

Prepare Preview Release for Docker

- 1. [Tag Release on GitHub for dspace and dspace-angular](#)
- 2. [Build Docker Images](#) The images could be built and pushed from the command line.
- 3. [Modify the d7.preview.yml](#) to use the new image names

 These instructions are outdated. See [DSpace 7 Release Procedure](#) for updated instructions.

1. Tag Release on GitHub for dspace and dspace-angular

Provide a good tag name for the release.

2. Build Docker Images

The images could be built and pushed from the command line.

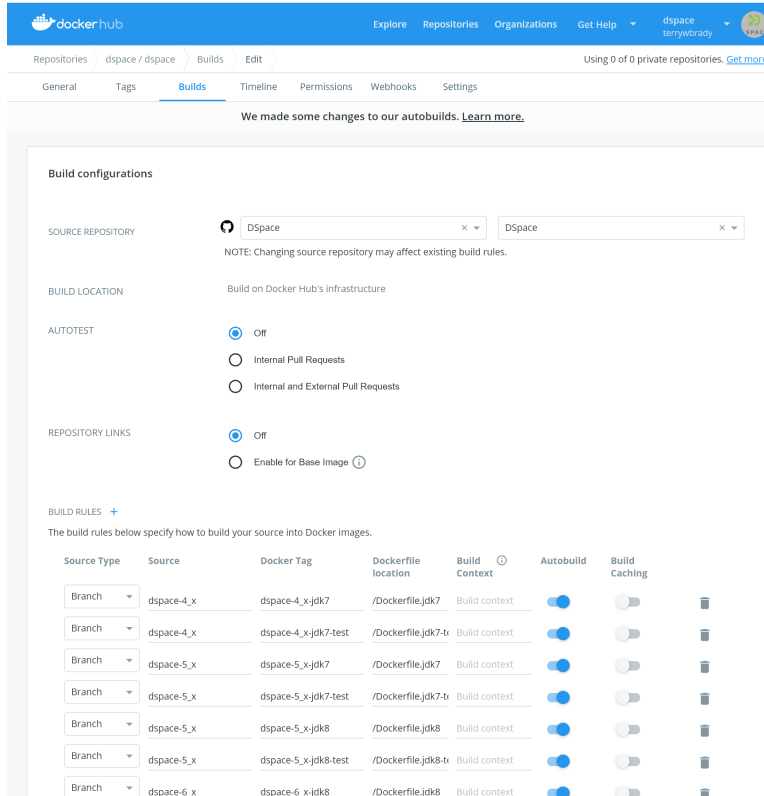
Terry, Tim, Pascal and Patrick Trottier have push access to our repo.

Build docker image

```
cd <DSpace-SRC>
--checkout tag--
docker build -t dspace/dspace:<tag> -f Dockerfile.jdk8-test .
docker push dspace/dspace:<tag>

cd <ANGULAR-SRC>
--checkout tag--
docker build -t dspace/dspace-angular:<tag> .
docker push dspace/dspace-angular:<tag>
```

Or, the build could be configured on the automated build screen.
Use the same tag name for the Docker image.



The screenshot shows the Docker Hub interface for configuring builds. At the top, there's a navigation bar with 'docker hub' logo and user 'dspace' profile. Below is a breadcrumb trail: 'Repositories > dspace / dspace > Builds > Edit'. A notification states: 'We made some changes to our autobuilds. [Learn more.](#)'

The 'Build configurations' section includes:

- SOURCE REPOSITORY:** Two dropdown menus both set to 'DSpace'. A note below says: 'NOTE: Changing source repository may affect existing build rules.'
- BUILD LOCATION:** 'Build on Docker Hub's infrastructure' (selected).
- AUTOTEST:** Radio buttons for 'Off' (selected), 'Internal Pull Requests', and 'Internal and External Pull Requests'.
- REPOSITORY LINKS:** Radio buttons for 'Off' (selected) and 'Enable for Base Image'.
- BUILD RULES:** A section with a '+' icon and a note: 'The build rules below specify how to build your source into Docker images.'

The 'BUILD RULES' table has the following columns: Source Type, Source, Docker Tag, Dockerfile location, Build Context, Autobuild, Build Caching, and a trash icon. It lists 8 rules:

Source Type	Source	Docker Tag	Dockerfile location	Build Context	Autobuild	Build Caching	
Branch	dspace-4_x	dspace-4_xjdk7	/Dockerfile.jdk7	Build context	On	Off	🗑️
Branch	dspace-4_x	dspace-4_xjdk7-test	/Dockerfile.jdk7-tr	Build context	On	Off	🗑️
Branch	dspace-5_x	dspace-5_xjdk7	/Dockerfile.jdk7	Build context	On	Off	🗑️
Branch	dspace-5_x	dspace-5_xjdk7-test	/Dockerfile.jdk7-tr	Build context	On	Off	🗑️
Branch	dspace-5_x	dspace-5_xjdk8	/Dockerfile.jdk8	Build context	On	Off	🗑️
Branch	dspace-5_x	dspace-5_xjdk8-test	/Dockerfile.jdk8-tr	Build context	On	Off	🗑️
Branch	dspace-6_x	dspace-6_xjdk8	/Dockerfile.jdk8	Build context	On	Off	🗑️

3. Modify the d7.preview.yml to use the new image names

- <https://github.com/DSpace-Labs/DSpace-Docker-Images/blob/master/docker-compose-files/dspace-compose/d7.preview.yml#L10-L14>