

Docker Layouts and Creating Local Containers

Package	Shibboleth IDP	Grouper	CManage
how containers descend	centos:centos7	centos:centos7	centos:centos7
	tier/centos7base (git)	tier/centos7base (git)	tier/centos7base (git)
	tier/shibboleth_idp (git)	tier/shibboleth_sp (git)	tier/shibboleth_sp (git)
	my/shibboleth_idp (git)	tier/grouper (git)	tier/comanage (git)
		my/grouper (git docker-compose)	my/comanage (git docker-compose)

Creating a local Dockerfile based on the [TIER appliances](#) to create campus customizations is always possible. One can then build a container and push to a local registry for deployment in a campus environment.

e.g. Create a local Dockerfile:

```
FROM my/grouper

ARG maintainer=$maintainer
ARG imagename=$imagename
ARG version=$version

RUN echo hello world
```

Build the local container:

```
maintainer="my"
imagename="localpackagename"
version="1.0"
docker build --rm -t $maintainer/$imagename --build-arg maintainer=$maintainer --build-arg imagename=$imagename
--build-arg version=$version .
```

Now, run the following command:

```
docker images
```

The container should be in the local repo, named my/localpackagename in this case.

Source code for TIER containers/VMs are located at the following URL: <https://github.internet2.edu/docker>