

# Artifactory Webhosting User Guide

Created by Robert Taylor, last modified on 18 Jul 2025

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## Introduction

This system provides a central service for hosting static HTML/Javascript backed in an Artifactory repository. It provides an SSO/Azure log in front of a unique url.

 This service is currently available for **repositories** hosted in [AWS](#) open artifactory sites: **us-west-2**, **eu-west-1** and **ap-southeast-1** and the secure **us-west-2-sce**

## Prerequisites

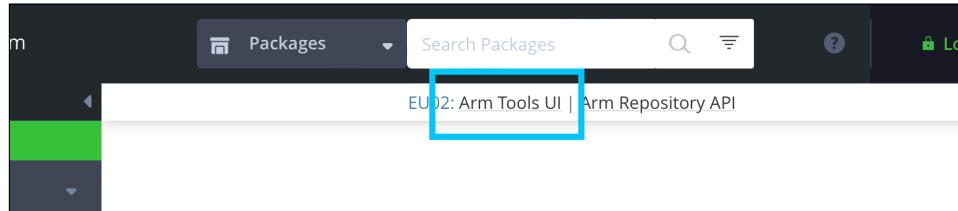
This requires a Artifactory namespace (Project area) See [Artifactory User Guide#RequestingaNamespace](#)

## Create a Repository

### I already have a repository with the data I want to expose

If you already have a repository containing the data you want to expose via the Artifactory Webhosting service **in a supported region for this service**, then you can skip to the steps for configuring permissions and the required properties. If you have a repository containing the data you want to expose, but **it is in an unsupported region** then you can use a **remote** repository in a supported region to expose that data via this service **or convert the repository to a federated repository** (if it is a local repository, i.e. not already federated) and add a supported region to the members of that federated repository (if there isn't a supported region in the members already).

Creating a repository in [Artifactory](#) can be done use the Artifactory Arm Tools UI found on the home page.



Navigate to the [Create](#) tab and enter your repository details. When naming your repository be sure to follow the format `namespace.repo`. We recommend using a federated repository across the three sites Pages is available from and using the region non-specific url to access your site.

### Repository Configuration

```
Repository Key:      namespace.repository-name
Package Type:       generic
Repository Layout:  simple-default
Repository Type:    federated
```

To create a repository you will need to authenticate using a reference token, see [Generating Reference Tokens](#).

Repository Key \*: namespace.my-site

Package Type \*: generic

Description: Documents for static site hosting

Repository Type \*: federated

Repository Layout: simple-default

Federation:

- Site: ap-southeast-1.artifactory.aws Enabled: True
- Site: us-west-2.artifactory.aws.arm Enabled: True

+ Add Site

See also the [guide](#) to managing repositories using Terraform.

## Register Repository

Registering a repository for use with Artifactory Web Hosting can be done using the following steps.

### Configuring default permissions

Ensure your repository has a permission target giving **read access to the 'Webhost Viewer' Service Account**.

Add any users who you want to be able to access your site to your permission target with read access.

Edit Permission abs.foobar  
Edit this permission to manage how users and groups access the resources below. [Learn more](#).

Resources

Select the resource types to which the permission applies.

Users

Select the users and their actions on the selected resources.

Groups

Select the groups and their actions on the selected resources.

Selected Users

Search: webhost\_viewer

Selected Users Repositories: Read

Selected Users Builds: Resource type not selected

Selected Users Artifacts: Resource type not selected

Cancel Save

See [Updating permissions targets](#) for help giving read access to the SA and users.

### Configuring default properties

The following properties should be set on your repository to enable static site hosting.

Properties		
Key:	Value	
webhost.enabled:	true	(Required)
webhost.subfolder:	path/to/site	(Optional)
webhost.landingpage:	dashboard.html	(Optional)
webhost.directoryBrowsing	true	(Optional)

The 'webhost.enabled' property is required to use your repository as a site host. Without it access to your site will be denied to all users.

Happily serving 1,198,532 artifacts

Set Me Up Deploy

abs.foobar

Properties

1 Property

Property Value(s)

webhost.enabled true

## Configuring a specific landing page

The 'subfolder' property points to the subfolder containing your static site and your landing page. If left blank the web server will default to looking into the root of your repository for your landing page.

To load sites from within archives (Supported: .zip, .tar, .tar.gz, .tar.bz2) the path needs to include ! after the archive extension.

### Do not use compressed tarballs tar.gz / tar.bz2 for large sites

Due to the nature of tar balls, viewing any page inside a compressed tar archive *requires the entire archive to be decompressed for each and every file fetch*. Zip should be used for these as it supports random access within the compressed archive.

