

Release Notes

Overview

This page presents release notes for JFrog Artifactory describing the main fixes and enhancements made to each version as it is released. For a complete list of changes in each version, please refer to the [JIRA Release Notes](#) linked at the end of the details for each release.

If you need release notes for earlier versions of Artifactory, please refer to the [Release Notes](#) in the Artifactory 5.x User Guide.

Download

For an Artifactory Pro or Artifactory Enterprise installation, click to download the latest version of [JFrog Artifactory Pro](#).

For an Artifactory OSS installation, click to download the latest version of [JFrog Artifactory OSS](#).

For an Artifactory CE for C/C++ (Conan) installation, click to download the latest version of [JFrog Artifactory for C/C++ \(Conan\)](#).

Previous Versions

Previous versions of JFrog Artifactory Pro and JFrog Artifactory OSS are available for download on JFrog Bintray.

Click to download previous versions of [JFrog Artifactory Pro](#).

Click to download previous versions of JFrog Artifactory OSS as a [ZIP](#) or [RPM](#).

Upgrade Notice

Artifactory 5.5 implements a database schema change to natively support SHA-256 checksums. This change affects the upgrade procedure for an Enterprise Artifactory HA cluster (upgrading an Artifactory Pro or OSS installation is not affected).

For an Artifactory Enterprise HA cluster, **if your current version is 5.4.6**, you may proceed with the normal upgrade procedure described in [Upgrading an Enterprise HA Cluster](#).

If your current version is below 5.4.6, there are two options to upgrade to the latest version (5.5 and above): a two-phase option with zero downtime or a single phase option that incurs downtime.

For details, please refer to the [Upgrade Notice](#) under the release notes for [Artifactory 5.5.1](#).



Longer upgrade time

Due to the changes implemented in version 5.5, upgrading to this version or above from version 5.4.6 or below may take longer than usual and depends on the database you are using.

For an Artifactory Pro installation and for the Primary node of an Artifactory HA cluster, if you use MySQL database, the upgrade may take up to 5 minutes for each 1 million artifacts in your repositories for a typical setup. If you are using one of the other supported databases, the extra upgrade time will be less noticeable and should only take several seconds longer than usual.

Installation and Upgrade

For installation instructions please refer to [Installing Artifactory](#).

To upgrade to this release from your current installation please refer to [Upgrading Artifactory](#).

 *To receive automatic notifications whenever there is a new release of Artifactory, please watch us on [Bintray](#).*

Known Issues

For a list of known issues in the different versions of Artifactory, please refer to [Known Issues](#).

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Artifactory 6.17

Released: January 12, 2020

Highlights

Docker Improvements

Introduced performance improvements for Docker remote repositories.

Feature Enhancements

Support for Smart Remote Repositories on JCR (with E+)

From version 6.17, JCR supports pulling artifacts using Smart Remote Repositories. This enhancement allows pulling artifacts from other Artifactory instances (ones with Enterprise+ or Edge license), just like any remote repository.

Storage Summary Supports Large Instances

The storage summary feature (whether invoked from the UI or from the REST API) now uses a cache so it can quickly display the summary data of very large instances, consisting of many repositories with many artifacts. By default, the storage summary is calculated every hour and saved in the cache, but a system parameter allows the administrator to readjust the time and frequency of the calculation. The Storage page in the UI has a Refresh button for manually refreshing the data. The REST API has a new POST method that returns an immediate response and schedules an asynchronous calculation.

npm Virtual Repository Support for SemVer

The external dependency rewrite feature for the npm virtual repository now supports additional SemVer expressions, such as `semver:4.x.0`.

Now if you encounter SemVer issues, you can revert the changes using the new feature flag, `artifactory.npm.semver4j.enabled`, by changing its value to false.

In addition, a bug was fixed where Git and GitHub URLs with slashes resulted in an "Unable to determine download URL" error. For example: <git://github.com/a/b.git#cd>.

Resolved Issues

JIRA Issue	Description
RTFACT-20906 , RTFACT-20825	Fixed an issue for Internet Explorer 10/11 users in which the Build Browser and Permissions Management pages would be empty even though builds or permissions existed in the system.
RTFACT-20885	Fixes an issue, whereby upgrading from several versions prior to 6.14, to any version from 6.14 and later, might change the permissions on some files under the /data directory, from the artifactory user to the root user, thus making it impossible for the artifactory user to start Artifactory as a service.
RTFACT-20883	Fixed an issue which occurred with HA clusters on high concurrency, where a deadlock resulted when each request sent to each node must wait for the other node to unlock its cache.
RTFACT-20675	Access tokens created by users with a username containing the @ character will now be displayed in the Access Tokens page.
RTFACT-19062	Fixed an issue where non-admin users were able to set the Allow Download option and enable downloading artifacts that have been blocked by Xray.
RTFACT-17718	SAML users can now log out of Artifactory from any page without being redirected to the Artifactory Homepage.
RTFACT-17708	Anonymous users attempting to download files blocked by Xray will now get an HTTP 403 status code with a clear message describing the issue. Previously such attempts would receive an HTTP 401 Unauthorized status code.
RTFACT-17024	Fixed an issue where balancing (optimization) between redundant storage units of a sharded filestore was not performed correctly for binaries located only on a shard's cache layer.
RTFACT-20170 (Docker)	Added support for pulling images using containerd (ctr client version 1.3.0) .
RTFACT-20686 (Docker)	Docker marker files will now not be replicated when executing a pull replication.
RTFACT-17773 (Docker)	Anonymous users can now download Foreign Layers when pulling Docker images.
RTFACT-20625 (Helm)	Fixed an issue when requesting to re-index a Helm repository, charts that were previously queued to be indexed will not be queued to be indexed again.
RTFACT-18095 (npm)	Added validation for npm remote repository metadata so in case there is an issue with the upstream, corrupted metadata will not be cached.
RTFACT-20712 (Conan)	When resolving packages from a virtual Conan repository, when an error occurs with an individual repository, the process will continue to search the next repository in the queue.
RTFACT-18567 (NuGet)	Artifactory now supports case-insensitive package IDs that are provided for NuGet install commands.
RTFACT-20810 (NuGet)	NuGet V2 install commands will not be blocked while a NuGet repository is being built in cache.
RTFACT-20805 (NuGet)	The time required for building a NuGet repository in cache is now significantly shorter.
RTFACT-20803 (NuGet)	Improved NuGet V2 Virtual Repository API performance.

RTFACT-20427 (NuGet)	Artifactory can now handle NuGet packages with pre-release versions that are located under the root directory.
RTFACT-19886 (NuGet)	Fixed an issue where using the <code>nuget list</code> command for searching a virtual NuGet repository resulted in only the last package being displayed.
RTFACT-18577 (Chocolatey)	Fixed an issue where using the <code>choco list</code> command for searching a virtual NuGet repository resulted in only the last package being displayed.
RTFACT-18135 (Conda)	Improved the calculation of Conda metadata so that it now supports <code>noarch</code> , <code>features</code> , and <code>track_features</code> .
RTFACT-20746 (PyPI)	Fixed an issue where in some cases when attempting to install packages from a PyPI smart remote repository, a 404 error would result.
RTFACT-20160 (Go)	Fixed a checksum mismatch when a user downloads a Go module from a Go remote repository pointing to GitHub.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.16

Released: December 1, 2019

Highlights

Upgraded the Microsoft Azure Storage SDK version included in Artifactory to V8

Artifactory has been upgraded to support Microsoft Azure Storage SDK for Java v8 enabling users to upload files larger than 12GB in the Azure Blob storage.

Running 'go get' commands from Github are Supported for Go Version 1.13 and Above

Artifactory supports serving and caching 'gosumdb' requests from a GoSumDb provider - for example, GoCenter.

Updated 'Set Me Up' for PyPI

The 'Set Me Up' function for PyPI remote repositories now includes your user credentials, thus allowing you to resolve packages using the 'pip install <package>' request without having to reinsert your Artifactory credentials for each request.

Issues Resolved

JIRA Issue	Description
RTFACT-18718	Artifactory now supports indexing of npm packages versions, containing build metadata, enabling packages to be resolved by the npm client.
RTFACT-19110	Running "docker pull" on images with schema 1 download the manifest.json file, using the correct file name of 'list.manifest.json'.
RTFACT-19146	Improved the copying and processing Conan packages from one repository to another. Under certain circumstances in the past, during the copy/move process, the 'index.json' locks error was generated causing the process to take longer than expected and eventually failed.
RTFACT-19586	Under certain circumstances, Conan packages were copied or promoted, sometimes causing the index file to be overwritten by the package.json from the source with the revision of the destination until the next re-indexing process ran.
RTFACT-20380	Running the 'go get' command from Github, returns the correct pre-release version names.
RTFACT-20031	Resolving packages according to properties is now configurable and can be enabled using an Artifactory system property. Artifactory will no longer support resolving packages from an incorrect path by properties alone.
RTFACT-20410	All 'Pull' replications will not run after enabling the 'Global Replication Blocking' configuration.

RTFACT-20424	When working with Go artifacts, any potential connection leaks are prevented when working In FullDB mode, whereby a GO artifact with a 'zip' extension is requested from a remote in Artifactory, and the artifact exists in the remote repository-cache but not in the file-system cache-fs.
RTFACT-16926	Artifactory indexes Helm packages uploaded with an empty 'requirements.yaml' file.
RTFACT-20717	Docker and Helm repositories are only available for JFrog Container Registry, JFrog Pro licenses and above.
RTFACT-15685	Using Artifactory Query Language, with several virtual repositories, returns the full list of results based on the query used.
Access-related Issues	
	The 'access_federation_log' table does not get overpopulated when using Access Federation.
	Implemented a "file-system" PATCH mechanism for patching Access's configuration using an <i>access.config.patch.yaml</i> file.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.15

Released: November 18, 2019

Highlights

Docker Manifest V2 Schema 2 Support

To align with the [Docker manifest V2 Schema 1 deprecation](#), Artifactory by default will now [support blocking Schema 1 requests](#). Only Docker images with the latest [manifest V2 Schema 2](#) will be supported for:

- Push requests, for new local repositories.
- Pull requests, for new remote repositories.

Existing local and remote repositories will continue to support both schemas.

Configuration can be changed at any time via [REST API](#) (using the `blockPushingSchema1` flag) or the UI.

Make sure you are using the latest Docker client versions, which will automatically convert your images accordingly. Artifactory will continue to allow Scheme 1 pull requests.

Cloud Object Storage Supported for Artifactory Pro Licenses

Artifactory Pro now supports using cloud object storage from the major SaaS providers. Previously an Enterprise only feature, Artifactory Pro users can now use Amazon's S3, Google's Cloud Storage, or Azure's Blob Storage as their binary provider. An Enterprise license is still required for other object storage providers, such as OpenStack Swift or NetApp's StorageGRID.

Issues Resolved

JIRA Issue	Description
RTFACT-19629	Fixed an issue where in large environments <code>docker push</code> was slow when a layer or Docker image existed in more than one Docker repository.
RTFACT-19110	Fixed an issue where <code>docker pull</code> on specific images did not download the <i>manifest.json</i> file.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.15.1

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.14

Released: November 3, 2019

Highlights

Significant UI Performance Improvements

Artifactory 6.14 applies server-side pagination in the UI resulting in faster page load performance for the Builds, Permissions and Search pages.

Ubuntu 18.04 Support

Installing Artifactory on Ubuntu 18.04 is now supported.

GoProxy Support

Artifactory now allows you to configure the Golang proxy (proxy.golang.org) as a remote repository in addition to [JFrog GoCenter](#).

