog.io/b...	5.9.0-p001	ONLINE	🟢	Singapore	ENTERPRISE	
🌐	JFrog Dev Jenkins	https://ci.jfrog.info	2.89.3	ONLINE	🟢	New Zealand		
🌐	NinetyTwo P	http://10.70.10.92:8081/arti...	5.9.0	ONLINE	🟢	Bengaluru	ENTERPRISE	Dec 30, 2018

Reassigning the Authentication Provider

You can reassign the Authentication Provider to a different Artifactory service. When you select a different Authentication Provider:

- You need to recreate the permissions on the new Authentication Provider as the existing permissions on the previous Authentication Provider are not accessible.
- The Mission Control admin permission is not deleted.
- The Mission Control admin will need to recreate the permissions.



Changing the Authentication Provider in JFrog Distribution and JFrog Xray

JFrog Distribution

When reassigning the authentication provider in Mission Control, JFrog Distribution services which were using that authentication provider do not get updated automatically.

You need to [Reset the Authentication Provider Pairing](#) as described in the JFrog Distribution User Guide.

JFrog Xray

JFrog Xray authentication provider is configured directly in Xray as described in [Configuring an Authentication Provider](#) in the JFrog Xray User Guide, therefore, changing the authentication provider in Mission Control will not have any effect on the authentication provider used for Xray.

Deleting an Authentication Provider is Denied

You can reassign an Authentication Provider to another Artifactory service but it can not be deleted.

To select a different Artifactory service as the Authentication Provider, in the **Admin** module select **Security | Authentication Provider** page and click **Save**.

Jfrog Mission Control | Add Service | Execute Script | Welcome, insight (Log Out) | Help

Authentication Provider

Selecting an authentication provider allows Mission Control users to authenticate using LDAP and manage permissions for users and groups imported from the selected Artifactory service

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Filter by Name Page 1 of 1

Ty...	Name	URL	Version	Status	Status ...	Site	License	License...
<input type="radio"/>	Bengaluru	https://bangalore.jfrog.io/ba...	5.9.0-p001	ONLINE	✔	Singapore	ENTERPRI...	
<input type="radio"/>	NinetyTwo	http://10.70.10.92:8081/artif...	5.9.0	ONLINE	✔	Bengaluru	ENTERPRI...	Dec 30, 2...
<input checked="" type="radio"/>	clouddeploy	https://clouddeploy.jfrog.io/c...	5.10.0	ONLINE	✔	New Zeal...	ENTERPRI...	

Cancel **Save**