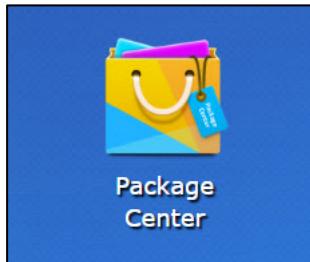


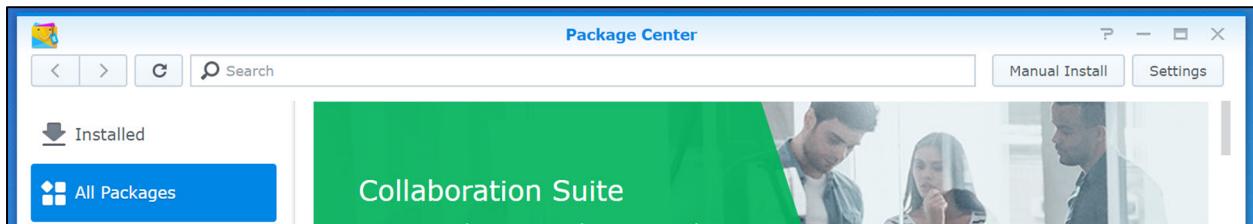
Installing Docker on a Synology:

(Applicable models can be found here: <https://www.synology.com/en-us/dsm/packages/Docker>)

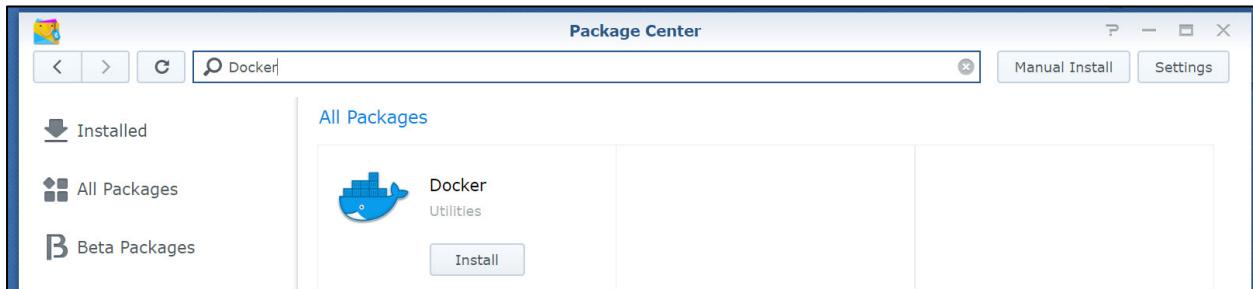
Begin with logging onto the web interface of your Synology. Once you are logged in, look for the 'Package Center' icon (shown below) and open it.



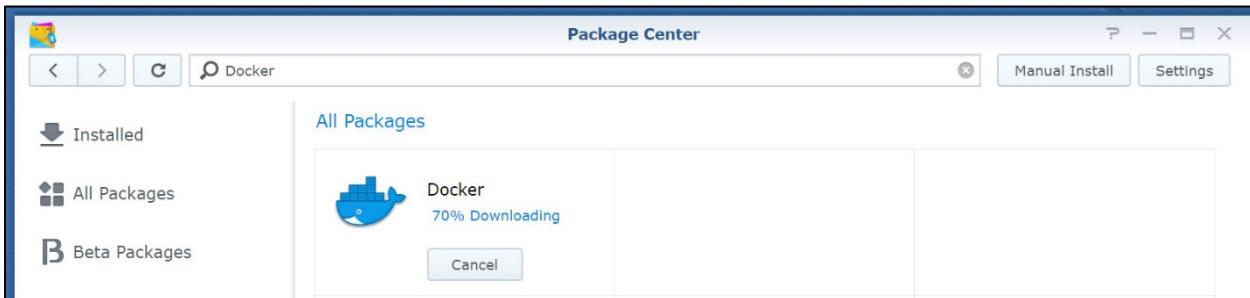
Once you have Package Center open, you will want to use the search bar at the top of the window to search for the 'Docker' package.



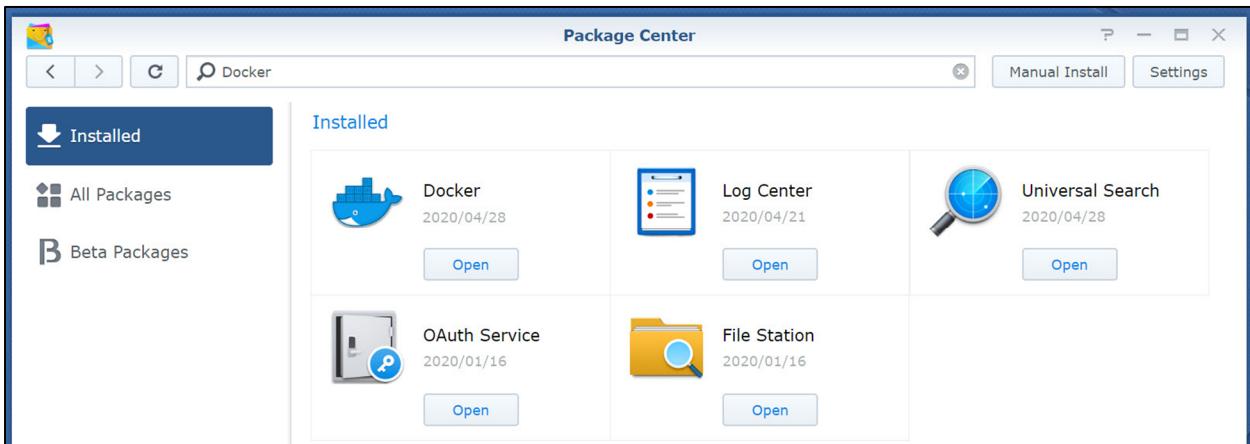
Type 'Docker' into the search bar, and you should be presented back with the package to install. (If the package does not appear, you may have a Synology model which is not supported. Please check at the URL at the top of this guide)