Feature Enhancements

Xray Integration Improvements

Added an improved Xray indexing mechanism to support a vast amount of repositories, containing larger numbers of binaries. Artifactory saves every Xray event with a unique constraint according to the package type and component path, thereby resolving the indexing-duplication.

Issues Resolved

JIRA Issue	Description
RTFACT-20283	During the RPM installation or upgrade, Artifactory now eliminates the CHOWN recursive on <code>'/var/opt/jfrog/artifactory'</code> , resulting in a much faster upgrade process.
RTFACT-20435	Go deployment via the JFrog CLI automatically sets the original checksum.
Systemd Related Issues	
RTFACT-20088	Artifactory supports RPM Installations for Red Hat 8. <div> Pre-Upgrade Fix Prior to upgrading to Artifactory 6.14, run the following systemd fix procedure described in the RPM Installation Upgrade section.</div>
RTFACT-16618	Artifactory supports Debian installation for Ubuntu 18.04 LTS. <div> Pre-Upgrade Fix Prior to upgrading to Artifactory 6.14, run the following systemd fix procedure described in the Debian Installation Upgrade section.</div>
RTFACT-20399	Added support for systemd interaction with Artifactory for Red Hat 8.
RTFACT-20382	Added support for systemd interaction with Artifactory for Red Hat 7.7.
RTFACT-20384	The systemctl works with Zip installation on RHEL 7.7.
RTFACT-20383	The Artifactory service successfully starts with Zip installation on Ubuntu 18.04.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.14.1

Released: November 11, 2019

Issues Resolved

JIRA Issue	Description
RTFACT-20386	The default behaviour of expirable Docker images, implemented in Artifactory v 6.13 (RTFACT-20140) , has been reverted back to make every Docker manifest expirable.
RTFACT-20543	Downloading artifacts in the Artifactory UI using the 'Download' button is now available for users who faced functionality issues.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.14.2

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.13

Released: October 6, 2019



Artifactory instances working with a Microsoft SQL database

If you are running with Microsoft SQL database, after upgrading to version 6.13, deploying/deleting artifacts/directories and deleting existing repositories will fail with an error.

For example, "Could not check if Repo path 'generic-local:foo.bar' is related to a Release Bundle"

If your Artifactory instance is working with Microsoft SQL database, upgrading to version 6.13 is not recommended. Upgrade to Version 6.13.1 instead.



Deprecation Notice

The following features will be deprecated in the next major Artifactory 7.0 release:

License Control

The existing [License Control](#) functionality in Artifactory, used for retrieving license information for your packages and builds, will be removed. Alternatively, you will be able to use JFrog Xray's broad license scanning capabilities that natively integrates with Artifactory.

AJP Connector

[AJP connector](#) support will be removed.

Highlights

UI performance improvements

Artifactory 6.13 includes performance improvements by introducing server-side pagination, allowing faster loading of data in the UI. This will apply to the following pages:

1. [Artifact Repository Browser](#) - the tree browser will now load repositories and their content paginated.
Note: Due to this change, the *Find* functionality in the tree browser will now only search repositories loaded from the server (i.e. repositories currently visible in the tree view).
2. [Home Screen](#) - the repositories list will now be paginated.

Replication Improvements

The replication process of repositories with many files has been enhanced to avoid most unexpected disconnections. This is done by saving a compressed file list of the target repository on the source Artifactory instance. The comparison of the file lists between the source and the target will now be done on the source instance.

 [Learn More >](#) how to tune Cron Replication for a large number of artifacts.

API for setting and getting group membership for users

The [Get Group Details](#) and [Update Group](#) REST APIs have been updated to enable getting or setting users in a specific group.

- Get all users associated with the group
- Add a list of users to the group

Feature Enhancements

JIRA Issue	Description
RTFAC T-14728	Artifactory will now automatically clean up the <code>_uploads</code> folder that contains incomplete Docker images (i.e. Docker layers that were pushed to Artifactory until the push failed for any reason).
RTFAC T-20140	To improve performance for Docker remote repositories, Artifactory will now re-fetch Docker images on demand only for Docker images that are tagged as <code>latest</code> . Previously, Artifactory would try to re-fetch the metadata for all tags. To set additional tags that Artifactory will re-fetch from the upstream, add the required properties to the <code>artifactory.docker.expired.tags</code> in the <code>artifactory.system.properties</code> file. Note: The resource expiry is based on the remote repository Retrieval Cache Period configuration. For example, to ensure that <code>latest</code> , <code>tag-x</code> , <code>tag-y</code> will be expirable, the following property can be added: <code>artifactory.docker.expired.tags=latest,tag-x,tag-y</code>
RTFAC T-20011	Filtering NuGet packages according to the Author of the package is now supported.
RTFAC T-19060	Added a new <code>build.started</code> field to AQL , representing the build start time. The value for this field is directly taken from the relevant build's <code>build-info.json</code> file. The field is immutable, and does not change upon build promotion or build replication.
RTFAC T-14923	Added a new REST API to delete multiple build numbers . This includes build numbers containing special characters.
RTFAC T-9066	Artifactory will now validate the database case sensitivity configuration during startup. To enable, set the <code>artifactory.shutdown.on.invalid_db_scheme</code> flag in the <code>artifactory.system.properties</code> file to true and restart Artifactory. A warning message will be displayed in the Artifactory log files when this validation fails.

Issues Resolved

JIRA Issue	Description
RTFACT-19006	Editing an existing property from the tree browser view in the UI will now work.
RTFACT-19896	Fixed an issue where creating a property set of type "Any Value" would fail with an exception.
RTFACT-17923	Fixed an issue where expanding Archived items with many entries, the tree view of the UI, caused Artifactory to crash with out of memory.
RTFACT-16954	Fixed an issue where using the <code>artifactory.config.import.yml</code> to setup Artifactory would result in a parsing error during the first run.
RTFACT-15146	Fixed an issue where Docker pull replication failed when the source instance did not have read permission for anonymous users. Both Artifactory instances must be upgraded to version 6.13.
RTFACT-19625	Fixed an issue where Docker smart remote repositories returned the wrong Docker schema to the client, when the retrieval cache period was set to zero.
RTFACT-19791	Fixed an issue where <code>npm audit</code> calls would sometimes fail, in cases where Artifactory would work with Xray and did not get the response from <code>npm audit</code> in time.

RTFACT-19365	Fixed an issue where in some npm operations (e.g. <code>npm dist-tag add</code> command), Artifactory would open a new thread and not close it once the operation is complete.
RTFACT-19423	Fixed an issue where ETag header was not returned with npm metadata URL on 304 (Not modified) response, as opposed to 200 (OK) response. This was fixed for local, remote and virtual repositories.
RTFACT-19005	An access token can now be used for authentication with the <code>/api/npm/{repo-name}/auth</code> endpoint and therefore used for resolution and deployment inside the <code>.npmrc</code> .
RTFACT-19949	It is now possible to install a Conan package from remote or virtual repositories if AWS S3 storage redirect is enabled.
RTFACT-18428	Adding and modifying the <code>vcsType</code> and <code>vcsGitProvider</code> fields when creating/modifying repositories that require these fields, such as Go and VCS repositories, is now possible.
RTFACT-17643	Fixed an issue where Debian and Opkg package control files were indexed with the byte-order-marks as part of the encoding.
RTFACT-15793	Fixed an issue where PHP Compose remote repositories did not cache binary artifacts when set to proxy a remote repository in another Artifactory instance.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.13.1

Released: October 8, 2019

Issues Resolved

JIRA Issue	Description
RTFACT-20296	Fixed an issue in which deploying/deleting artifacts/directories and deleting existing repositories would fail when running Artifactory with Microsoft SQL database.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.13.2

Released: December 2, 2019

Issue Resolved

- Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.12

Released: August 18, 2019

Highlights

Support for Smart Remote Repositories on Edge Nodes

From version 6.12, [Artifactory Edge](#) supports pulling artifacts using [Smart Remote Repositories](#). Previously distributing artifacts to an Edge Node could only be done using Release Bundles. This enhancement allows [pulling artifacts from other Artifactory instances](#) (ones with Enterprise+ or Edge licenses), just like any remote repository.

Support for remote repositories (that are not Smart Remote) is not available. For example, creating a remote repository pointing to Docker hub is not supported.

This feature is available as a JFrog Artifactory On-Premise installation and requires a JFrog Enterprise+ or JFrog Artifactory Edge license.



Pull replication is not available.

S3 Cloud Storage Provider Using the Official AWS SDK

Artifactory now supports using S3 cloud storage provider using the official AWS SDK. S3 using JetS3t library is still supported, upon upgrade you are not required to make any changes.

To opt-in and use the new S3 template, [see here](#).

Pull Latest Docker Image from Virtual Repository

You can now set your [Virtual Docker repositories](#) to pull Docker images according to their modification time in scenarios where two or more aggregated repositories contain the same tag name. For example, *busybox:1.1*. Instead of fetching the image that is positioned higher in the resolution order in the virtual repository, Artifactory will return the Docker image last deployed to one of the aggregated repositories in the Virtual repository. Artifactory will first try to fetch the tag from the Local repositories according to the modification time, if not found, it will continue to try to fetch the image from the Remote repositories according to the resolution order.

This functionality is useful for multi-site environments where you create the same image on two different instances.

To configure this, set the *resolveDockerTagsByTimestamp* parameter to true (false by default) when [creating a new repository](#).

Tomcat Version Upgrade

The Tomcat bundled with Artifactory has been upgraded to version 8.5.41.

Feature Enhancements

Concurrent File Download Performance Improvement

Multiple concurrent downloads of the same file will now only be downloaded once from a remote binary provider (for example, S3), improving system performance and decreasing network load.

Checksum validation for files downloaded from cloud storage

Artifactory will now complete an additional checksum validation when downloading an artifact from cloud storage, such as S3. This is to prevent any potential corruptions or incomplete streams, for example where the checksum value of the file does not match the checksum name of the file.

Garbage collection performance improvement

Improved garbage collection for large scale systems.

Artifactory SAML integration for EncryptedAssertion Support

Artifactory SSO SAML integration now supports Encrypted Assertion, using an X509 public key certificate generated by Artifactory. This enables users encrypt their payloads that includes user data such as name and email, providing an added security layer.

Anonymous access disabled by default

For new installations, anonymous access will now be disabled by default for hardening security. It can be enabled at any time.

Issues Resolved

JIRA Issue	Description
RTFAC T-16744	The <i>db.properties</i> password will not be re-encrypted on every Artifactory restart.
RTFAC T-18325	Trying to login to Artifactory through the SAML portal while already logged in is now possible.
RTFAC T-16693	Deploying artifacts with properties is now validated the same way as in the UI. The <i>Set Item Properties</i> REST API uses the following rules: Name must start with a letter and cannot contain spaces or special characters
RTFAC T-17532	The <i>Retrieve Latest Artifact</i> REST API returns the latest version (for Maven or non-Maven) from among the aggregated repositories held within a virtual repository.
RTFAC T-17515	The Retrieve Latest Artifact REST API for local repositories (including Maven and non-Maven) returns the correct artifact (based on version).

