Azure container registry

Creating a registry and deploying that container

Microsoft Azure

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Resources

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Name	Type	Last Viewed
celebal-internship-vaibhav	App Service	10 minutes ago
ASP-celebalinternshipvaibhavgroup-81d0	App Service plan	20 minutes ago
celebal-internship-vaibhav_group	Resource group	37 minutes ago
avy	Resource group	2 hours ago
linux1_group	Resource group	3 hours ago
Free Trial	Subscription	11 hours ago

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Tools

Container registries

Default Directory (vaibhavguptaavy1013gmail.onmicrosoft.com)

+ Create   ⚙ Manage view ⌄   ⟳ Refresh   ⤓ Export to CSV   ⟋ Open query | ⊘ Assign tags

Filter for any field...   Subscription equals **all**   Resource group equals **all** ✕   Location equals **all** ✕   ⊹ Add filter

Showing 0 to 0 of 0 records.

No grouping ⌄   ☰ List view ⌄

Name ↑↓	Type ↑↓	Resource group ↑↓	Location ↑↓	Subscription ↑↓

No container registries to display

Build, store, secure, scan, replicate, and manage container images and artifacts with a fully managed, geo-replicated instance of OCI distribution. Connect across environments, including Azure Kubernetes Service and Azure Red Hat OpenShift, and across Azure services like App Service, Machine Learning, and Batch.

Create container registry

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CREATING REGISTRY

Ⓡ Give feedback

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Home > Container registries >

Create container registry ...

ℹ Running final validation

Basics   Networking   Encryption   Tags   **Review + create**

Registry details

Basics

Registry name	AVY1013
Subscription	Free Trial
Resource Group	celebal-internship-vaibhav_group
Location	East US
Availability zones	Disabled
Pricing plan	Basic

Networking

Public network access	Yes

Encryption

Customer-Managed Key	Disabled
Identity	None
Key Vault	None
Encryption key	None
Version	None

Create   < Previous   Next >   Download a template for automation

Microsoft Azure

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Microsoft.ContainerRegistry | Overview
Deployment

🔍 Search

- 🛢 **Overview**
- 📥 Inputs
- ☰ Outputs
- 📄 Template

🗑 Delete ⊘ Cancel ⊟ Redeploy ⬇ Download ↻ Refresh

••• Deployment is in progress

Deployment name : Microsoft.ContainerRegistry
Subscription : Free Trial
Resource group : celebal-internship-vaibhav_group

Start time : 23/6/2024, 4:58:40 am
Correlation ID : c99756fb-7afd-4e4a-9aca-d4265dcc7937

∨ **Deployment details**

Resource	Type	Status	Operation details

There are no resources to display.

Give feedback

🗨 Tell us about your experience with deployment

Microsoft Defender for Cloud
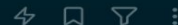Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >

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```
avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
clear

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker login avy1013.azurecr.io
Username: AVY1013
Password:
Login Succeeded

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker run -it helloworld
Unable to find image 'helloworld:latest' locally
docker: Error response from daemon: pull access denied for helloworld, repository does not exist or may require 'docker
login': denied: requested access to the resource is denied.
See 'docker run --help'.

    Insert suggested command:     docker login && docker run -it helloworld

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker run -it hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
478afc919002: Pull complete
Digest: sha256:94323f3e5e09a8b9515d74337010375a456c909543e1ff1538f5116d38ab3989
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
```

LOGGING IN REGISTRY

```
avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker ps -a

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker tag hello-world avy1013.azurecr.io/hello-world


avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker images
REPOSITORY                        TAG        IMAGE ID        CREATED          SIZE
avy1013/first                     v1.0       d7c71dac6c7e    3 weeks ago      230MB
localhost/avy1013/resume          v1.0       d7c71dac6c7e    3 weeks ago      230MB
gcr.io/k8s-minikube/kicbase       <none>     648c6affc8e4    6 weeks ago      1.17GB
gcr.io/k8s-minikube/kicbase       v0.0.44    5a6e59a9bdc0    6 weeks ago      1.26GB
avy1013.azurecr.io/hello-world    latest     ee301c921b8a    13 months ago    9.14kB
hello-world                       latest     ee301c921b8a    13 months ago    9.14kB


avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker push avy1013.azurecr.io/hello-world
Using default tag: latest
The push refers to repository [avy1013.azurecr.io/hello-world]
12660636fe55: Pushed
latest: digest: sha256:a8ea96bb64d60208d6a56712042d1cf58aa4a7d3751b897b9320b0813c81cbb4 size: 524

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker rm hello-world
Error response from daemon: No such container: hello-world

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker pull avy1013.azurecr.io/hello-world
Using default tag: latest
latest: Pulling from hello-world

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
```

Pushing the image on registry(ACR)

```
avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker rm hello-world

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker pull avy1013.azurecr.io/hello-world
Using default tag: latest
latest: Pulling from hello-world
Digest: sha256:a8ea96bb64d60208d6a56712042d1cf58aa4a7d3751b897b9320b0813c81cbb4
Status: Downloaded newer image for avy1013.azurecr.io/hello-world:latest
avy1013.azurecr.io/hello-world:latest

What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview avy1013.azurecr.io/hello-world

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker images
REPOSITORY                      TAG        IMAGE ID        CREATED          SIZE
gcr.io/k8s-minikube/kicbase     <none>     648c6affc8e4    6 weeks ago      1.17GB
gcr.io/k8s-minikube/kicbase     v0.0.44    5a6e59a9bdc0    6 weeks ago      1.26GB
avy1013.azurecr.io/hello-world  latest     ee301c921b8a    13 months ago    9.14kB

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
docker run -it ee301c

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (arm64v8)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it

avy@Vaibhavs-MacBook-Pro celebel-internship-devops %
```

Successfully able to pull image and run it