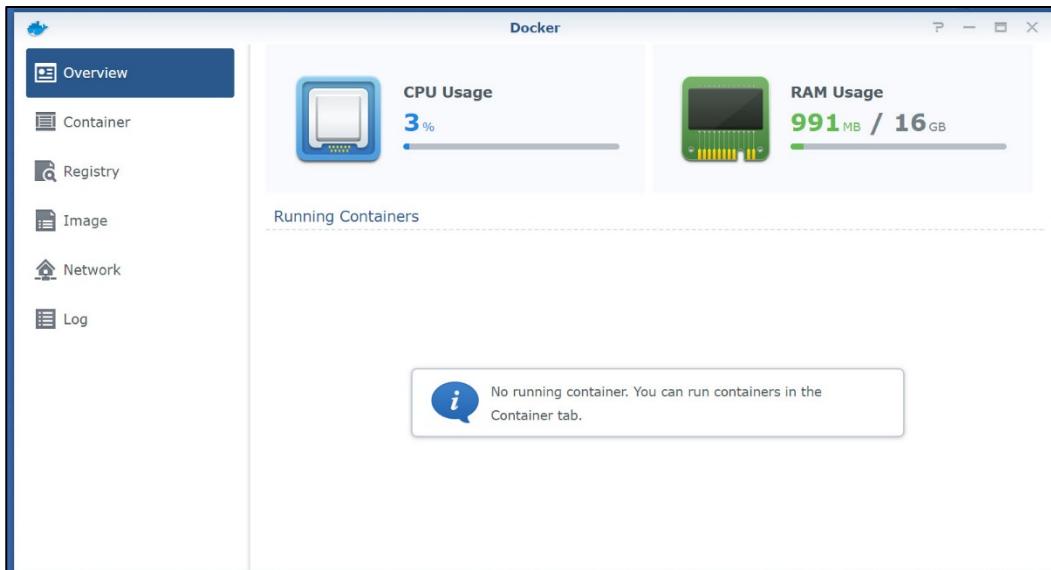
After you click 'Install', the package will begin to download and install, the icon will update with this progress:



After the package installation has completed, you will see Docker listed in your 'Installed' packages. You should also be able to connect to your Synology via SSH at this point to run Docker commands at the command line.