RTFAC T- 18234	Artifactory user plugins will now capture headers from the remote resource and pass it back to the user.
RTFAC T- 19168	When starting Artifactory as a service with pssh or ssh, the connection will now properly terminate, leaving Artifactory and Replicator running.
RTFAC T- 17710	Artifactory can now use a context URL path when working with Xray. <code>http://host:port/~contextPath*</code> . For example, <code>jfrog.io/xray</code> , where <code>xray</code> is the context path.
RTFAC T- 19820	Deleting Release Bundles with a large number of files is now possible.
RTFAC T- 15471	Unauthorized users attempting to pull a Docker image from a Docker repository will now receive a 403 status code, instead of a 404 error code.
RTFAC T- 19292	<p>npm repository tags are copied over to the target repository during replication. From version 6.12, Artifactory will save npm tags by adding an <code>npm.disttag</code> property on the replicated file. The npm tags will automatically be replicated to the target instance. During the metadata calculation process on the target instance, Artifactory will use the replicated property to add the npm tags to the metadata file.</p> <p>The following system properties have been removed as part of this fix: <code>artifactory.npm.index.quietPeriodSecs</code> and <code>artifactory.npm.index.cycleSecs</code>.</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p> To apply the fix to previously uploaded npm packages, recalculate the metadata for all relevant local npm repositories. Use the REST API, or right-click on the repository from the Artifactory UI and select 'Recalculate Index'.</p> </div>
RTFAC T- 19759	When deleting or uploading an npm package, Artifactory will recalculate the metadata only for the actual package instead of the entire repository.
RTFAC T- 19678	Artifactory now calculates the digest for the existing Helm charts after running repository reindex.
RTFAC T- 16454	When running <code>yum list</code> on a virtual repository, Artifactory will now return all of the artifacts under all the aggregated local, remote (and smart remote) and virtual repositories under the targeted virtual repository.
RTFAC T- 15405	Requests for artifacts from a NuGet remote repository that is considered offline will now be retrieved from the remote cache repository.
RTFAC T- 17325	Artifactory successfully now finds NuGet packages that are not stored under the root path in remote repositories.
RTFAC T- 17889	Artifactory will now return the correct latest version from a virtual NuGet repository that contains a remote repository pointing to chocolatey.org .
RTFAC T- 17787	Users can now deploy to a virtual Ruby Gems repository if they have a Deploy permission to the Default Deployment Repository, and not necessarily to all of the other aggregated repositories.
RTFAC T- 19510	PyPI Wheel packages that have more than one <code>name:</code> and <code>version:</code> values in their metadata file will now be indexed successfully. Previously packages with multiple names failed to index.
RTFAC T- 18411	Artifactory now returns the correct artifact when requesting an artifact that is available in multiple Conda repositories aggregated under a virtual Conda repository.
RTFAC T- 18497	Artifactory now returns a 404 error code, instead of a 200 status code, when trying to retrieve a package that does not exist from a remote or virtual Chef repository.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.12.1

Released: August 28, 2019

Issues Resolved

JIRA Issue	Description
RTFACT-19927	Fixed an issue where under certain scenarios, Artifactory remote repositories would send Sync Properties requests to certain upstreams (e.g. npmjs.com) even if the upstream was not an Artifactory repository. <div style="border: 1px solid #ccc; padding: 5px;"> We highly recommend upgrading to this version to prevent your Artifactory instance from sending numerous requests to public registries such as npmjs.com.</div>

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.12.2

Released: September 11, 2019

Issues Resolved

JIRA Issue	Description
RTFACT-20089	Fixed an issue whereby, under certain environments, Artifactory failed to load after installing Artifactory version 6.12.1.
RTFACT-19850	Fixed an issue whereby, Artifactory RPM installation failed using the Red Hat version 7.7.
RTFACT-20028	Fixed an issue whereby, under some circumstances, a deadlock occurred when resolving a Docker image manifest.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.12.3

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.11

Released: 25 June, 2019

Highlights

Direct Cloud Storage Download

Get optimized cloud storage when storing your binaries on AWS S3 by downloading your binaries directly from the cloud storage without having to route through Artifactory on the way. Artifactory can now redirect requests from clients (supporting HTTP 302 responses), directly to the cloud storage. As a result, the load on the Artifactory local storage cache is reduced as the large artifacts will be downloaded directly from the cloud. This feature is available as a JFrog Artifactory On-Premise installation and requires a JFrog Enterprise+ or JFrog Artifactory Edge license.

Direct Cloud Storage Download is available for Docker, Helm, Maven, Npm, Debian (supported from Client version 9), PyPI, Bower, CRAN, Composer, and RubyGems. Support on Google Cloud Storage (GCP) will be added in the forthcoming releases. For more information, see [Direct Cloud Storage Download](#).

Optimized Repository Replication with Checksum-Based Storage

Artifactory alongside storage solutions offers an additional alternative for binary replication. You can now enable Artifactory to perform replication of the actual binaries directly through the storage layer without routing the data through Artifactory and from there to the storage. This is recommended if you are already replicating your Artifactory data to another Artifactory cluster using a solution provided by the storage provider. As part of this new capability, Artifactory will continue to replicate the artifacts' metadata and ensure the consistency of the data. In parallel, Artifactory will offload the heavy lifting part of the replication to the storage device, allowing you to only replicate the metadata and make sure the file is available on the target instance. Checksum-Based storage is enabled by adding a feature flag to the Push/Pull Rest API commands and will be available in the UI shortly. Requires an Enterprise+ license. For more information, see [Optimizing Repository Replication with Checksum-Based Storage](#).

Issues Resolved

1. Fixed an issue whereby, in some cases, Artifactory would not validate the API key authentication for an LDAP user opposite the LDAP server as part of the authentication process opposite Artifactory.
2. Fixed an issue in an HA environment where in some cases, after deleting a group, the group members in the cluster can still perform actions based on the group rights for some time.
3. Fixed an issue with Ruby Gems repositories whereby accessing the /versions API endpoint (e.g. ``/api/gems/gems-local/versions``) would fail with the following error: ``getWriter() has already been called for this response``.
4. Fixed an issue whereby when running event-based replication, in some cases, the properties were not replicated to the destination instance only once the CRON replication was initiated.
5. Fixed an issue regarding Conda virtual repository performance, whereby Artifactory calculated metadata for every client request.
6. Fixed an issue whereby a remote repository did not display artifacts if the artifact name included special characters and the item was not yet cached.
7. Fixed an issue whereby users could not perform delete operations when the permission targets only included builds with no repositories.
8. Fixed an issue whereby if one of the email addresses of one of the admin users would not be a valid address, email notifications would be sent only to some of the admin users and not all of them.
9. Fixed an issue whereby an exception was thrown when triggering pull replication if the request body was left empty.
10. Fixed an issue whereby an outdated Crowd REST client version in Artifactory caused delayed logins when using an HTTPS-based Crowd server.
11. Fixed an issue whereby Artifactory will attempt to convert NPM packages with non-semver versions to semver instead of automatically rejecting suspected packages.
12. Fixed an issue whereby users were missing the delete permissions for the Promote build plugin endpoint.
13. Fixed an issue whereby only a user with read-only permissions could run the npm dist-tag to update the metadata.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.11.1

Released: June 30, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, users can take actions that should otherwise be permitted only to administrators.
2. Fixed an issue where in some circumstances, users could gain access to artifacts data that should otherwise be exposed only to some permission level.
3. Fixed an issue when the 'password max age' in the configuration was enabled and set, Artifactory failed to load with a configuration error after restart.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.11.3

Released: July 22, 2019

Mail server with TLS 1.2 connections Support

Artifactory now supports email messages with TLS 1.2.

Fixed Issues

1. Fixed an issue where in some circumstances, users can take actions that should otherwise be permitted only for an Admin user.
2. Fixed an issue where in some circumstances Gem artifacts failed to resolve from a virtual repository.

Artifactory 6.11.6

Released: August 13, 2019

Fixed Issues

1. Fixed an issue, whereby under certain circumstances, users experienced performance degradation when searching in the Artifactory UI.
-

Artifactory 6.11.7

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.10

Released: May 6, 2019



Artifactory Installation contains files for future Metadata Service Feature

Please notice that the Artifactory 6.10 Installer includes new files in \$ART_HOME/bin/metadata, for a soon to be released Metadata Service feature.



Setting up Apache HTTP server using AJP Protocol

New Artifactory installations will not include the [AJP connector](#) in Artifactory's Tomcat server.xml file (i.e. under \$ARTIFACTORY_HOME/tomcat/conf/server.xml).

To use AJP connector, the `<Connector port="8019" protocol="AJP/1.3" sendReasonPhrase="true"/>` should be added manually to the server.xml file under `<Service name="Catalina">`.

Upgraded Artifactory environments will be unchanged provided the `server.xml` file is copied over.

Notice: [AJP connector](#) support will be removed in Artifactory's next major version (7.0).

Highlights

Support for Conan Remote and Virtual repositories

In addition to local repositories, Artifactory now [supports Conan remote and virtual repositories](#). Remote Conan repositories proxy remote Conan resources and cache downloaded Conan packages to keep you independent of the network and the remote resource. Virtual repositories allow you to aggregate multiple local, remote and virtual Conan repositories under a single endpoint and easily manage the resolution and deployment of all your Conan packages.

Support for npm audit

Artifactory now [supports npm audit](#), allowing you to get vulnerabilities on your npm projects' dependencies tree.

Audit reports contain information about security vulnerabilities of dependencies and can help fix a vulnerability by providing npm commands and recommendations for further troubleshooting.

This functionality will be enabled by default on npm virtual repositories that aggregate at least one remote repository that supports npm audit. For example, a remote repository that points to <https://registry.npmjs.org> or Artifactory Smart Remote repository.

JFrog Xray users with Artifactory Pro X / Enterprise / Enterprise+ license, will get an enhanced audit report that includes security vulnerabilities from Xray's database. When Xray is configured to work with Artifactory, an audit report can be generated from scratch even without connecting to any remote repository.

Java 11 Compatibility

From this version, Artifactory officially supports running with JDK 11 on all installation types (e.g. Linux, Docker, Debian, RPM, Windows). The Artifactory Docker image is shipped with JDK 11.

Java 8 support end of life is coming up, and Artifactory contains components that require Java to run properly and include Java runtime as part of Artifactory.

Feature Enhancements

New Artifactory User Plugins hooks

The Artifactory [User Plugins](#) now include two new hooks:

- `Upload.beforeUploadRequest`, useful for overriding the actual repository path during the Artifactory upload process.
- `Download.altAllResponses`, used to provide an alternative response during the Artifactory download process, by setting response headers, status code, error message or inputStream and size context variables.