Archive example:

```
/path/to/archive.zip!/subfolder
```

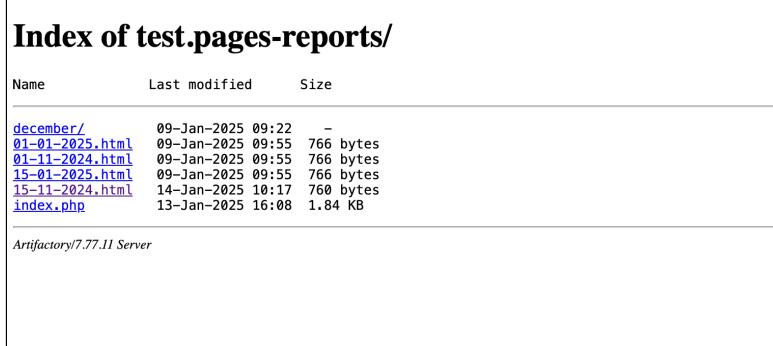
If the 'landingpage' property is empty the web server will default to index.html as the entry point to your site.

When navigating to an archived site, if the URL ends with !, without specifying a subfolder or page, Pages will look for your specified landing page property or 'index.html' and load the site for you.

## Enabling directory browsing

The 'directoryBrowsing' property, when enabled, will show Artifactory's list view to browse the repository whilst allowing pages to render through Artifactory Pages when selected.

### [Directory Browsing UI](#)



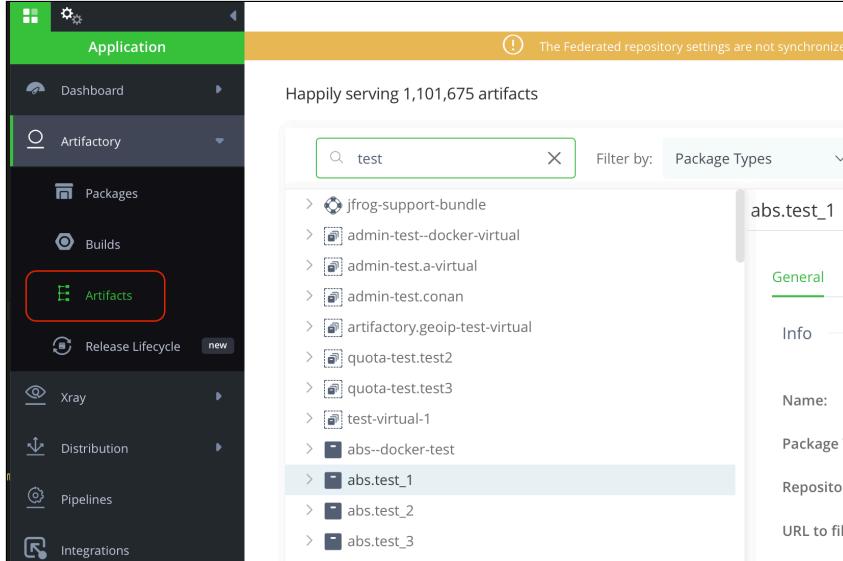
**Index of test.pages-reports/**

Name	Last modified	Size
<a href="#">december/</a>	09-Jan-2025 09:22	-
<a href="#">01-01-2025.html</a>	09-Jan-2025 09:55	766 bytes
<a href="#">01-11-2024.html</a>	09-Jan-2025 09:55	766 bytes
<a href="#">15-01-2025.html</a>	09-Jan-2025 09:55	766 bytes
<a href="#">15-11-2024.html</a>	14-Jan-2025 10:17	760 bytes
<a href="#">index.php</a>	13-Jan-2025 16:08	1.84 KB

Artifactory/7.77.11 Server

### [Adding Repo Properties](#)

To add properties to your repository, navigate to Artifactory and find your repository in the 'Artifacts' panel.



The Federated repository settings are not synchronized

Happily serving 1,101,675 artifacts

Filter by: Package Types

- [jfrog-support-bundle](#)
- [admin-test--docker-virtual](#)
- [admin-test.a-virtual](#)
- [admin-test.conan](#)
- [artifactory.geoip-test-virtual](#)
- [quota-test.test2](#)
- [quota-test.test3](#)
- [test-virtual-1](#)
- [abs--docker-test](#)
- [abs.test\\_1](#)
- [abs.test\\_2](#)
- [abs.test\\_3](#)