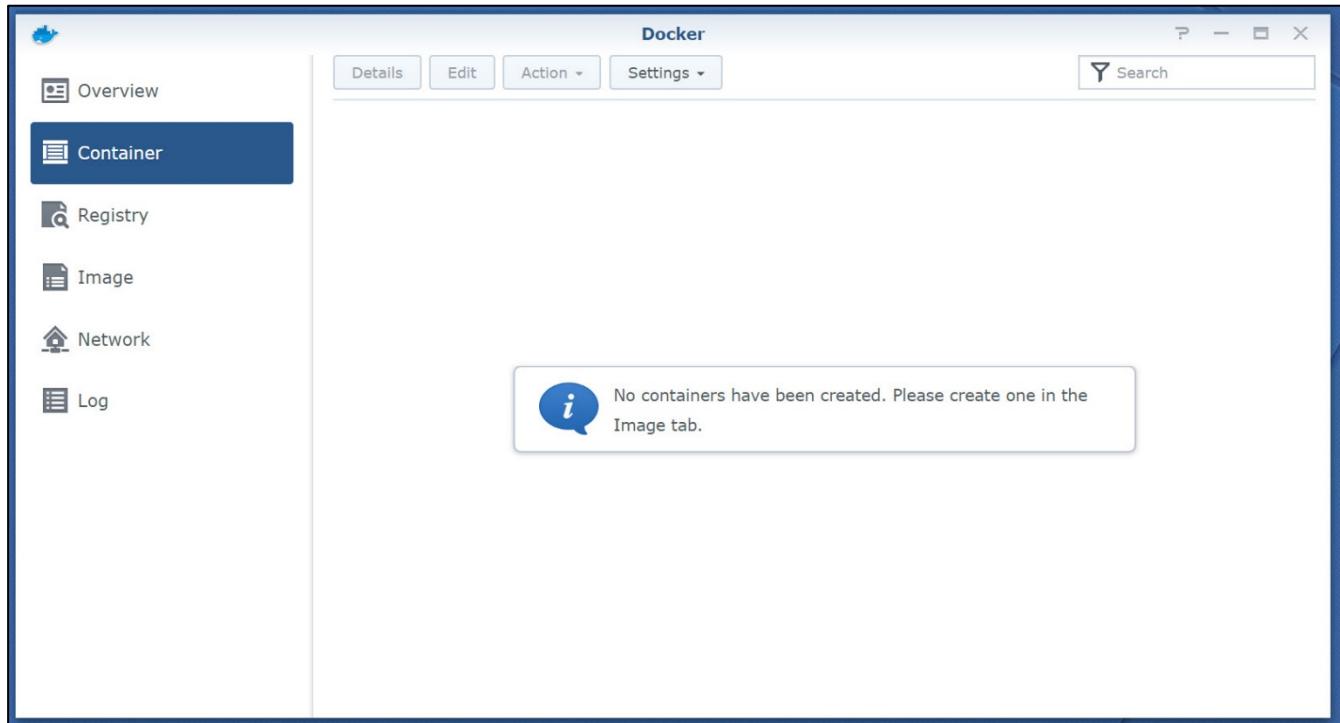


When you open Docker, you will be presented with this window:

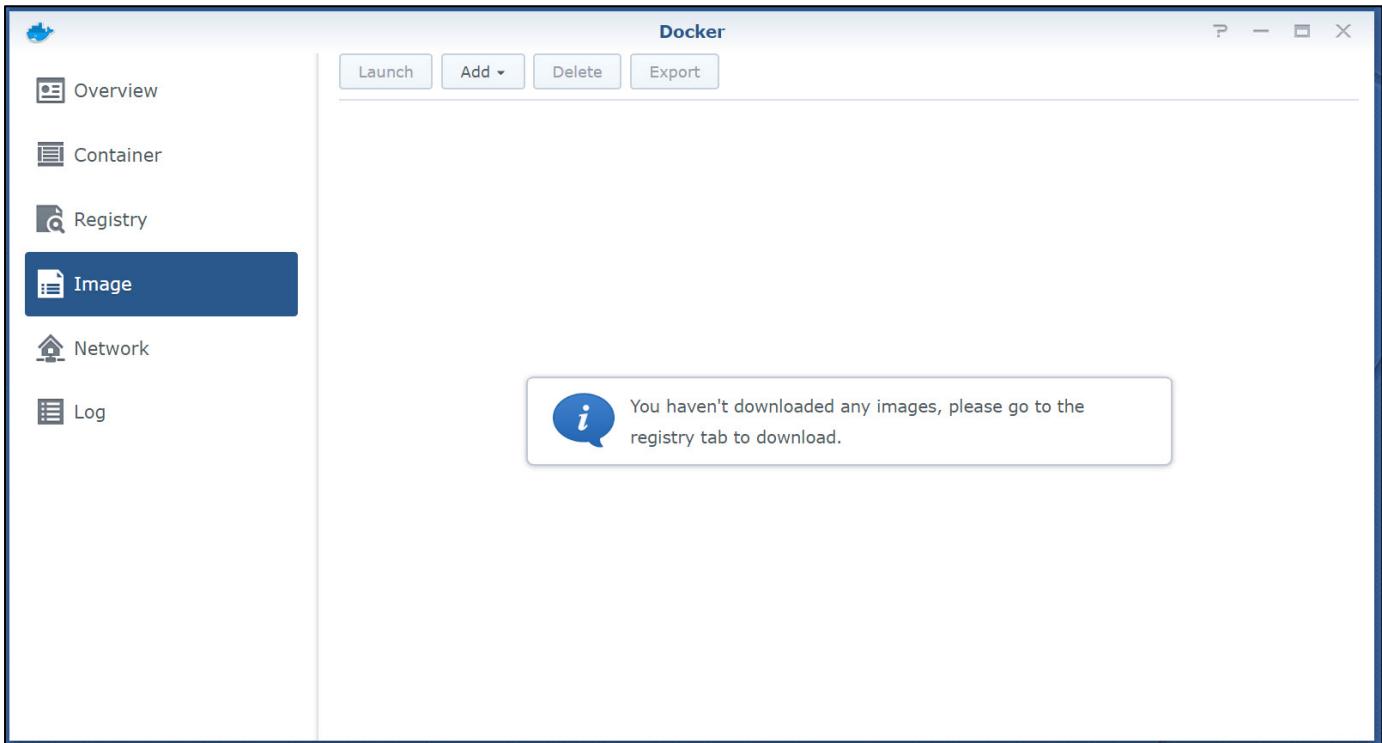


Interactive First Container Setup:

Now that we have Docker installed, it is time to create our first container. Let's just go to our 'Container' tab and create one.



Well, maybe not. Apparently, we need to go to the 'Image' tab first to create it. Let's open that now.



OK, so now we should head over to the 'Registry' tab to download an image. Onwards!

Once we open the 'Registry' tab, we will be presented with a list of popular container images, and the search bar which we will use to find our image.

The screenshot shows the Docker application window with the 'Registry' tab selected. The main pane displays a list of Docker images, each with a name, a brief description, a 'Download' button, a star rating, and a badge indicating the number of downloads. The images listed are: nginx, centos, jenkins, fedora, oraclelinux, websphere-liberty, adoptopenjdk, and clearlinux. A search bar at the top is empty. Navigation buttons and a total item count (5904 item(s)) are visible at the bottom.