Issues Resolved

1. Fixed an issue where downloading a Docker image from remote repositories did not cache layers that existed on the local drive of the user trying to download the image, resulting in missing layers in the remote cache repository. Artifactory will now search for any missing layers in all repositories the user has permissions for and copy them to the remote cache repository for full image coverage that contains all layers.
2. GoLang repository fixes and enhancements:
 - a. Go .mod and .info files can now be viewed from within the Artifactory UI.
 - b. Added both golang.org and k8s.io to the default whitelisted Go [virtual repositories](#) external dependencies.
 - c. Fixed an issue where a 404 response instead of a 400 response was returned when trying to resolve directly from a remote Go repository REST resource.
 - d. Fixed an issue where a `NullPointerException` was printed to Artifactory logs, when setting up a remote repository with Artifactory as the module provider and the url as github.com, and requesting a mod file.
 - e. Fixed an issue when resolving artifacts from a remote Go repository, the `go-get.html` file was stored instead of the info module. Unused `go-get.html` files will now be removed.
 - f. Fixed an issue where downloading a Go module with a version that contains upper case characters would fail
3. Fixed an issue where virtual Docker repositories composed of aggregated local/remote repositories that had one repository configured with exclude patterns, would return 404 when trying to resolve Docker images. Artifactory will now search for the Docker image in all of the aggregated repositories of the virtual repository.
4. Fixed an issue where using the Gems client to search for packages in a virtual repository did not return any results.
5. Fixed an issue where communication between Artifactory instances in an HA configuration did not work in some cases where the service ID was changed.
6. Fixed an issue in the UI where in Admin > Users > [specific user] > User Permissions table, the same permission target would be listed more than once, based on the number of groups the specific user would be associated with.
7. Fixed an issue in which trying to get the IP address of a user in User Plugins requests would sometimes return null.
8. Fixed an issue in which deploying packages that contain the plus sign character (+) when [deploying multiple files](#) would convert the plus sign to spaces.
9. Fixed an issue in the UI > Permissions page when using Internet Explorer, where creating a new permission the scroll bar would not work in the Available/Included Repositories/Builds drag and drop components.
10. Fixed an issue in which if the proxy settings being used for the Sumo Logic integration settings in the Log Analytics page are incorrect, Artifactory would try to reach Sumo Logic directly without going through a proxy, causing potential timeouts.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.10.1

Released: May 20, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that were otherwise exposed only to administrators.
2. Fixed an issue introduced in Artifactory version 6.10, whereby users trying to download an artifact that did not exist from an Artifactory, configured with Azure as the binary provider in Artifactory, would receive a 200 HTTP error code with an empty stream instead of receiving a 404 error.
3. Fixed an issue related to the new Conan API v2 introduced in Artifactory 6.9, whereby push replication for Conan local repositories was stopped when running replication from Artifactory 6.9 and above, to a target Artifactory running 6.8 or below. Please note that this was intentionally designed to prevent Conan repositories in the target Artifactory from being overwritten if you have not yet upgraded the target to 6.9 or above. After you upgrade the target Artifactory 6.9 or above, the replication process will resume.
4. Fixed an issue whereby promoting a build using the Build Promotion REST API will now only require granting the Deploy permission instead of the Delete+Deploy permission that was the requirement in Artifactory 6.6 to 6.10.0. Note that when promoting a build, you will see an entry in the `access.log` indicating that the build was deleted by a user named `_system_`.
5. Fixed an issue whereby changing or adding repositories could take up to a few minutes in some scenarios within certain environments in which Artifactory was set behind a proxy.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.10.2

Released: June 3, 2019

Issues Resolved

1. Fixed an issue in which installing Artifactory as a service on Windows while running with Java 11 would fail upon startup.
2. Fixed an issue in which under specific circumstances, Access Federation would fail to replicate security entities and will not recover automatically.
3. Fixed an issue, where in certain scenarios, creating a remote Maven repository from within the UI created a default value for the Max Unique Snapshots field with the username (e.g. admin). This caused an error when saved.
4. Fixed an issue when working with Azure as the Artifactory binary provider, in some cases would result in timeout errors in the logs.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.10.3

Released: June 11, 2019

Feature Enhancement

Proxying Remote PyPI Repositories Using a Custom Registry Suffix

Artifactory now supports [proxying remote PyPI repositories](#) whereby the repository content (i.e. the packages) can reside under different paths in addition to /simple (for example, DevPi repositories).

Issues Resolved

1. Fixed an issue where under certain scenarios, downloading a Debian package from a virtual Debian repository could take a long time, as opposed to downloading the same package from a remote Debian repository that would be served faster.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.10.4

Released: June 19, 2019

Issues Resolved

1. Fixed an issue where in some circumstances, users could gain access to application data that should otherwise be exposed only to administrators.
2. Updated Artifactory Docker base image to [fix the following issue](#).

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.10.6

Released: July 1, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, users can take actions that should otherwise be permitted only to administrators.
 2. Fixed an issue where in some circumstances, users could gain access to artifacts data that should otherwise be exposed only to some permission level.
-

Artifactory 6.10.7

Released: July 22, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, user can take actions that should otherwise be permitted only for an Admin user.
-

Artifactory 6.10.9

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.9

Released: March 25, 2019

Highlights

[Conan v2 Supports Conan Package Revisions](#)

From Artifactory 6.9.0, [Conan API v2](#) is supported and introduces an extension of the binary layout to support [Conan Package Revisions](#). Revisions allow you to change your artifacts while keeping the same Conan reference, allowing immutable binary artifacts whether it be because of changes to the recipe, or minor code changes between revisions (similar to snapshot builds in other languages).

After the upgrade to Artifactory 6.9.0 is complete, your Conan packages will automatically be migrated to the Conan API v2 structure in Artifactory.



Conan Repositories not Accessible During Migration

The Conan package migration process from Conan v1 to v2 may take some time causing your Conan repositories to be inaccessible until the process is complete. For more information on the migration process, see the [Conan Package V1 Backward Compatibility](#) section.

Conan API v2 support is backward compatible allowing you to continue using your current Conan client version to work with your Conan repositories from Artifactory 6.9 and above.

For the Conan client to work with the revisions feature, download the Conan client 1.13 with Revisions enabled.

Support for Docker Manifest v2, Schema 1

Added support for Docker Manifest v2, Schema 1. Pulling Docker images from local/remote/virtual repositories that are set with Manifest v2 Schema 1 is now supported. For example: [kibana:v4.6.1](#)

Added Two New Target Endpoint Rest API Commands

Added two new REST APIs to retrieve the permission targets associated with a specific user or group:

- [Get Permission Targets Per User](#)
- [Get Permission Targets Per Group](#)

Issues Resolved

1. Fixed an issue whereby modifying a permission target containing an Admin user failed, and displayed the following error: 'Permission target contains a reference to a non-existing user <username>'.
2. Fixed an issue whereby multiple entries with the following error: 'Couldn't find user named "xray" in ldap' were added to the Artifactory log when JFrog Xray was enabled with LDAP/ Crowd.
3. Fixed an issue, from Artifactory 6.8.0, whereby the Nginx image in the Artifactory Docker image did not contain the cURL utility.
4. Fixed an issue, from Artifactory 6.5.1, whereby using the RedHat CDK to pull Docker images with a manifest list (i.e. fat manifest) from <https://registry.access.redhat.com> would fail.
5. Fixed an issue in PyPI repositories whereby packages containing ">" or "<" characters in the "data-requires-python" section of the package metadata file could not be downloaded.
6. Fixed an issue whereby Artifactory did not find metadata files (PKG-INFO/METADATA) in the root of the archive.
7. Fixed an issue whereby npm packages with Emoji characters in the package's description field could not be downloaded when MySQL is set as the database.
8. Fixed an issue whereby the Test Connection button in the Remote repositories wizard in the UI would return a 405 error if the remote repository URL was an Artifactory URL (i.e. Smart Remote Repository).

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.9.1

Released: April 8, 2019

Feature Enhancements

npm virtual repository performance improvements

Performance improvements when installing an npm package from npm virtual repositories + reducing memory consumption.

Access and Request log improvements

The request.log and access.log files now include the source user ID and the IP address. This applies to users accessing Artifactory via UI, REST API, 'docker login' command regardless of whether the authentication was successful (i.e. good credentials) or not (i.e. bad credentials).

Artifactory Docker installation using the Distroless base Docker image

To provide a smaller, and more secure Docker image of our Artifactory Docker distributions (oss, cpp-ce and pro), we have changed the base image used in our Docker files to the [JFrog Distroless Docker image](#) that includes only required packages. This reduces the image sizes by more than 30%.



1. Starting from Artifactory version 6.9.1, the Artifactory Docker image is shipped with JDK 11. Make sure your database JDBC driver is Java 11 compatible.
2. If you get your JDBC driver using curl, you should now update your command to use wget. Example for mysql driver:

Old command

```
`curl -L -o /opt/jfrog/artifactory/tomcat/lib/mysql-connector-java-5.1.41.jar https://jcenter.bintray.com/mysql/mysql-connector-java/5.1.41/mysql-connector-java-5.1.41.jar`
```

Notice the capital 'O' with the wget command

New command

```
`wget -O /opt/jfrog/artifactory/tomcat/lib/mysql-connector-java-5.1.41.jar https://jcenter.bintray.com/mysql/mysql-connector-java/5.1.41/mysql-connector-java-5.1.41.jar`
```

Issues Resolved

1. Fixed an issue in Ruby Gems repositories where in some cases, cached dependency requests from a remote repository would not return the latest version.
2. Fixed an issue in Docker repositories where pulling a Docker image from a remote repository pointing to Microsoft/Azure container registry (e.g. mcr.microsoft.com) would fail with "error pulling image configuration: unknown blob".
3. Fixed an issue in Docker repositories where pushing a Docker image with properties on the layers to one repository and then pushing another image with some shared layers to another repository, the layers in the second new repository would be cloned from the existing layers along with all properties. Only the "sha256" property will be cloned, the other properties will not be cloned.
4. Fixed an issue, relevant to version 6.4.0 and above, in which replicating Maven artifacts from a generic repository to another generic repository would not replicate the metadata, resulting in missing metadata on the target.
5. Fixed an issue in Maven repositories in which, when a client would ask for a snapshot and the snapshot version behaviour was 'unique', Artifactory would keep searching for the artifact in all the remote repositories even after the artifact was found.
6. Fixed an issue in which the Debian indexer would try to get artifact properties even in case non-Debian packages would be uploaded, deleted or moved from Artifactory.
7. Fixed an issue in RPM repositories where in some cases Artifactory would fail to parse XML metadata files on certain remote RPM repositories.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.9.2

Released: May 20, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that were otherwise exposed only to administrators.

Artifactory 6.9.3

Released: June 19, 2019

Issues Resolved

1. Fixed an issue where in some circumstances, users could gain access to application data that should otherwise be exposed only to administrators.

Artifactory 6.9.4

Released: July 1, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, users can take actions that should otherwise be permitted only to administrators.

2. Fixed an issue where in some circumstances, users could gain access to artifacts data that should otherwise be exposed only to some permission level.
-

Artifactory 6.9.5

Released: July 22, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, user can take actions that should otherwise be permitted only for an Admin user.
-

Artifactory 6.9.6

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.8

Released: February 14, 2019

Highlights

Support Bundle Repository

The [Support Zone](#) has been enhanced with a simplified UI flow, which includes the ability to create a support bundle that contains the relevant data (such as system and log files) for a single Artifactory instance or multiple nodes in an HA cluster. Once a support bundle is created, it will be saved to the new default *jfrog-support-bundle* system repository for any future reference.

Feature Enhancements

Artifactory Pro Nginx Docker Image Upgrade with TLS v1.3 Support

As part of the Artifactory Pro Docker distribution, the [Nginx Docker Image](#) ([docker.bintray.io/jfrog/nginx-artifactory-pro](#)) is now upgraded to Nginx version 1.15.5, running on top of Ubuntu 18.10 and provides full support for TLS v1.3.

Tomcat Extra Connectors for Artifactory Docker Images Support

You can now add extra Connectors to Artifactory Docker images Tomcat's server.xml, using the [SERVER_XML_EXTRA_CONNECTOR environment variable](#)

Improved Performance for Users Managed within a Group

The performance for authentication of users during login that are associated with groups has been enhanced.

