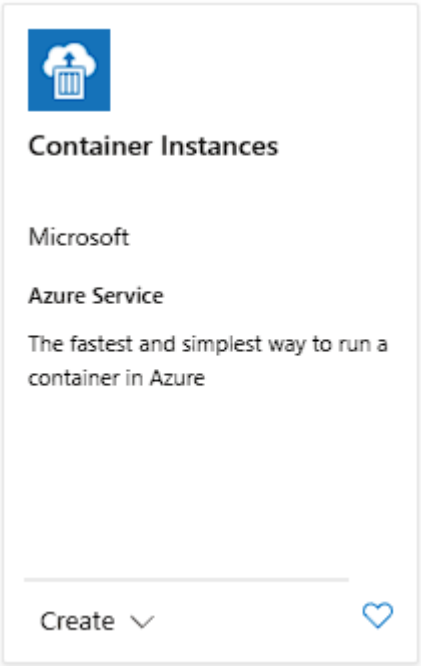
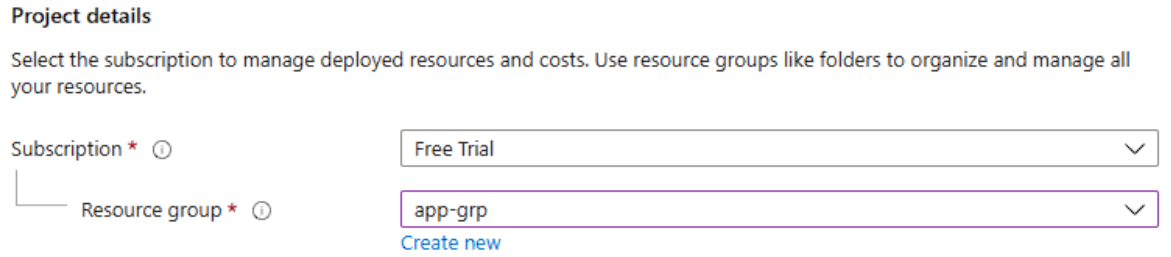
😊 LAB: AZURE CONTAINER INSTANCE

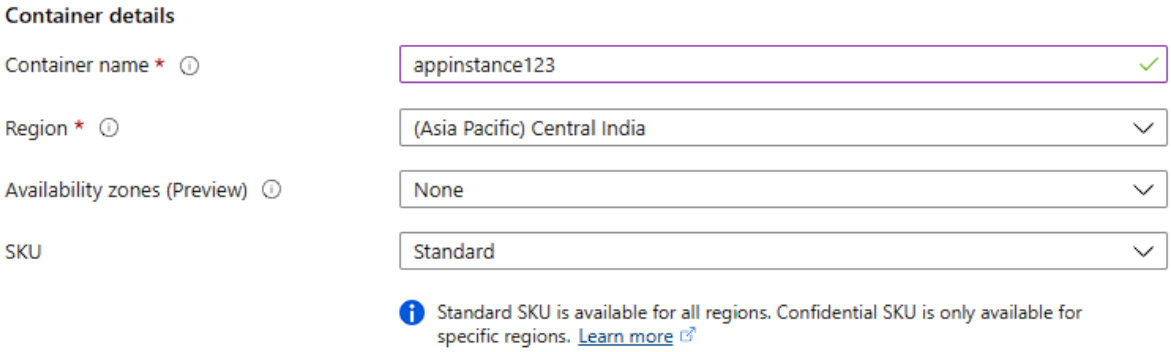
- I quickly want to go through an example on the usage of another service known as the **Azure Container Instance Service**.
- What have you seen so far? Again, as a revision. We have a Linux VM which is behaving as our Docker host. We can download images from Docker Hub and we can run those images as containers. We also use that same Azure VM, which is our Docker host, to containerized an application dot net application that could also run then as a container on the same VM. We then publish that image onto an Azure container registry. If you want to quickly see if your image works as a container. But let's say you've discarded the Azure VM, you don't have the Linux VM anymore because you don't have your image in the Azure Container Registry. If you want to test out this image to see whether it works as expected, what you would need to do is to spin up another Azure VM, a Linux VM. Again, install Docker, download the image and run it as a container.
- Instead of that, if you want to have a quick-fire way of running containers on the cloud on the Azure platform, we can make use of the **Azure Container instance service**. Normally when I want to test out an image that I have created, I normally go ahead and use the Azure Container instance service for quickly running containers. This is again kind of a platform as a service wherein the compute infrastructure required for running your containers is completely managed by the service.
- On the Portal go to create resources then search for **Container Instances.**



- Select this one and create your container instance.
- First you need to select your resource group.