Name	Description	Downloads	Rating
nginx	Official build of Nginx.	13K	5 stars
centos	The official build of CentOS.	6K	5 stars
jenkins	Official Jenkins Docker image	5K	5 stars
fedora	Official Docker builds of Fedora	881	5 stars
oraclelinux	Official Docker builds of Oracle Linux.	652	5 stars
websphere-liberty	Official IBM WebSphere Application Server for Developers Liberty image.	260	5 stars
adoptopenjdk	Official Images for OpenJDK + HotSpot and OpenJDK + Eclipse OpenJ9 binaries built by AdoptOpenJD...	147	5 stars
clearlinux			5 stars

Within the search bar, enter 'alpine' to find our easy to use simple Linux container.

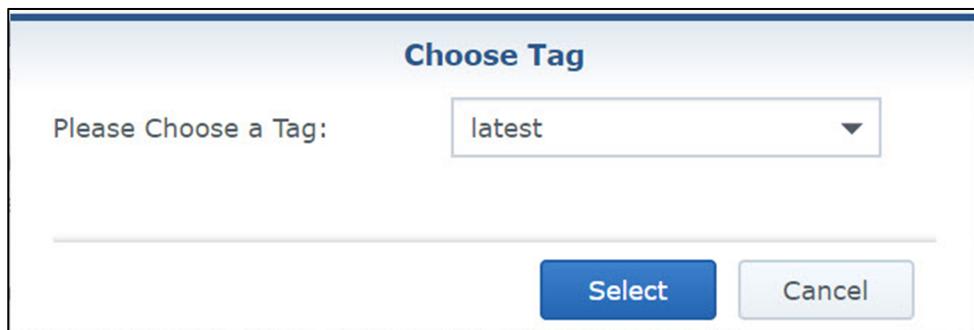
The screenshot shows the Docker application window with the 'Registry' tab selected. The search bar contains the text 'alpine'. The main pane displays a list of Docker images related to Alpine Linux, each with a name, a brief description, a 'Download' button, a star rating, and a badge indicating the number of downloads. The images listed are: alpine, mhart/alpine-node, anapsix/alpine-java, frovlad/alpine-glibc, gliderlabs/alpine, alpine/git, mvertes/alpine-mongo, and yobasystems/alpine-mariadb. The search bar shows the query 'alpine'. Navigation buttons and a total item count (38360 item(s)) are visible at the bottom.

Name	Description	Downloads	Rating
alpine	A minimal Docker image based on Alpine Linux with a complete package index and only 5 MB in size!	6K	5 stars
mhart/alpine-node	Minimal Node.js built on Alpine Linux	467	5 stars
anapsix/alpine-java	Oracle Java 8 (and 7) with GLIBC 2.28 over AlpineLinux	445	5 stars
frovlad/alpine-glibc	Alpine Docker image with glibc (~12MB)	243	5 stars
gliderlabs/alpine	Image based on Alpine Linux will help you win at minimalism	181	5 stars
alpine/git	A simple git container running in alpine linux, especially for tiny linux distro.	132	5 stars
mvertes/alpine-mongo	light MongoDB container	112	5 stars
yobasystems/alpine-mariadb			5 stars

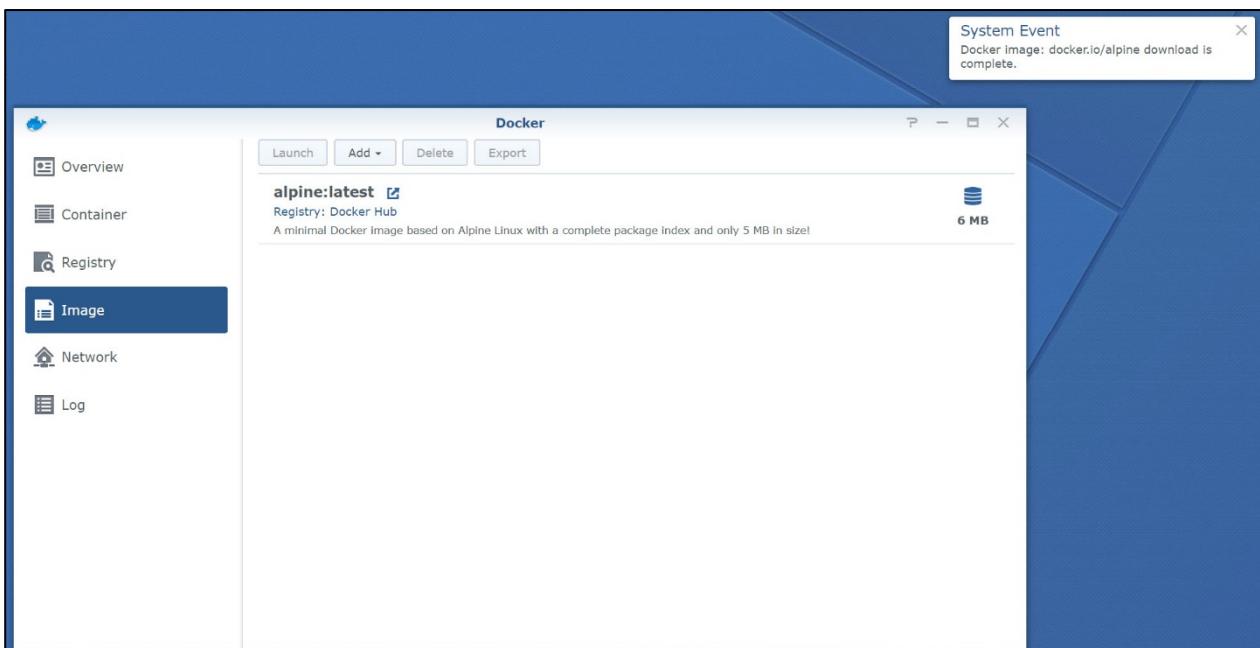
Click on the image to select it, and we can then click the 'Download' button above to pull down the container image:



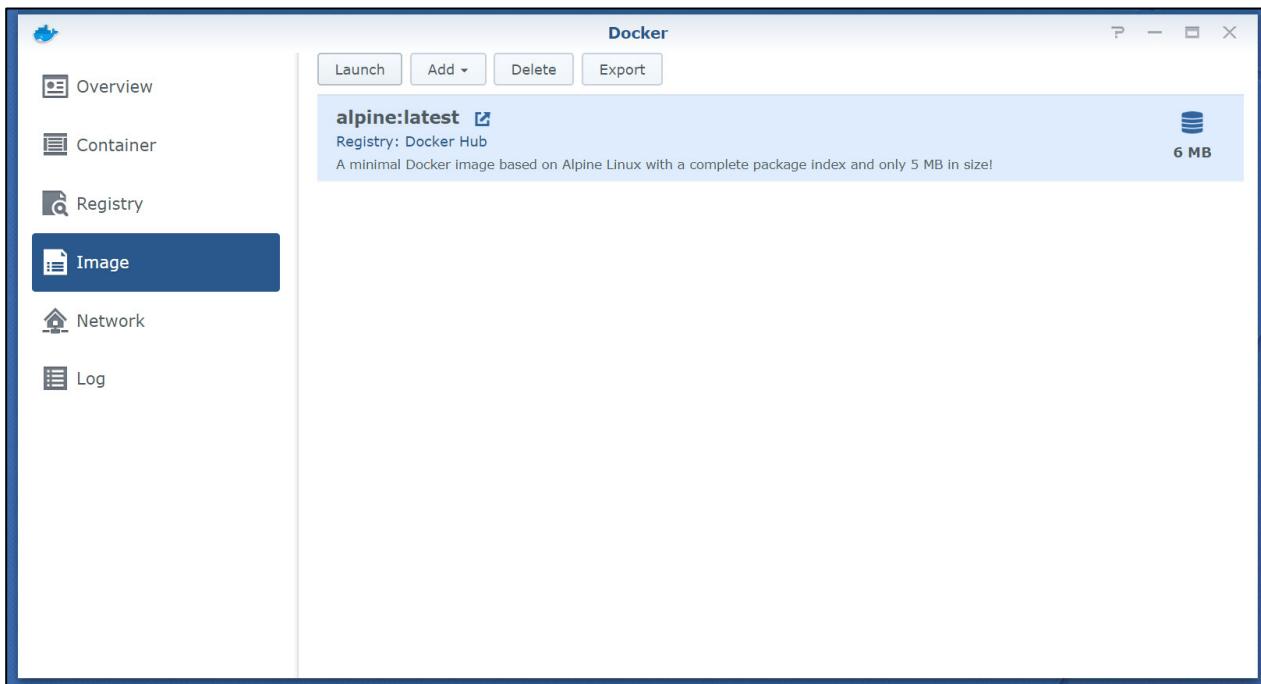
Once we click the 'Download' button, we are prompted to choose a tag (this is essentially the version of the container to pull). Since we have no specific version requirement, we will continue with the default of 'latest' and click 'Select'.



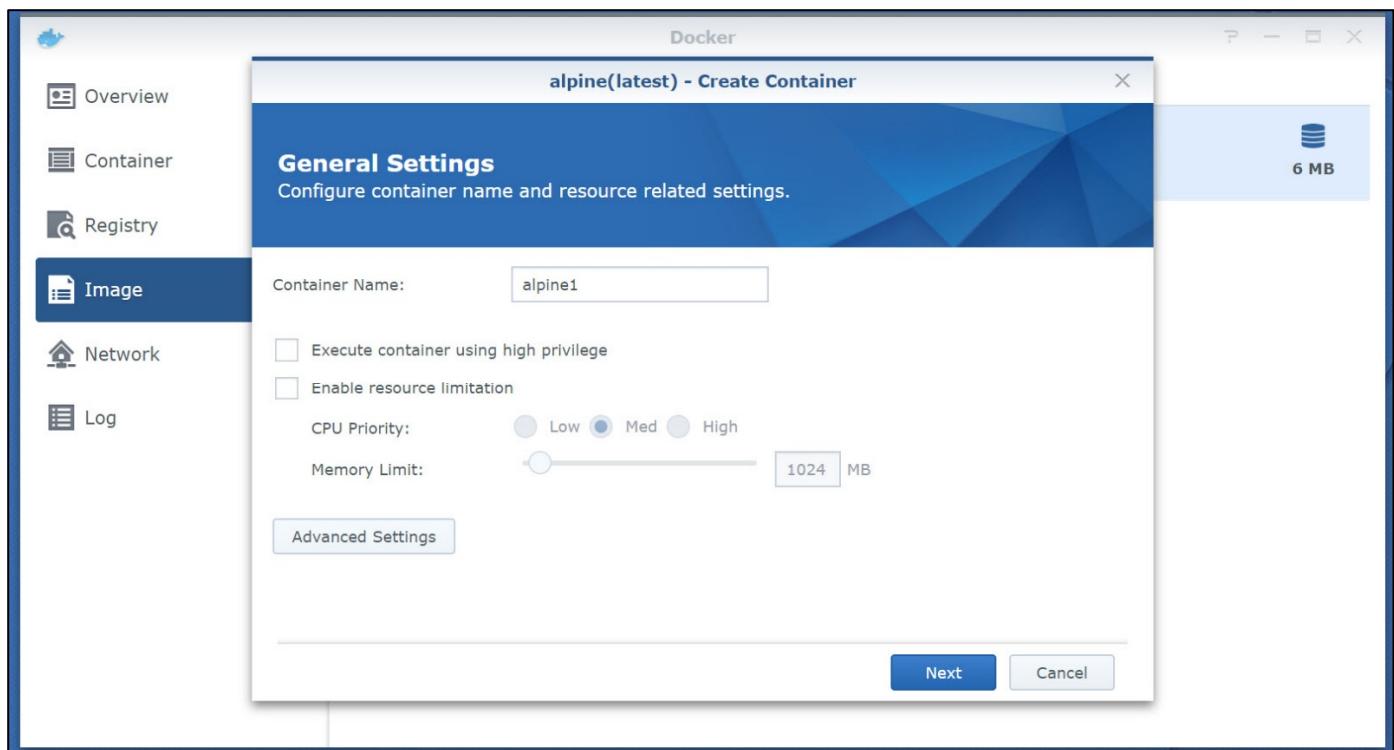
When the download begins, we will see the main Docker application window again, and our image will be shown once downloaded. Synology will also display a System Event notification about the download being complete.