Issues Resolved

1. Fixed an issue where in some scenarios of Artifactory HA scenarios, terminating the deploy of an artifact to a repository before the deploy was completed would result in a "Failed to move file from _pre folder to filestore" error in the log.
2. Fixed an issue in which Artifactory would allow creating users and groups using the REST API even if the username or group name included illegal characters (`\:|?*"<>`). Artifactory now validates that the username and group name only include legal characters as is done when creating a user or a group through the UI.
3. Replication fixes:
 - a. Fixed an issue where a source Artifactory configured to replicate more than one target would only replicate to one of the targets, after restarting the source Artifactory instance.
 - b. Fixed an issue in which pull event replication in a full-mesh topology would fail in some scenarios, after restarting one of the instances in the topology.
 - c. Fixed an issue when replicating an artifact that had properties on it while there was an artifact with the same name on the target (but different content), the properties from the source would not be replicated to the target.
4. Fixed 2 issue in Property Sets:
 - a. In some scenarios adding new properties to a Property Set would not work.
 - b. In some scenarios changing the value of single-value property would not work.
5. Fixed an issue where the Access config yaml was encrypted when using the JFrog Access encrypt API, causing an issue when trying to restart an Artifactory instance after an Access encrypt was completed.
6. Fixed an issue where using a custom user ID to run Artifactory and Nginx Docker containers custom configurations, caused Nginx to not start and Artifactory to fail setting the custom configurations.

7. Fixed an issue in Opkg repositories, where in some cases the repository indexing caused performance issues.
8. Fixed an issue in which in some scenarios, concurrent requests to a remote Docker repository would hang connections and threads.
9. Fixed an issue where the [ListDockerRepositories](#) rest API would return an empty list and the [ListDockerTags](#) rest API would return an error rather than what is stored in cache, while the remote endpoint is unavailable. This fix requires setting the `artifactory.docker.catalogs.tags.fallback.fetch.remote.cache` system property to true (default false).
10. Fixed an issue in which when deploying a Gem to a local Ruby Gems package, the 'Deployed By' field would show `_system_` instead of the actual username who deployed the package.
11. Fixed an issue in which retrieving the Effective Permissions for a repository or a build would not show the users who have permissions for the resource if the user got the permissions from a Group.
12. Fixed an issue where remote PHP repositories did not support last modified headers, which caused the client to download the same files remotely and not use the client cache.
13. Fixed an issue when deleting/deploying files to Helm or Cran remote repositories, a metadata calculation was unnecessarily triggered.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.8.1

Released: February 17, 2019

Issues Resolved

1. Fixed an issue where manually starting Artifactory version 6.8 on Windows using the `artifactory.bat` file or the `artifactory.sh` on RPM and Debian would fail with an 'Application could not be initialized: Timed out waiting for join.key file to be made available aty' error.
2. Fixed an issue where setting the `loginBlockDelay` system property to 0, caused Artifactory to fail to start with the following error: 'Application could not be initialized: / by zero'.
3. Fixed an issue where access tokens created before Artifactory version 5.4 could not be used for authentication and returned a 401 error.
4. Significantly reduced the memory footprint of the global permissions cache held by Artifactory at runtime.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.8.2

Released: February 19, 2019

Issues Resolved

1. Fixed an issue where creating a new or distributing an existing release bundle would fail, after an upgrade to Artifactory versions 6.8.0 and 6.8.1.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.8.3

Released: February 26, 2019

Issues Resolved

1. Fixed an issue whereby when pulling a Docker image from a Docker repository, Artifactory would try to fetch the manifest list (i.e. fat manifest) file even if the image did not have a manifest list. This prevented users with Read-only permissions from pulling Docker images that did not have a manifest list.
2. Fixed an issue regarding Mission Control Disaster Recovery, whereby permission targets were not replicated from source to target instances.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.8.4

Released: March 4, 2019

Issues Resolved

1. Fixed an issue, applicable to Artifactory versions 6.8.0 to 6.8.3, where a user that is associated with a group that is configured with admin privileges and additional non-admin group(s), did not have admin privileges.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.8.6

Released: March 12, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators.
JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.8.7

Released: March 14, 2019

Issues Resolved

1. Fixed an issue whereby performance was degraded when processing a massive Access Control List (ACL).
2. Fixed an issue that applies from Artifactory 6.6 and above, whereby starting Artifactory takes minutes due to index validation in the Oracle database.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.8.9

Released: April 22, 2019

Feature Enhancement

User authentication loading improvement

Artifactory can be configured to provide asynchronous loading of user/build permissions enhancing authentication of Artifactory's login performance.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.8.12

Released: May 20, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that were otherwise exposed only to administrators.
-

Artifactory 6.8.14

Released: June 19, 2019

Issues Resolved

1. Fixed an issue where in some circumstances, users could gain access to application data that should otherwise be exposed only to administrators.
-

Artifactory 6.8.15

Released: July 1, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, users can take actions that should otherwise be permitted only to administrators.
 2. Fixed an issue where in some circumstances, users could gain access to artifacts data that should otherwise be exposed only to some permission level.
-

Artifactory 6.8.16

Released: July 22, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, user can take actions that should otherwise be permitted only for an Admin user.
-

Artifactory 6.8.17

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.7

Released: January 22, 2019

Issues Resolved

1. Fixed an issue relevant from Artifactory 6.6.3 / 6.6.5 in which with Artifactory running on a Windows machine, it was not possible to work with RubyGems repositories.
2. Fixed an issue in which for Artifactory instances that were upgraded to version 5.5 (in which SHA-256 checksums were introduced) and above, but whose database was not migrated to SHA-256 checksums, reindexing an entire Debian repository could take a long time.
3. Fixed an issue in which indexing of a Debian virtual repository that aggregates a local Debian repository would fail in one of the following scenarios:
 - a user triggers indexing of the local Debian repository using the REST API
 - a user with limited permissions deploys a Debian package into the local Debian repository
4. Fixed an issue whereby an Artifactory remote Go repository pointed to an Artifactory as the module provider (smart remote repository) resulting in failure to fetch info, mod and zip files if the remote URL had trailing slash.
5. Fixed an issue in which under certain circumstances, an Artifactory remote Go repository would cache a `goget.html` file instead of the corresponding Go module.
6. Fixed an issue whereby an Artifactory remote Go repository pointed to an Artifactory as a module provider (smart remote repository) resulting in the following:
 - Failure to fetch the real zip content by returning an empty zip file.
 - Failure to fetch info, MOD or Zip files if the remote URL contained a trailing slash.
7. Fixed an issue whereby an Artifactory remote Go repository pointed to an Artifactory as the module provider (smart remote repository) resulting in failure to fetch info, mod and zip files if the remote URL had trailing slash.
8. Fixed an issue in which when proxying [GitHub.com](#) in a remote Go repository, Artifactory would not pass credentials to [api.github.com](#)
9. Fixed an issue in which parsing the `go-import` from the `go-get` metadata for a Go package would fail if that metadata was spread out over multiple lines.
10. Fixed an issue in which when importing LDAP groups, Artifactory would not display results if a search for existing LDAP groups yielded more than 1000 results.
11. Fixed an issue in which after setting a custom `SERVER_XML` environment variable as part of a Docker execution command, the Docker container would succeed starting up the first time, but fail starting up from then on.
12. Fixed an issue in which Artifactory would allow creating a repository with a repository key that is longer than 64 characters using the REST API. While creating the repository succeeded, deploying to the repository would fail and the log would display the following error messages:
 - Could not acquire lock within 120 seconds
 - Couldn't acquire lock for: 120000 millisecondsWhen creating a repository using the REST API, Artifactory will now validate that the repository key is no longer than 64 characters (as is enforced when creating a repository through the UI).
13. Fixed an issue in which when deploying the same artifact under two different paths to a NuGet repository, and then deleting it from the first upload path, the NuGet repository would not get reindexed and the artifact would also not be available from its second upload path.
14. Fixed an issue in which Artifactory would allow creating a repository through the REST API even if the repository key included illegal characters (`^:|?*"<>`). Artifactory now validates that the repository key only includes legal characters as is done when creating a repository through the UI.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.7.1

Released: January 30, 2019

Issues Resolved

1. Fixed an issue with npm in which proxying <https://registry.npm.taobao.org/> with an npm remote repository would fail.
2. Fixed an issue in which editing a Permission Target from the Artifactory UI when running on Internet Explorer would result in a blank screen.
3. Fixed an issue with Go remote repositories in which proxying a Go remote repository in another Artifactory instance and clicking **Test Connection** in the UI would fail with a 405 error.

4. Fixed an issue in which upgrading from an Artifactory version 5.6 or below to version 6.6.5 or above when Artifactory had MSSQL configured as its database would fail in certain scenarios.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.7.2

Released: February 3, 2019

Issues Resolved

1. Fixed an issue in which an Artifactory [Smart Remote Go repository](#) (i.e. one that points to another Artifactory repository as its module provider) got a 404 response to get version list requests, instead of the version numbers.
2. Fixed an issue which occurred when using the `synchronizeLdapGroups` user plugin together with PostgreSQL as the Artifactory database. With this combination, certain circumstances would cause multiple concurrent requests to the JFrog Access REST API resulting in a "duplicate index" error.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.7.3

Released: February 6, 2019

Issues Resolved

1. Fixed an issue in which installing a package from a remote RubyGems repository would fail when using Bundler.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

For an Artifactory Pro or Artifactory Enterprise installation, click to download this latest version of [JFrog Artifactory Pro](#).

For Artifactory OSS, click to download this latest version of [JFrog Artifactory OSS](#).

For Artifactory Enterprise+, click to download the latest version of [JFrog Enterprise+](#).

Artifactory 6.7.5

Released: March 12, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators.
JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.7.7

Released: July 22, 2019

Issues Resolved

1. Fixed an issue where in some circumstances, user can take actions that should otherwise be permitted only for an Admin user.
-

Artifactory 6.7.8

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.6

Released: December 18, 2018

Highlights

Build Info Repository and Permissions Management

This version introduces a new local Build Info repository. This default *artifactory-build-info* repository will store all build info files uploaded to Artifactory by the different CI server plugins, such as the Artifactory Jenkins Plugin, CLI, and directly through the Build Upload REST API or Artifactory UI.

The same build information will continue to be available through the [REST API](#) and the [Builds page](#) in the Artifactory UI.

Also, it is now possible to define access to the different build info files with [user and group permissions](#) such as read/deploy/delete. This is equivalent to managing permissions on repositories with include/exclude patterns on build info json paths, in the build info repository.

Additional benefits include:

- [improved accessibility](#) to the build info json files and overall **performance** of the Builds module
- [build info replication](#) to other instances, since they are stored as artifacts in a repository (Available using REST API only. Configuring replication for this repository through the UI will be added in future releases.)

Migrating to the artifactory-build-info Repository

When upgrading to Artifactory 6.6, the *artifactory-build-info* repository is automatically created and cannot be removed. All existing builds info json files will be migrated from the DB to the repository.

Depending on the number of builds in your system, this process may take some time. To help you monitor the process, progress and status messages will be printed to the *artifactory.log file*. During the migration, your system will continue to work without being affected.

You can also enhance the migration process and reduce time by [adding system property settings](#).

Build info replication will be available once the migration is complete.

Breaking Changes

From this version, the build info files are stored as artifacts in the Artifactory *artifactory-build-info* repository. This conceptual change requires the following attention:

Delete Build Permission

The following build related REST APIs will now require Delete permission on the build level after the upgrade to 6.6 and above:

- [Build Promotion](#)
- [Build Rename](#)
- [Control Build Retention](#)

Cleanup Policies

- If you have existing cleanup policies, defined in Artifactory User Plugins, that delete artifacts from your local repositories according to a policy, they will also affect the *artifactory-build-info* repository and should be updated accordingly. Exclude this repository from your cleanup policies to ensure that your build info files are not deleted.