abs.test\_1

General

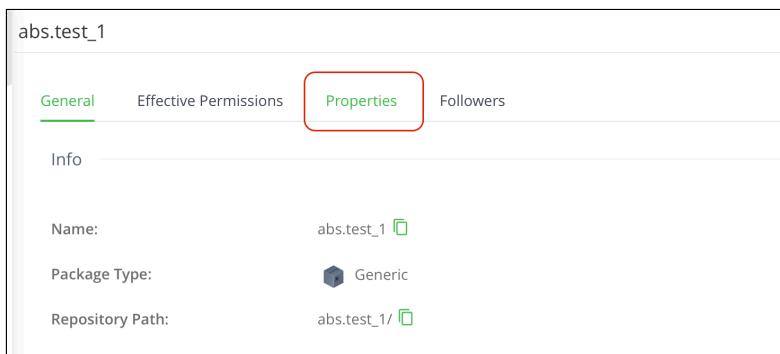
Name: abs.test\_1

Package Type: Generic

Repository Path: abs.test\_1/

URL to file

Select your repository and in the details panel select the 'Properties' tab.



abs.test\_1

General Effective Permissions Properties Followers

Info

Name: abs.test\_1 [Edit](#)

Package Type: Generic

Repository Path: abs.test\_1/ [Edit](#)

Here you can add the required properties to setup your repo for use with Artifactory Pages.

Add: **Property** **Property Set**

webhost.enabled true Add

Recursive (?)

**2 Properties**

Filter Delete (x) Delete Recursively (i)

Property	Value(s)
repository.quota	1   10000MB
webhost.subfolder	1   subfolder/website

## Accessing Sites

### Open Environments

To access a site hosted in a single region, navigate to the host address <https://pages.<REGION>.artifactory-svc.aws.arm.com/> and append the name of the repository containing the site you wish to visit to the URL. This should take you to a SSO page to authenticate before redirecting you to the site if you have the correct permissions.

#### Example region-locked url

```
https://pages.us-west-2.artifactory-svc.aws.arm.com/<NAMESPACE.REPOSITORY>
```

Alternatively use the geo URL and ensure you replicate your repository across **eu-west-1**, **us-west-2** and **ap-southeast-1** to enable full access to your site. See [Artifactory Data Replication](#) for more information on creating federating repos and replicating your repository.

#### Geo URL

```
https://pages.artifactory-svc.geo.arm.com/<NAMESPACE.REPOSITORY>
```

## Secure Cluster (3e002) Export Control Environments

The URL for export control environment is.

#### Example region-locked url

```
https://pages.us-west-2.artifactory-sce-svc.aws.arm.com/<NAMESPACE.REPOSITORY>
```

Please note, GeoDNS URLs do not work inside SCEs

## Supported Content

Currently supported file types:

```
.html | .htm | .css | .js | .jpeg | .jpg | .png | .gif | .svg | .webpage | .woff | .woff2 | .ttf | .otf | .eot | .pdf |
```

No labels

## 6 Comments

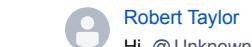


Unknown User (abenson)

Hi @Robert Taylor is there a worked example that we can use as reference ? I am trying to set this up on this repo -

[https://artifactory.arm.com/ui/repos/tree/General/se-cma.luna\\_html\\_docs](https://artifactory.arm.com/ui/repos/tree/General/se-cma.luna_html_docs)

but does not seem to be working...



Robert Taylor

Hi @Unknown User (abenson) , are you seeing any particular error around setting this up? I've had a look over your setup and it looks like it should be good to go



Unknown User (abenson)

Hi robert thanks for the speedy reply - when I go to :

[https://pages.artifactory-svc.geo.arm.com/se-cma/luna\\_html\\_docs](https://pages.artifactory-svc.geo.arm.com/se-cma/luna_html_docs)

I get

Oops, something went wrong!

500

Error retrieving repo properties

Check the repository you're trying to access exists and is setup for Artifactory Pages

---



Unknown User (abenson)

Ok this is works - did not spot the "." in <namespace>.<reponame>

[https://pages.artifactory-svc.geo.arm.com/se-cma.luna\\_html\\_docs/](https://pages.artifactory-svc.geo.arm.com/se-cma.luna_html_docs/)

---



Robert Taylor

You beat me to it! To make sure assets load properly I'd recommend changing webhost.subfolder to '/v1.0/luna\_html\_files.zip!/luna\_docs\_html/FECAD/' without the html included so your links work properly.

---



Unknown User (abenson)

Ok So I tried this - as I spotted some of the assets are not displaying correctly. but I then get this. I am guessing that I should just see the contents of the folder as i have got webhost.directoryBrowsing true

```
{  
  "errors" : [ {  
    "status" : 404,  
    "message" : "Unable to find zip resource: 'luna_docs_html/FECAD' using full URI '/artifactory/se-cma.luna_ht  
  } ]  
}
```

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