With our download complete, we can launch a new container from our image. Select the image and click the 'Launch' button above.



The 'Create Container' wizard will now launch to let us enter any specific settings for our container. For now, we will keep default privileges and no resource limits.



We also have the option to click the 'Advanced Settings' button and we will be presented with additional settings tabs for these additional types of settings:

Advanced Settings: auto-restart of the container, desktop shortcuts

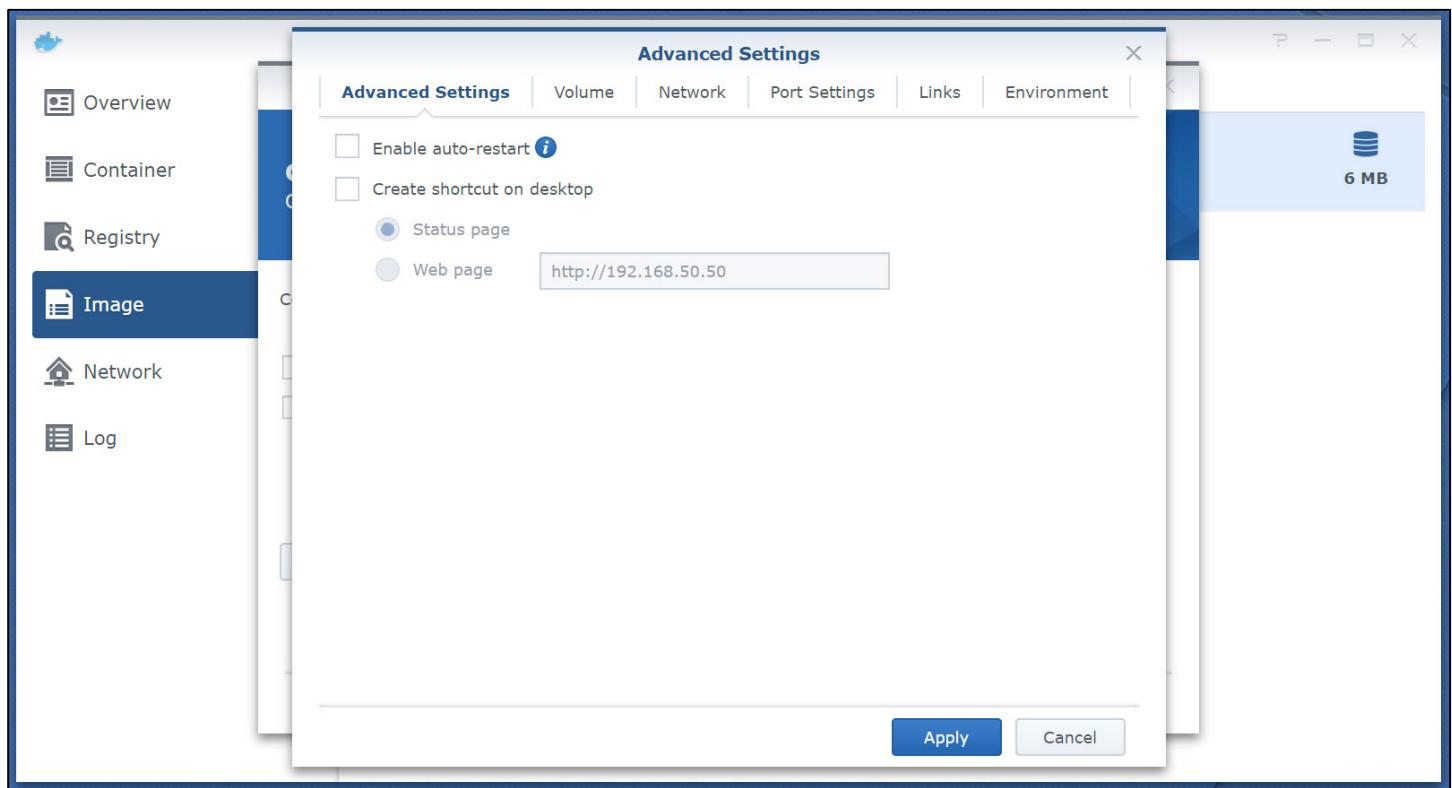
Volume: Add a file/folder as a mount path (as read only or read/write)