DefaultBuildPermission

- During the upgrade, all existing users/groups will be assigned with an *artifactory-system-default-build-permission* permission target. This will provide them with the same build access they had before the upgrade (i.e. users who could view build info files or deploy new build info files will still be able to do so). It is **highly recommended** to remove this default permission target and define new ones for each user/group.
- New users added to Artifactory will require [permission to read/deploy/delete build info artifacts](#). **Notice** that these are additional permissions that must be set specifically for the build info repository permissions. These permissions are managed separately

Support for Debian Virtual Repositories

In addition to local and remote repositories, Artifactory now supports [Debian virtual repositories](#). Virtual repositories allow you to aggregate multiple local, remote and virtual Debian repositories under a single endpoint and easily manage your Debian packages.

This provides additional support for managing [Artifactory multi-sites](#).

Calculate Debian package coordinates from remote repositories

Artifactory now enables you to extract Debian package metadata (i.e. component, distribution and architecture) from remote Debian repositories and assign them as properties on the cached packages. This can be done using the [REST API](#) or from the [Artifactory UI](#).

This enables searching for cached Debian packages in remote repositories, as well as whitelisting remote-cached Debian packages.

Hardened Security for Secrets

To [harden security](#) when providing encrypted data (secrets) such as connection strings to external databases, from this version, when running Artifactory, you can **optionally** provide secrets in a temporary file. Artifactory will load the parameters specified in a temporary file at startup and then delete the file. Notice that this is an additional recommended functionality that will not change your current behaviour if not used.

Artifactory Edge Uploads Repository

Artifactory Edge nodes now include a default generic repository called *artifactory-edge-uploads*, to which you can deploy files.

Note: this is the only repository in an Artifactory Edge node that's available for deploying files to.

SHA 256 Migration Task REST API Endpoints

From this version, [Migrating to SHA-256](#) can now also be done using the following two new REST API endpoints. This is in addition to ability to set the SHA-256 migration using the existing system setting configurations in Artifactory's *artifactory.system.properties* file.

- [Start SHA256 Migration Task](#)
- [Stop SHA256 Migration Task](#)



Existing migration process

This note applies if you have a SHA256 migration process currently running before upgrading to Artifactory 6.6.

As part of the upgrade, your existing migration process will stop running. To reinstate it, you'll need to use the new [Start SHA256 Migration Task](#) REST API after the Artifactory 6.6 upgrade is complete.

Feature Enhancements

1. The [permission target page](#) has been updated with a new view for easier navigation.
2. Artifactory Docker container can be [configured to run as any user/group id](#).
3. Improved performance on Microsoft SQL when performing Property Search through UI or REST API.
4. In addition to the [REST API](#), deleting a build [directly from the Artifactory UI](#) is now supported.

Issues Resolved

1. Fixed an issue in npm repositories where uploading npm packages that contained Emoji symbols in the package.json file would fail with an error.
2. Fixed an issue where Artifactory did not support Go module names that did not have a slash (/) in their names. For example, the [go4.org](#) module used by [golang.org/x/build](#).
3. Fixed an issue where Go Package deployment to Artifactory [Go repositories](#), using JFrog CLI, would fail and return a 'Header Or Cookie Too Large' error for packages with large mod files.
This fix requires Artifactory 6.6 and JFrog CLI 1.23.0.
4. Fixed an issue where NuGet repository \$batch requests resulted in an error.
5. Fixed an issue in NuGet virtual repositories where if a certain package would exist in more than one of the aggregated repositories, Artifactory would return all of those packages when the NuGet client would ask for the latest version of this package.
6. Fixed an issue in NuGet repositories where if the same NuGet package would exist in two different paths, when deleting the package from one of the paths, the package would not be returned to the client although it did exist in the other path. The only way to get around this was by manually running the recalculate index.
7. Fixed an issue where pip requests would ignore "If-None-Match" and If-Modified-Since" headers used with an `/artifactory/api/pypi/<repo>/<path>` endpoint.
8. Fixed an issue where in some cases where a user tried to login to Xray with SSO they received the following error message "*Request was blocked. Please refer to access.log*".
9. Fixed an issue where in a target HA instance for an event based pull replication, an exception was thrown when trying to propagate replication event between cluster nodes after deploy or delete events.
10. Fixed an issue where in some scenarios, remote pull replication did not work for Artifactory Cloud instances.
11. Fixed an issue in HA in which uploading a logo file to Artifactory through one of the nodes would update the logo for this specific node but not for the others node in the cluster.
12. Fixed an issue where [Azure blob storage endpoint configuration](#) was not supported. You can now use the default `https://<ACCOUNT_NAME>.blob.core.windows.net/` endpoint or define your own.
13. Fixed an issue in virtual repositories where in some cases the resolution order was not enforced and packages were not downloaded from the expected repository order list.
14. Fixed an issue in which executing a repository listing request through REST API with an Access Token would fail with a 403 error.
15. Fixed an issue where in some scenarios, remote pull replication did not sync the properties from the source Artifactory instance correctly.
16. Fixed an issue where using a checksum-deploy with push replication between local repositories, did not replicate the following artifact metadata: *Last modified, Created, Created By* and *Modified By*.
17. Fixed an issue where pip did not download from its local cache for some packages when using an Artifactory PyPI repository as its custom package index.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.6.1

Released: December 26, 2018

Issues Resolved

1. Fixed an issue that occurred only in Artifactory 6.6, in which if more than one Artifactory schema/catalog combination exists on the same database instance, and the user with which Artifactory connects to the database has permissions to see all of them, the [Build Info Migration from the database to the artifactory-build-info-repository](#) would sometimes be completed with an error or a log entry indicating that the migration had failed with no specified reason.
2. Fixed an issue in which when using JFrog CLI to upload a Go module containing upper case characters in the module name, those characters would be converted to lower case characters pre-pended with an exclamation mark.
3. Fixed an issue with HTTP SSO where users working under a proxy would fail to access the Update Profile page.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.6.3

Released: December 31, 2018

Feature Enhancements

For Artifactory Docker Images: Setting the Database Connection Pool Size is Now Supported

For Docker Image Artifactory installations, you can set the [pool.max.active](#) and [pool.max.idle](#) parameters in the `etc/db.properties` by setting the following environment variables:

- `DB_POOL_MAX_ACTIVE`
- `DB_POOL_MAX_IDLE`

In the following example, we set the maximum active database connection pool to 500:

```
docker run ..... -e DB_POOL_MAX_ACTIVE=500 -e DB_POOL_MAX_IDLE=50 ..... docker.bintray.io/jfrog/artifactory-pro:6.6.3
```

For Artifactory Docker Images: Added Support for Environment Variables to Customize Tomcat server.xml Values

Added support for configuring Tomcat server.xml values. Just pass the values as environment variables with your Docker execution command and they will be injected into Tomcat's server.xml. For more information, see [Supported Environment Variables](#).

Issues Resolved

1. Fixed an issue whereby selecting the 'Remember Me' option to log in to the Artifactory UI did not work as expected. Logging in with 'Remember Me' is now valid for 14 days.
2. Fixed an issue whereby the NuGet API v3 feed for remote NuGet repositories did not get updated with the latest index.json of a package. This resulted in Artifactory not retrieving the metadata from the NuGet feed.
3. Fixed an issue whereby Artifactory instances installed on Windows-based systems would fail to proxy NuGet API v3 feeds.
4. Fixed an issue when searching from a NuGet client (e.g. Visual Studio) for a certain package that had more than 100 versions in a remote NuGet repository, returned only the first 100 versions in the search.
5. Fixed an issue whereby memory consumption was high when calculating the index for the Gems virtual repository.
6. Fixed an issue whereby tagging npm packages did not work properly.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.6.5

Released: January 8, 2019

Issues Resolved

1. Fixed an issue relevant for version 6.6.0 and above in which in some cases, [migration to the artifactory-build-info repository](#) would fail with errors in the log.
-

Artifactory 6.6.8

Released: March 12, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators. JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.6.10

Released: July 22, 2019

Issues Resolved

1. Fixed an issue where in some circumstances, user can take actions that should otherwise be permitted only for an Admin user.
-

Artifactory 6.5

Released: October 11, 2018



Breaking change

The combination of Artifactory 6.5.0 and with PostgreSQL database enforces property values limit of 2400 characters.

Upgrading to version 6.5.0 without trimming the property values first, may result with old indexes or partial indexes for the 'node_props' database table and cause an error.

See fix here: [Recovering from Error: An incompatible index has been found for the Artifactory 'node_props' database table.](#)

Highlights

Release Bundle Repository

As part of [the Distribution flow](#) that was introduced with [Enterprise+](#), Artifactory now supports release bundle repositories.

The [Release bundle repository](#) protects the artifacts created in the Artifactory source instance, by copying them into a separate repository where their contents cannot be edited or removed.

Whenever a new release bundle is created and signed, it is copied and saved into an immutable *release-bundles* repository in Artifactory. This ensures consistency in the artifacts being distributed among target instances.

**This feature is available when upgrading to both Artifactory 6.5 and Distribution 1.3*

Xray Data in Package Native UI

This version adds data from [JFrog Xray](#) to the [Package Viewer](#), enriching the information on major package types in Artifactory. Once a specific package is selected in the package viewer, Artifactory will expose data about license and security violations detected by Xray for all of the versions of the selected package.

This critical information helps users choose the right packages and version they would like to use.

Access Tokens Lifecycle Management

This version adds more capabilities for administrators to exercise greater control over the lifecycle of access tokens:

- Previously, expirable tokens could not be revoked. This version moderates this feature in that now, all tokens can be revoked, but with the `minimum-revocable-expiry` flag set in the `access.config.yml` file, you can specify a minimal period of time during which a token cannot be revoked.

JFrog Access User Guide

JFrog Access is the service that manages all aspects of authentication and authorization for all JFrog services under the hood. Run as a separate service that is installed under the same Tomcat with Artifactory, it stores all Users, Groups, Permissions and Access Tokens generated by any connected JFrog service. The features and capabilities of JFrog Access were previously concentrated around the [Access Tokens](#) and [Access Federation](#) pages in the JFrog Artifactory User Guide. As the service's capabilities were extended, and its scope widened to include all JFrog products, its documentation has been moved to a separate space to provide better visibility for its features and easier access to relevant information which now available in the [JFrog Access User Guide](#), and will continue to be maintained and updated there.

Feature Enhancements

Changes have been introduced to improve the performance of Artifactory as a Docker registry while using PostgreSQL as the database.

Issues Resolved

1. Fixed an issue where download requests to a remote RubyGems repository, marked as offline, would respond with a 500 error and the download request would fail.
2. Fixed an issue where in some cases, list browsing in the UI for artifacts path with very long name (For example: `/central/org/springframework/boot/spring-boot-starter-cloud-connectors/1.2.0.RELEASE`) would fail with a 404 error.
3. Fixed an issue where new users created by REST API, would not automatically get added to [default groups](#) marked with 'Automatically Join New Users to this Group'.

4. Fixed an issue where downloading an artifact with a name that contains an exclamation mark (i.e. !) would fail.
Note: due to this fix, when [downloading an artifact from an archive](#) requires the resource path within the archive to start with a '/'
For example: GET <http://localhost:8081/artifactory/repo1/folder/a.jar!/META-INF/LICENSE>
5. Fixed an issue where deploying a Go build info to Artifactory, the artifacts' path would not be displayed in the Builds page in the UI. This would happen only when Artifactory was configured behind NGINX.
[Available with JFrog CLI V1.20.2.](#)
6. Fixed an issue in which the 'Last Login' field would be updated for REST API calls. The field will now only be updated when logging through the UI.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.5.1

Released: October 18, 2018

Feature Enhancements

Support for Docker Manifest List (Fat Manifests)

Artifactory now supports hosting and proxying Docker images with a [Manifest List](#).

