

# Artifactory Webhosting User Guide

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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**

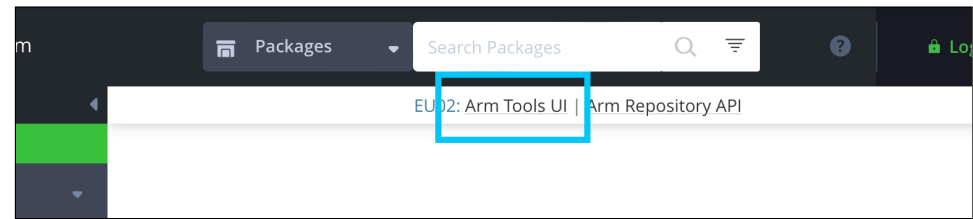
## Prerequisites

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](#) .

Create

Modify

Repository Key \*

namespace.my-site

Repository Type \*

federated

Package Type \*

generic

Repository Layout

simple-default

Description

Documents for static site hosting

+ Add new field

Federation

Site

ap-southeast-1.artifactory.aws

us-west-2.artifactory.aws.arm

Enabled

True

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.

Administration

User Management

Permissions

Edit Permission abs.foobar

Resources

Users

Groups

Selected Users

Selected Users Repositories

Selected Users Builds

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.

Application

Artifactory

Packages

Builds

Artifacts

Release Lifecycle

Xray

Distribution

Pipelines

Integrations

Happily serving 1,198,532 artifacts

Set Me Up

Deploy

abs.f

Clear

My Favorites

Tree View

abs.foobar

abs.foobar

General

Effective Permissions

Properties

Followers

Recursive

1 Property

Filter

Delete

Delete Recursively

Property

Value(s)

webhost.enabled

1 | 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

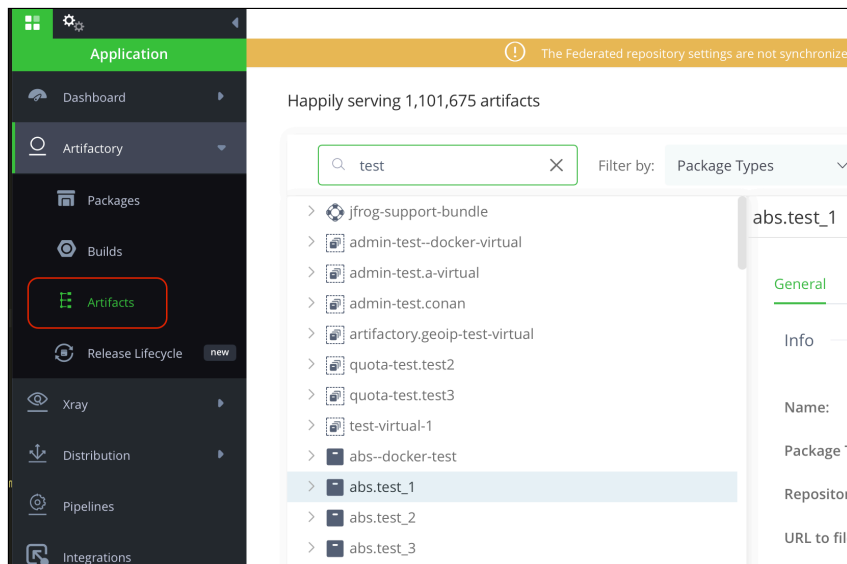
The 'directoryBrowsing' property, when enabled, will show Artifactory's list view to browse the repository whilst allowing pages to render through Artifactory Pages when selected.

### › Directory Browsing UI

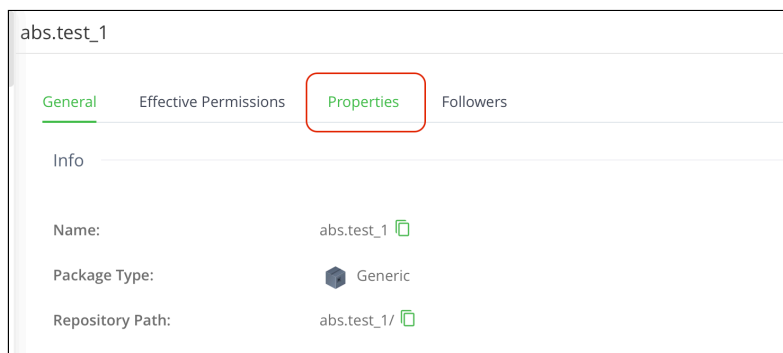
Index of test.pages-reports/			
Name	Last modified	Size	
<a href="#">december/</a>	09-Jan-2025 09:22	-	
<a href="#">01-01-2025.html</a>	09-Jan-2025 09:55	766 bytes	
<a href="#">01-11-2024.html</a>	09-Jan-2025 09:55	766 bytes	
<a href="#">15-01-2025.html</a>	09-Jan-2025 09:55	766 bytes	
<a href="#">15-11-2024.html</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.



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



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

GeneralEffective PermissionsPropertiesFollowers

Add:PropertyProperty Set

webhost.enabledtrueAdd

☐ Recursive ⓘ

2 Properties

Filter

⊗ Delete🗑 Delete Recursively

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_htr
  } ]
}
```

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