Network: Add network connections for container

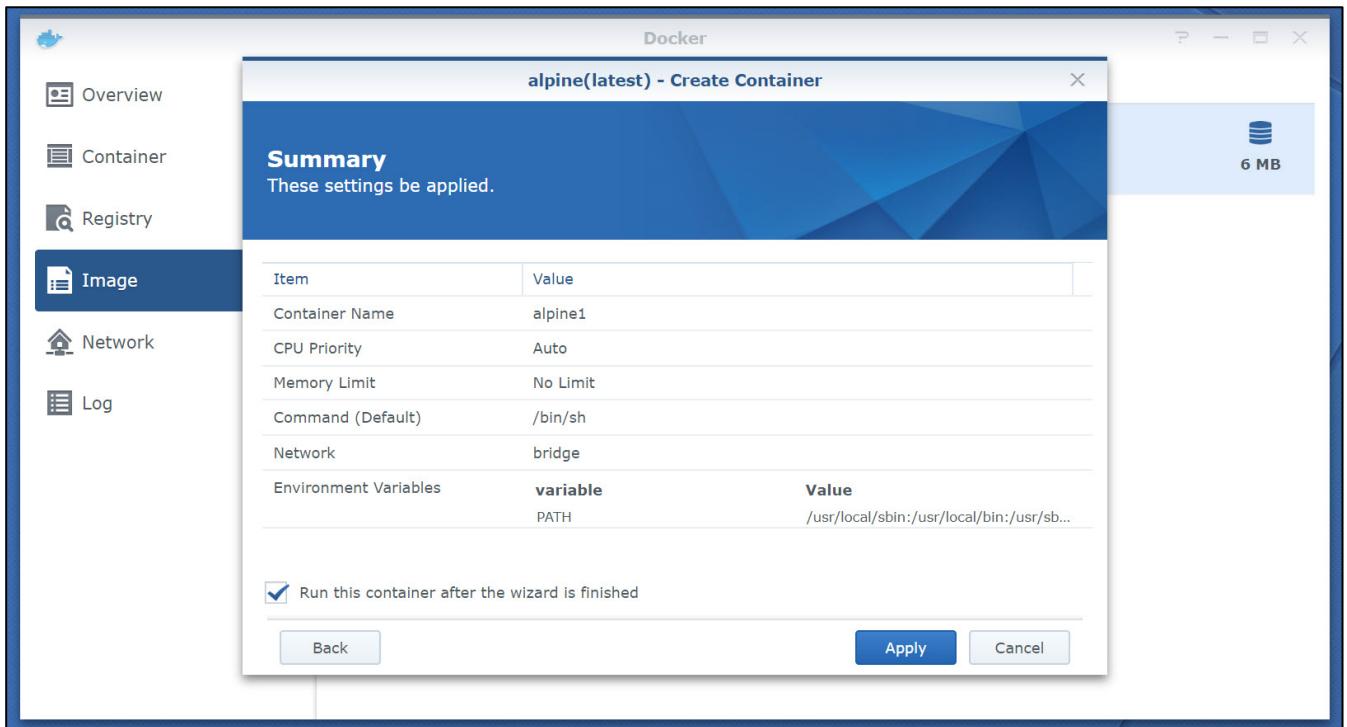
Port Settings: Add port bindings from host to container