Issues Resolved

1. Fixed a UI issue with Xray data in the [Package Viewer](#) in which if the same Docker tag existed in different repositories, the Xray graph would not be displayed.
2. Fixed an issue in which pulling a Docker image from a remote Docker registry, for which "Block Unscanned Artifacts" was checked in Xray, would generate an "Unknown: Forbidden" error.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.5.2

Released: October 21, 2018

Issues Resolved

1. Fixed an issue where [Filtered Resources](#) (for example: username and password in settings.xml files a Maven repository) would not be populated when downloading the Filtered Resources file.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.5.3

Released: November 13, 2018

Feature Enhancements

1. The security entities (users, groups and permissions) migration process from Artifactory to Access has been improved for large scale environments.
2. Improved performance when syncing security entities (users, groups and permissions and access tokens) in [Access Federation](#).

Issues Resolved

1. Fixed an issue whereby the System Import could fail if import included a large number of users, groups, or permissions.
 2. Fixed an issue whereby if the configured database was PostgreSQL, then during the upgrade to Artifactory 6.5.x, the index for the 'node_props' DB table was deleted causing degradation in Artifactory performance.
-

Artifactory 6.5.6

Released: November 26, 2018

Issues Resolved

1. Fixed an issue whereby a security vulnerability may have allowed unauthorized users to log in to Artifactory.
JFrog would like to thank [Gilbert Clark](#) of Symantec for reporting this issue and for working with JFrog to help protect our customers.

2. Fixed an issue starting from Artifactory 6.5.1, whereby in some cases users received the following error stating they did not have permissions to push a Docker image to the repository:
"Unauthorized: The client does not have permission to push to the repository."

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.5.8

Released: November 26, 2018

Issues Resolved

1. Fixed an issue whereby LDAP authentication required sending up to three requests to retrieve all groups. This was resolved by adding a cache for all imported LDAP groups, using default TTL of 1 minute, configurable in `artifactory.system.property` under `artifactory.security.ldap.group.cacheRetentionSecs=60 [secs]`.
2. Fixed an issue whereby resolving a Go module failed if the module name did not include a slash.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.5.9

Released: November 29, 2018

Issues Resolved

1. Fixed an issue in which under certain circumstances, an unauthorized user may be able to send malformed REST API calls to Artifactory that execute under the identity of another user. JFrog would like to thank the **Adobe Security Team** for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.5.13

Released: December 17, 2018

Issues Resolved

1. Enhanced the fix for an issue in which under certain circumstances, a security vulnerability may have allowed unauthorized users to log in to Artifactory.

JFrog would like to thank Timo Lindfors of Nixu Oyj for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.5.15

Released: 12 March, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators.

JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.5.17

Released: July 1, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, users can take actions that should otherwise be permitted only to administrators.
 2. Fixed an issue where in some circumstances, users could gain access to artifacts data that should otherwise be exposed only to some permission level.
-

Artifactory 6.5.18

Released: July 22, 2019

Fixed Issues

1. Fixed an issue where in some circumstances, user can take actions that should otherwise be permitted only for an Admin user.
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Artifactory 6.4

Released: September 26, 2018

Highlights

Package Native UI for npm

To complement Artifactory's universal support for all major package types, in this version, Artifactory adds support for npm packages in the [Package Viewer](#). This provides a native experience with the look and feel that is customized for development with [npm packages](#).

Once you select npm as the package type, the Package Viewer will restrict search results for npm packages matching the search term entered, and the details provided in the search results will be specific to npm packages. When selecting a specific search result, you can drill down to view details such as the package's readme file, properties, dependencies, builds that include it and more.

Feature Enhancements

1. Artifactory can now download Docker foreign layers, from a whitelist defined by an Artifactory administrator, to an **Artifactory Docker Remote Repository**. This makes them available from Artifactory for future Docker pulls. This functionality is disabled by default, and can be [enabled from the UI](#) or using [REST API](#).
2. During replication, metadata files will be calculated by the target instance repository rather than replicated from the source repository, saving time and bandwidth.
3. Properties being created as a result actions such as replication, restore from trashcan and add, [will now trigger the create and delete user plugin execution points](#) that can be used for catching the property event on the target Artifactory instance. For example: afterPropertyCreate, beforePropertyCreate, afterPropertyDelete and beforePropertyDelete
4. Artifactory now supports [Conda](#) client versions 4.3.0 and above which requires metadata files in bz2 format.

Issues Resolved

1. Fixed an issue where HA system import failed and caused Artifactory to disconnect from Access. HA import will now work properly without requiring a restart to migrate users/groups/permissions and an additional system import to get the full import working.
2. Fixed an issue where Artifactory became unavailable when running [Garbage Collection](#) and the Artifactory Trashcan contained an extreme amount of artifacts.
3. Fixed an issue where Artifactory was sometimes unable to connect to Xray if the system default proxy was on.
4. Fixed an issue where REST API requests that resolved Maven jar files, did not contain the Cache-Control header in the response.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.4.1

Released: Oct. 1, 2018

Issues Resolved

1. Fixed an issue introduced in Artifactory 6.4 in which when configured with AWS S3 as the binary provider, Artifactory would not start up.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.4.2

Released: November 29, 2018

Issues Resolved

1. Fixed an issue in which under certain circumstances, an unauthorized user may be able to send malformed REST API calls to Artifactory that execute under the identity of another user. JFrog would like to thank the **Adobe Security Team** for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.4.3

Released: 12 March, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators.
JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.3

Released: August 22, 2018



Using Artifactory with JFrog Distribution

JFrog Artifactory 6.3.0 is not backwards compatible with previous versions for the purposes of distributing release bundles. Therefore, when distributing release bundles between Artifactory services with JFrog Distribution, you need to ensure that either both source and target services are version 6.3.0 and above, or they are both below version 6.3.0.

Highlights

Support for Conda Repositories

Artifactory now offers native supports for [Conda Repositories](#), giving you full control over deploying and resolving Conda packages.

You can create secure and private local Conda repositories with fine-grained access control. Remote Conda repositories proxy remote Conda resources and cache downloaded Conda packages to keep you independent of the network and the remote resource, and virtual Conda repositories give you a single URL through which to manage the resolution and deployment of all your Conda packages.

Issues Resolved

1. Fixed an issue in which encryption or decryption of the `db.properties` file in one node of an HA cluster would not get propagated to the other nodes.
2. Fixed an issue in which an npm artifact resolved from a local npm registry would have a different package.json file compared to the one it had in its default public registry at registry.npmjs.org.
3. Fixed an issue in which if a remote Docker registry was marked by JFrog Xray to block the download of unscanned artifacts, Artifactory would not be able to cache remote Docker images in that repository for scanning.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.3.2

Released: August 28, 2018

Issues Resolved

1. Fixed an issue introduced in Artifactory 6.2 in which due to the upgrade of Tomcat to version 8.5.32 in Artifactory 6.2.0, requests to Artifactory that contained square brackets would fail.
2. Fixed an issue relevant for Artifactory 6.2 and above running in an HA environment, in which when browsing through artifacts in the UI, transactions would be left open when the http request would complete. This could lead to contention on rows in the database resulting in outstanding database locks and duplicate key violation errors.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.3.3

Released: Sept. 2, 2018

Issues Resolved

1. Fixed an issue in which unlocking the User Profile page in the UI would fail if the user's password contained any special characters.
2. Fixed an issue in which when configuring a smart remote repository in the UI and testing the connection, the login credentials to the remote resource would be deployed in plain text in the smart remote repository cache.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.3.4

Released: November 29, 2018

Issues Resolved

1. Fixed an issue in which under certain circumstances, an unauthorized user may be able to send malformed REST API calls to Artifactory that execute under the identity of another user. JFrog would like to thank the **Adobe Security Team** for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.3.6

Released: March 12, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators. JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.3.7

Released: April 17, 2019

Issues Resolved

1. Fixed an issue in which under certain circumstances, push replication to a target repository would fail due to timeout errors.
-

Artifactory 6.3.8

Released: May 2, 2019

Issues Resolved

1. Fixed an issue where replication was prematurely terminated in certain scenarios in replicating between case-difference instances.
-

Artifactory 6.3.9

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions. JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.2

Released: August 8, 2018

Feature Enhancements

Session Management for HA

This version enhances the internal session management between nodes in an Artifactory HA cluster to provide more stability. In previous versions, an HA cluster used a third-party library, Hazelcast, to manage sessions between the cluster nodes. From this version, Artifactory introduces a new mechanism that uses the database which makes session management more robust.

Artifactory Docker Container

The [Artifactory Docker container](#) now starts and runs under an `artifactory` user and no longer requires root access. Similarly, the [Artifactory NGINX Docker container](#) now starts and runs as user `nginx`.

Tomcat Version Upgrade

The Tomcat bundled with Artifactory has been upgraded to version 8.5.32.

Issues Resolved

1. Fixed an issue which prevented updating propertySets in the [YAML configuration file](#).
2. Fixed an issue in which when Xray Integration was enabled, for all artifacts scanned by Xray, the download counter would increase by one and the "Last Downloaded By" would indicate being downloaded by Xray.
3. Fixed an issue in which upgrading from Artifactory 5.x to Artifactory 6.x would fail if an [SSL/TLS certificate](#) was configured on one or more of the remote repositories.
4. Fixed an issue in which when promoting a Docker tag with the REST API using an existing `dockerRepository:<tag> tag`, the call would deploy a new tag rather than overwrite the existing one resulting in orphaned layers.
5. Fixed an issue in which using the UI to deploy a single artifact from a folder in a repository would sometimes fail with a `constantorg.artifactory.descriptor.repo.RepoType.undefined` error.
6. Fixed an issue in which when reloading user plugins, whether through a scheduled task or on-demand via the REST API, new JARS would be loaded, but existing JARS would not, even if they had been modified.
7. Fixed an issue in which installation of npm packages would fail because parsing the npm repository's `package.json` file would fail when the value of its version field contained a leading "v" or "=" character.
8. Fixed an issue in which downloading an individual file from within a ZIP file, the file would not be cached. This resulted in long resolution times every time you needed to resolve the file (because the file was never cached).
9. Artifactory has been enhanced to correctly manage the new character encoding that the Go client uses for capital letters.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.2.1

Released: November 29, 2018

Issues Resolved

1. Fixed an issue in which under certain circumstances, an unauthorized user may be able to send malformed REST API calls to Artifactory that execute under the identity of another user. JFrog would like to thank the **Adobe Security Team** for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.2.2

Released: 12 March, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators. JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.
-

Artifactory 6.1

Released: July 1, 2018

Highlights

CRAN Repository Support

Artifactory now natively supports [CRAN repositories for the R language](#), giving you full control of your deployment and resolve process of CRAN packages.

You can create secure and private local CRAN repositories with fine-grained access control. Remote CRAN repositories proxy remote CRAN resources and cache downloaded CRAN packages to keep you independent of the network and the remote resource, and virtual CRAN repositories give you a single URL through which to manage the resolution and deployment of all your CRAN packages.

Cross-Zone Sharding Enhancements

[Sharding across multiple zones](#) allows you to create zones or regions of sharded data to provide additional redundancy in case one of your zones becomes unavailable. From 6.1, you can determine the order in which the data is written between the zones and can set the method for establishing the free space when writing to the mounts in the neighboring zones.

