

Docker Compose Refactoring

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Use Cases

- UC1: Run DSpace 7 with no code changes
- UC2: Run DSpace 7 with REST changes
- UC3: Run DSpace 7 with Angular changes
- UC4: Run DSpace 7 with REST and Angular changes

DSpace-Docker-Files v1

<https://github.com/DSpace-Labs/DSpace-Docker-Images/blob/master/documentation/run.DSpace7.md>

Use Case	From Repo	Command
UC1	DSpace-Docker-Images	<code>docker-compose -p d7 -f docker-compose.yml -f d7.override.yml up -d</code>
UC2	DSpace	<code>export DSPACE_SRC=\$(pwd)</code>
	DSpace-Docker-Images	<code>docker-compose -p d7 -f docker-compose.yml -f d7.override.yml -f src.override.yml build</code> <code>docker-compose -p d7 -f docker-compose.yml -f d7.override.yml -f src.override.yml up -d</code>
UC3	DSpace-angular	<code>export ANGULAR_SRC=\$(pwd)</code>
	DSpace-Docker-Images	<code>docker-compose -p d7 -f docker-compose.yml -f d7.override.yml -f ang-src.override.yml build</code> <code>docker-compose -p d7 -f docker-compose.yml -f d7.override.yml -f ang src.override.yml up -d</code>
UC4	DSpace	<code>export DSPACE_SRC=\$(pwd)</code>
	DSpace-angular	<code>export ANGULAR_SRC=\$(pwd)</code>
	DSpace-Docker-Images	<code>docker-compose -p d7 -f docker-compose.yml -f d7.override.yml -f src.override.yml -f ang-src.override.yml build</code> <code>docker-compose -p d7 -f docker-compose.yml -f d7.override.yml -f src.override.yml -f ang src.override.yml up -d</code>

DSpace-Docker-Files v2

<https://github.com/DSpace-Labs/DSpace-Docker-Images/tree/master/docker-compose-files/dspace-compose-v2#run-dspace-7x>

UC1 - UC4 are the same as above. The ingest commands will change.

Refactor Option 1

This option contains the following PR's that allow a developer to start DSpace REST + UI from either DSpace/DSpace or DSpace/DSpace-angular.

- <https://github.com/DSpace/DSpace/pull/2523> (6x)
- <https://github.com/DSpace/DSpace/pull/2525> (7x)
- <https://github.com/DSpace/dspace-angular/pull/489> (Angular)

Use Case	From Repo	Command
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UC1	DSpace or DSpace-angular	<code>docker-compose -p d7 up -d</code>
UC2	DSpace	<code>docker-compose -p d7 up -d --build</code>
UC3	DSpace-angular	<code>docker-compose -p d7 up -d --build</code>
UC4	DSpace	<code>docker-compose -p d7 --build</code> (this will update the image locally)
	DSpace-angular	<code>docker-compose -p d7 up -d --build</code>

Refactor Option 2

This option contains the following PR's that allow a developer to start DSpace REST from DSpace/DSpace and DSpace UI from DSpace/DSpace-angular.

- <https://github.com/DSpace/DSpace/pull/2523> (6x)
- <https://github.com/DSpace/DSpace/pull/2530> (7x)
- <https://github.com/DSpace/dspace-angular/pull/493> (Angular)

This option will revise PR2525 to remove the angular image from the docker-compose file in DSpace/DSpace. The angular image will only be start-able from the DSpace-angular repo.

This assumes that the docker-compose file for travis can be re-purposed for interactive testing.

Use Case	From Repo	Command
UC1	DSpace-angular	<code>docker-compose -p d7 -f docker-compose.yml -f docker-compose-travis.yml up -d</code>
UC2	DSpace	<code>docker-compose -p d7 up -d --build</code>
	DSpace-angular	<code>docker-compose -p d7 up -d</code>
UC3	DSpace-angular	<code>docker-compose -p d7 -f docker-compose.yml -f docker-compose-travis.yml up -d --build</code>
UC4	DSpace	<code>docker-compose -p d7 up -d --build</code>
	DSpace-angular	<code>docker-compose -p d7 up -d --build</code>

Refactor Option 3 (recommended)

This option contains the following PR's that allow a developer to start DSpace REST from DSpace/DSpace and DSpace UI from DSpace/DSpace-angular. An optional component would allow DSpace UI to be started from DSpace/DSpace.

- <https://github.com/DSpace/DSpace/pull/2523> (6x)
- <https://github.com/DSpace/DSpace/pull/2530> (7x)
- <https://github.com/DSpace/dspace-angular/pull/493> (Angular)

This option will revise PR2525 to remove the angular image from the docker-compose file in DSpace/DSpace. The angular image will only be start-able from the DSpace-angular repo.

This assumes that the docker-compose file for travis can be re-purposed for interactive testing.

Use Case	From Repo	Command
UC1	DSpace-angular or DSpace	<code>docker-compose -p d7 -f docker-compose.yml -f docker/docker-compose-rest.yml up -d</code> <code>docker-compose -p d7 -f docker-compose.yml -f dspace/src/main/docker-compose/docker-compose-angular.yml up -d</code>
UC2	DSpace	<code>docker-compose -p d7 -f docker-compose.yml -f dspace/src/main/docker-compose/docker-compose-angular.yml up -d --build</code>
UC3	DSpace-angular	<code>docker-compose -p d7 -f docker-compose.yml -f docker/docker-compose-rest.yml up -d --build</code>

UC4	DSpace	docker-compose -p d7 up -d --build
	DSpace-angular	docker-compose -p d7 up -d --build