Links: create aliases for other containers

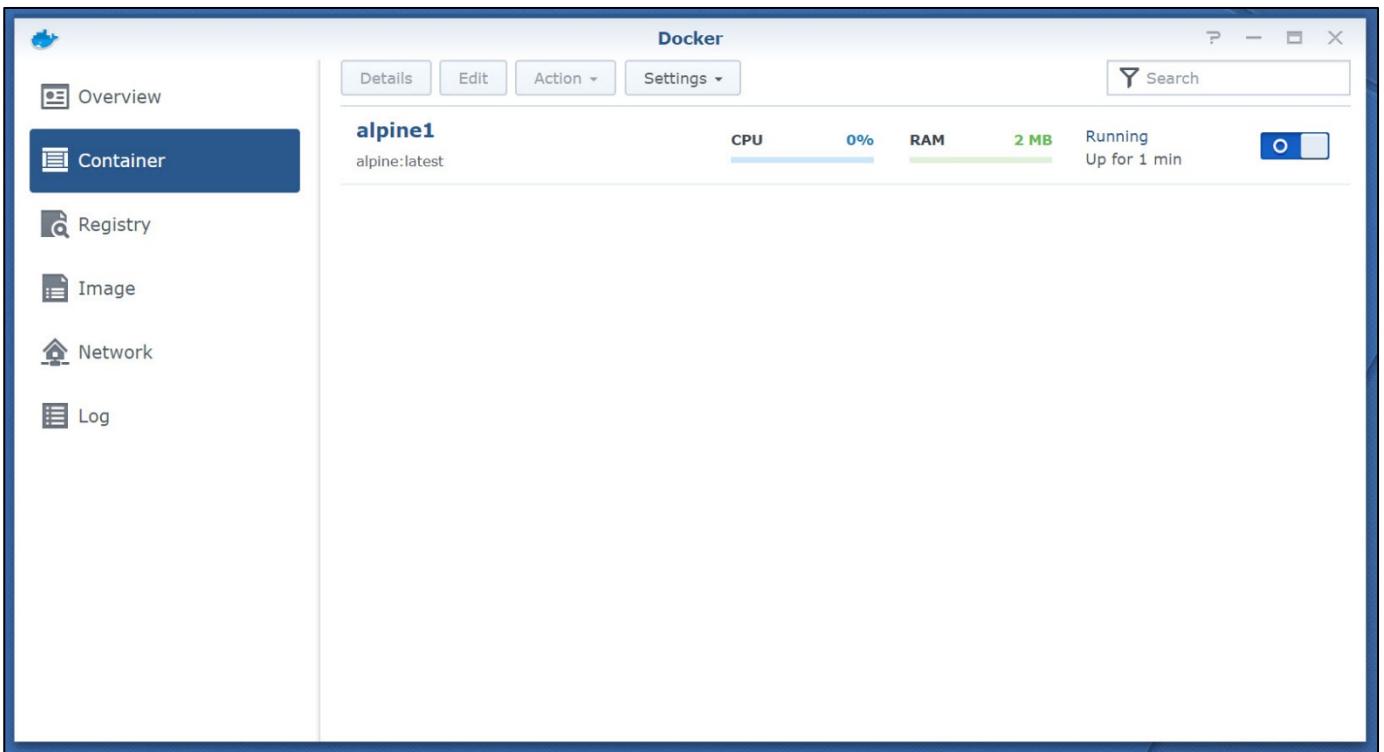
Environment: Set environment variables and execution commands



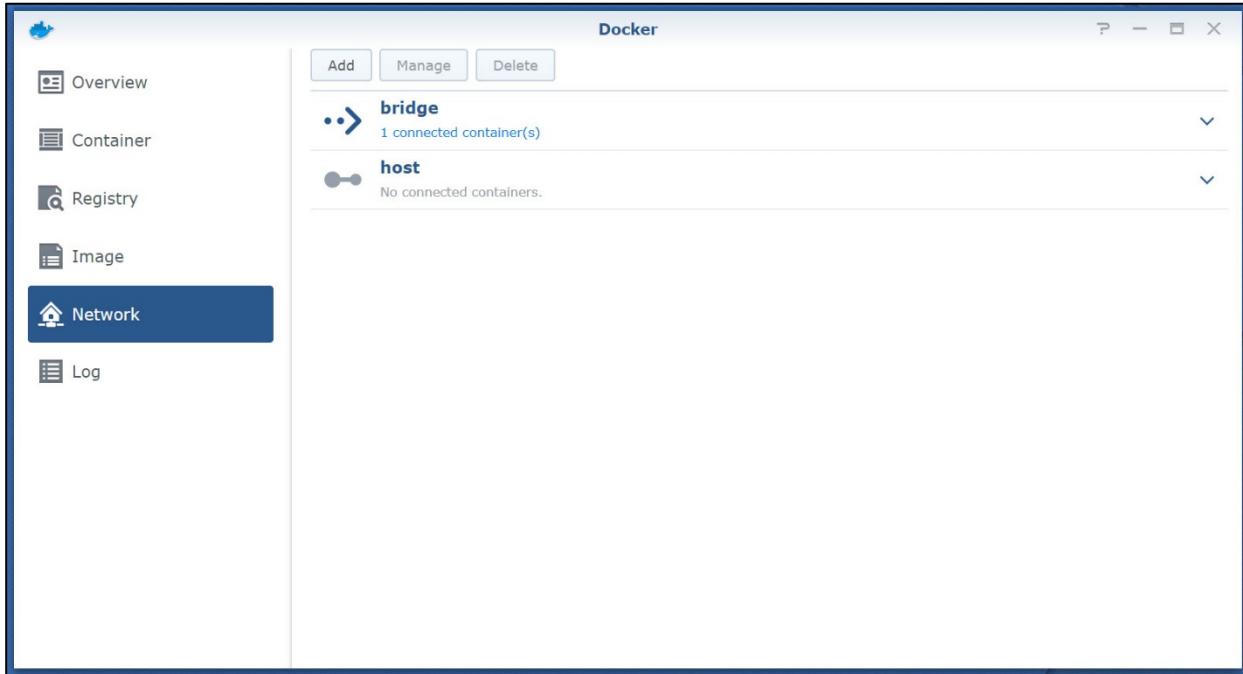
Once we have selected our settings (defaults for this walkthrough), we are presented with the 'Summary' page of the wizard. Be sure to leave the 'Run this container after the wizard is finished' setting checked and click 'Apply'.



After the wizard has completed, we will now see our container has been created and is currently running:



If we select the 'Network' tab, we will also see that we have one container connected to our Docker 'bridge' network:



With this, we have completed the installation of Docker on our Synology, and interactively created our first container. I hope this helps you to get started with Docker & containers.