Feature Enhancements

Direct Access to Xray from the Xray Info tab

Added a link to the [Xray tab](#) giving you direct access to Xray from within the Artifactory Artifact tree browser.

Force Authentication on Virtual Maven Repositories

You can force the Maven client to send credentials in order to authenticate against the virtual repository. This means that even if anonymous access is enabled for the Artifactory instance, a virtual repository configured using this [field](#) or directly in the [Repository Configuration JSON](#), will require the Maven client to send its credentials. This will be enforced even if some of the aggregated local repositories under the virtual repository allow anonymous access.

NuGet Search is Now Case-insensitive

Previously searching for NuGet packages using the ID and version via the NuGet CLI was case-sensitive causing search results to be narrowed down to an accurate result. This was very limiting, especially if you were looking for a specific version. So for example, if I was searching for *junit* version 1.0.2, and the repository package name was *JUnit*, I would not get any result. We now have improved the search to be case-insensitive, allowing for both *junit* or *JUnit* to be displayed in the search.

Build Promotion Timestamp Added to Release History Tab

When [promoting a build](#), under the **Builds > Release History** tab, you can now see the [timestamp of the build promotion](#).

Issues Resolved

1. Fixed an issue in PyPI repositories in which PyPI packages set with metadata version 2.1 in the METADATA or PKG-INFO files were not indexed by Artifactory and were not available for download.
2. Fixed an issue with npm repositories resulting in improved performance. Deploying a new version of an npm package that already exists in the repository caused Artifactory to calculate the metadata for all the package versions instead of calculating the metadata for the specific deployed package.
3. Fixed an issue with npm repositories. This issue relates to tagging the version of a specific package that is not the 'highest' in terms of SemVer. When an npm client was trying to install the 'latest' package he would receive the 'highest' version instead of the package that was tagged as the 'latest'. An example: if I have MyApp-1.0.0, MyApp-1.0.1, MyApp-1.0.2 and I tag 1.0.1 as the latest one (with npm tag command) when trying to install the latest package (e.g. npm install MyApp), MyApp-1.0.2 would be returned.
4. Fixed an issue whereby users with special characters in their password (e.g. colon), tried to access their profile page by entering their password and would be redirected to a page with the following message:
"You are already logged in. You can go to the home page or log out."
5. Fixed an issue whereby pulling a Docker image caused the "Number of Downloads" counter for the image to be increased by two.
6. Fixed an issue whereby setting the [Password Encryption](#) to 'Required', prevented anonymous users from performing authentication opposite the Docker repositories. A 401 error was generated.
7. Fixed an issue regarding PyPI repositories whereby an Artifactory behind a proxy no longer ignores the "X-Artifactory-Override-Base-Url" header which overrides Artifactory base URL.
8. Fixed an issue in Debian repositories. Artifactory could not extract metadata in Debian packages that contained a control metadata file archived as a 'control.tar' or a 'control.tar.xz'.

For a complete list of changes, please refer to our [JIRA Release Notes](#).

Artifactory 6.1.4

Released: November 29, 2018

Issues Resolved

1. Fixed an issue in which under certain circumstances, an unauthorized user may be able to send malformed REST API calls to Artifactory that execute under the identity of another user. JFrog would like to thank the **Adobe Security Team** for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.1.5

Released: 12 March, 2019

Issues Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators. JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.
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Artifactory 6.1.6

Released: December 2, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, a user with either Deploy or Annotate permissions could perform remote code executions.
JFrog would like to thank [Atredis Partners](#) for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.0

Released: May 17, 2018

Highlights

JFrog Enterprise+

Announcing the new Enterprise+ Platform, that provides a complete solution for covering all the steps involved in creating a secure, trustworthy, and traceable software release in a multi-site development environment.

The solution works in conjunction with source version control, continuous integration, and deployment tools.

The JFrog Enterprise+ platform bundle includes:

- **JFrog Artifactory**: all features available with an Enterprise license as well as Access Federation and the ability to work with Artifactory Edge.
- **JFrog Distribution**: an on-premise, centralized platform that lets you provision software release distribution.
- **JFrog Xray**: universal analysis of binary software components at any stage of the application lifecycle providing unprecedented visibility into issues lurking in components anywhere in your organization.
- **JFrog Mission Control**: all features available in Mission Control with the addition of:
 - the ability to add instances of Jenkins-CI, JFrog Distribution and JFrog Artifactory Edge as services in the system and monitor them
 - Insight and analytics on build processes through as set of metrics on the end to end build process

Enterprise+ Dedicated Features

The following dedicated Enterprise+ features are a part of the Artifactory 6.0.0 release:

- [Access Federation](#)
- [Replicator](#)
- [Artifactory Edge](#)
- [JFrog Distribution and Release Bundles](#)



Distribution Release Bundles

AQL has also been enhanced to support searching for release bundles and release artifacts. For more information, see [Artifactory Query Language](#).

For more details on the JFrog Enterprise+ platform, please refer to the [JFrog Enterprise+ User Guide](#).

Single Sign-On Support

SSO allows you to log into all your JFrog applications using a single set of user credentials that are stored in the Authentication Provider Artifactory instance. When SSO is applied, the user logs into the JFrog product using a set of predefined credentials and is granted access across the board to the JFrog products. SSO eliminates the need to re-enter the credentials every time a product is accessed. It is automatically enabled for all the JFrog services that use an Authentication Provider for managing security. For more information, see [Authentication Using Single Sign-On](#).

NuGet Enhancements

- **NuGet API v3 Registry Support**
Artifactory now [supports NuGet API v3](#) and allows you to proxy remote NuGet API v3 repositories (e.g., the [NuGet gallery](#)) and other remote repositories that support API v3. For more information, see the [API documentation](#).
- **NuGet SemVer 2.0 Packages**
Artifactory now supports [SemVer 2.0 rules](#) for NuGet repositories (for both NuGet API v2 and API v3), which means you can now use pre-release numbers with dot notations or add metadata to the version, for example:
MyApp.3.0.0-build.60, *MyApp.1.0+git.52406*.



Backward Compatibility for NuGet CLI Versions Lower Than 4.3.0

NuGet packages with SemVer 2.0 are not available for NuGet clients using NuGet CLI versions lower than 4.3.0. This **breaking change** is due to required modifications made to the local repository structure in Artifactory to align with the official global repository behavior.

To continue using NuGet packages in versions lower than 4.3.0, add the `artifactory.nuget.disableSemVer2SearchFilterForLocalRepos = true` property to `ARTIFACTORY_HOME/etc/artifactory.system.properties` and proceed to restart your Artifactory service.

For more information, see [NuGet SemVer 2.0 Package Support](#).

Artifactory HA Enhancement

This version enhances the internal locking mechanism in Artifactory HA setups to provide more stability. Prior to this version, Artifactory HA used the third-party Hazelcast library for distributed locking during concurrent operations. From this version, Artifactory introduces a new locking mechanism relying on the database to provide added robustness and stability.

Important: Since the new mechanism relies on the database and therefore may require additional database connections. For more information, see [Database Locks](#).

IPv6 Support

From Artifactory version 6.0.0, Artifactory supports IPv6-enabled hosts. This version allows users to configure IPv6 for both Artifactory standalone instances and for HA setups where you can configure the different nodes in the cluster to communicate over IPv6. This address is used to connect an Artifactory node to its peers over REST or TCP, when required. For more information, see [IPv6 Support](#).

Breaking Change

CSRF Protection

CSRF Protection was released in Artifactory 5.11. From Artifactory 6.0.0, CSRF protection is now enabled by default. Artifactory prevents [CSRF](#) attacks by using a new custom header - 'X-Requested-With', for internal UI calls. If you are using a proxy server, verify that the proxy does not filter out the 'X-Requested-With' header. For more information, see [CSRF Protection](#).

Feature Enhancements

Improved Builds Page and New Improved Table Design

The [Builds page](#) has a new look and feel, together with newly designed tables provide an improved UI experience. Also, a new look and feel for all tables in Artifactory.

Issues Resolved

1. (Applies only if you are upgrading from Artifactory versions 5.10.x and 5.11.x.): Fixed an issue whereby API keys were no longer valid when deactivating an Artifactory Key Encryption and then reactivating it.
2. Fixed an issue whereby Artifactory redirected to an incorrect URL resulting in a 404 error when navigating in PyPI repositories using the Native Browser and browsing a package.
3. Fixed an issue whereby an event based pull replication caused a small thread leak in the subscribed Artifactory. For example, when the source Artifactory from which the target is pulling the artifacts. Additionally, we have capped the maximum number of subscribed Artifactories per repository to 30. You can modify the maximum number of allowed subscribed Artifactories to the event based pull replication per repo by modifying the `artifactory.system.properties` file, by adding the following line:

```
artifactory.replication.eventbased.maxPullReplicationsPerRepo=<number>
```

In addition, we have added a new REST API call to [Get Remote Repositories Registered for Replication](#).

4. Fixed an issue whereby a Docker image would exist on two different repositories with the same tag, causing it to fail when distributing it to Bintray using a Distribution repository.
5. Fixed an issue whereby changes made to Distribution repository rules (e.g., when modifying an existing rule), would not take effect and required restarting Artifactory.
6. Fixed an issue in which two Helm charts containing different build metadata but sharing the same version would count as the same version.
7. Fixed an issue whereby packing a Helm package not using the Helm client prevented the charts to be indexed.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.0.1

Released: May 24, 2018

Issues Resolved

1. Fixed an issue in which when running Artifactory in Microsoft Internet Explorer, several capabilities in the UI did not work: logging out from Artifactory, the Set Me Up window wouldn't close, the Artifacts tab would be blank and the **Advanced** options under the **Admin** tab would be missing.
2. Fixed an issue in which when running Artifactory in Microsoft Internet Explorer 11 or Microsoft Edge 15, the contents of the Builds and the Packages tab in the UI would be misplaced.
3. Fixed an issue in which the Distribute build button in the Builds page in the UI was missing.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.0.2

Released: June 7, 2018

Issues Resolved

1. Fixed an issue related to the JFrog Xray integration in which artifacts could still be downloaded from a remote repository even though it was configured to [Block Unscanned Artifacts](#).
2. Fixed UI issues in the Builds module.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.0.3

Released: June 25, 2018

Issues Resolved

1. Removed a remote code execution vulnerability that may have been exploited when a user with Admin permissions used one of the import capabilities in Artifactory.

JFrog would like to thank [Jakub Zoczek](#) of Allegro Group for reporting this issue and for working with JFrog to help protect our customers.

For a complete list of changes please refer to our [JIRA Release Notes](#).

Artifactory 6.0.4

Released: November 29, 2018

Issue Resolved

1. Fixed an issue in which under certain circumstances, an unauthorized user may be able to send malformed REST API calls to Artifactory that execute under the identity of another user. JFrog would like to thank the **Adobe Security Team** for reporting this issue and for working with JFrog to help protect our customers.

Artifactory 6.0.5

Released: 12 March, 2019

Issue Resolved

1. Fixed an issue whereby under certain circumstances, users could gain access to security APIs that are otherwise exposed only to administrators. JFrog would like to thank [CipherTechs](#) for reporting this issue and for working with JFrog to help protect our customers.

Previous Release Notes

For JFrog Artifactory 5.x release notes, please refer to [Release Notes](#) in the [JFrog Artifactory 5.x User Guide](#).

For JFrog Artifactory 4.x release notes, please refer to [Release Notes](#) in the [JFrog Artifactory 4.x User Guide](#).