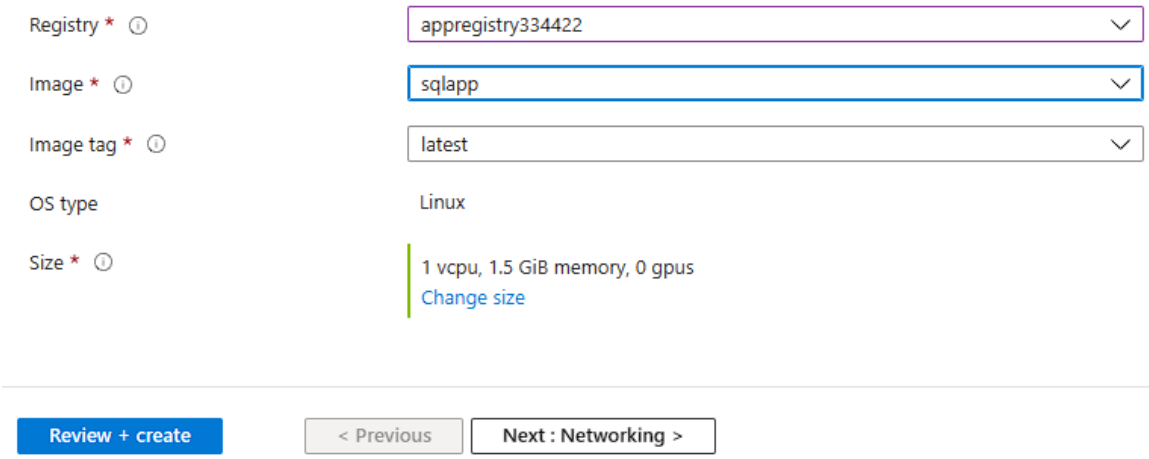


- Then give details about your container.

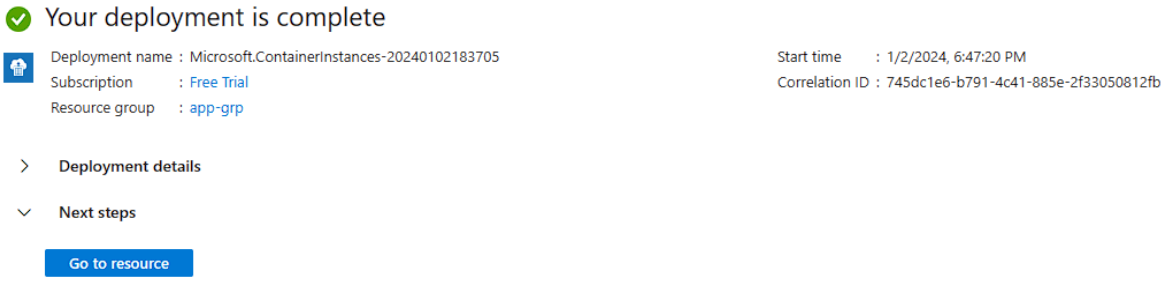


- Now in the image source select, Azure Container Registry.

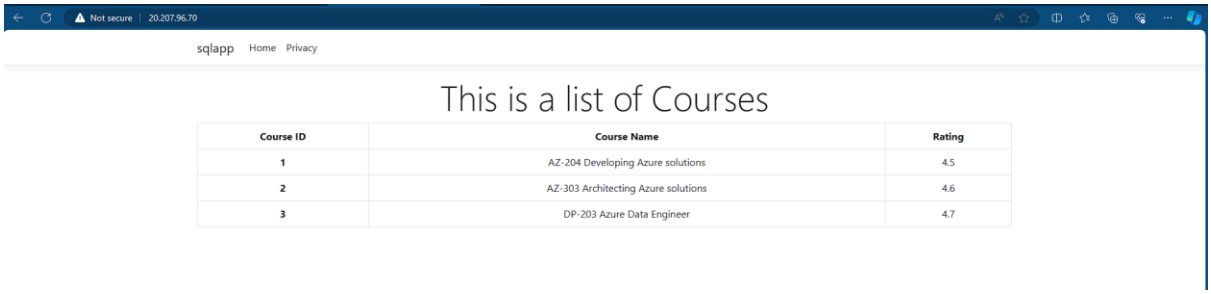
- And now you just need to select your registry, it will automatically pick the image and image tag.
- It uses the appropriate OS type and the size that you want to assign to the instance itself. See here for the underlying compute and infrastructure necessary currently. To run your container, you do not need to install Docker. Everything will be handled for you.



- Now just move to review page and create your container instance.
- Once your instance is deployed then go to resources.



- As you can see it is showing you the application.



- You can now see your application in place. Here the biggest difference is that it is running as a container using the Azure Container instance service.