

Push Image to JFROG Registry

Issue:

We are using Repository Method as the Docker Access Method and http for connectivity as shown in the below diagram,

HTTP Settings

Docker Settings

① Not using HTTPS requires Docker clients to add an --insecure-registry flag to DOCKER_OPTS

Docker Access Method
Repository Path

When using the Repository Path method, the repository path (i.e. <REPOSITORY_KEY>/<IMAGE>) will be used when accessing the Artifactory Docker repository.

① In comparison to the Port and Sub Domain methods, using this method eliminates the requirement of configuring Artifactory behind a reverse proxy. Using a reverse proxy is optional. We recommend using this method when testing Artifactory as a Docker registry. For production purposes, we recommend using the Sub Domain method.

Example of docker push or pull and login commands:
docker pull / push novartis.devops.altimetrik.io:8081/<REPOSITORY_KEY>/<IMAGE>:<TAG>
docker login -u <USER_NAME> -p <USER_PASSWORD> novartis.devops.altimetrik.io:8081

Reverse Proxy Settings

Server Provider *
Embedded Tomcat

Public Server Name * ①
novartis.devops.altimetrik.io

Public Context Path ①
artifactory

☒ Use HTTP

HTTP Port *
8081

☐ Use HTTPS

① Users will have access to Artifactory at the following URL(s):
<http://novartis.devops.altimetrik.io:8081/artifactory>

To push an image to insecure docker registry i.e. http, we need to set the insecure registry in the docker daemon file. We are not able to do so via jenkins pipeline.

Error while pushing image without setting insecure repository is as follows,

Error response from daemon: Get <https://novartis.devops.altimetrik.io:8081/v2/>: http: server gave HTTP response to HTTPS client

Solution Tried

To include the insecure registries we need to create/modify the docker daemon file present at `/etc/docker/daemon.json` on Linux with the following content.

```
{  
  "insecure-registries" : [ "myregistrydomain.com:5000" ]  
}
```

But still the docker was not able to catch the insecure registries and was still giving the error,

Error response from daemon: Get <https://novartis.devops.altimetrik.io:8081/v2/>: http: server gave HTTP response to HTTPS client