Setup CluedIn Docker Desktop in Ubuntu in Azure

Monday, 10 January 2022 9:41 AM

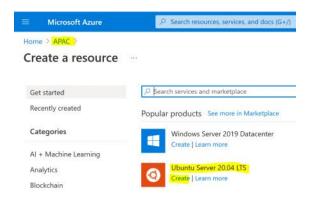
10 Jan 2022 uploaded to https://github.com/CluedIn-io/ImpTools/tree/master/docker/ubuntu

Objective

To have docker environment that is suitable for CluedIn training.

Method

Setup Azure Ubuntu VM

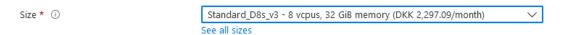


Create a virtual machine

Project details Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all vour resources. Subscription * ① CluedIn Resource group * ① APAC Create new Instance details Virtual machine name * ① UbuntuCluedInAPACDemo2 Region * ① (Asia Pacific) Australia East Availability options ① No infrastructure redundancy required Security type ① Standard Image * ① O Ubuntu Server 20.04 LTS - Gen1 See all images | Configure VM generation Azure Spot instance ① Size * ① Standard_F16s_v2 - 16 vcpus, 32 GiB memory (DKK 4,079.63/month)

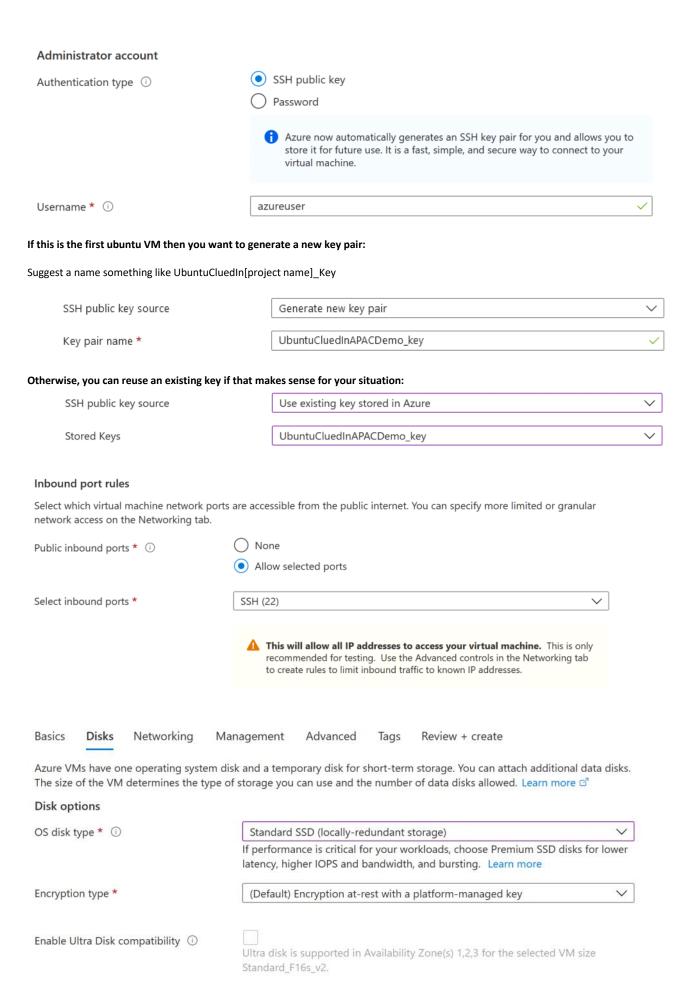
note: F16s_v2 is prefered, however, it is also possible to use D8s_v3 with the cavet that it is too slow as soon as you try to do anything serious - the 32 GiB memory is critical.

note: F16s_v2 is around \$625 USD per month - D8s_v3 is around \$350 USD per month as of Jan 2022



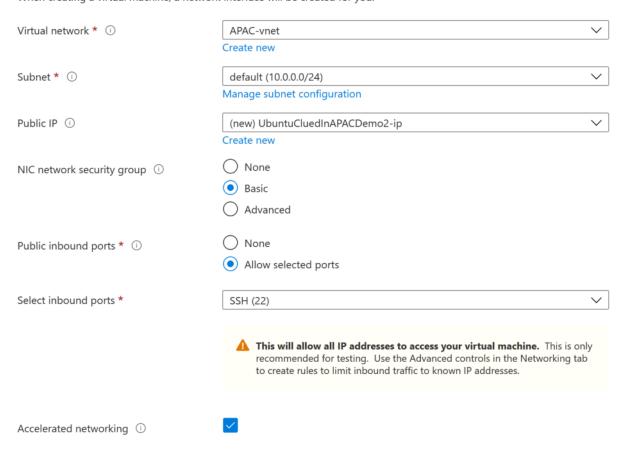
Administrator account

Authentication type ① SSH public key



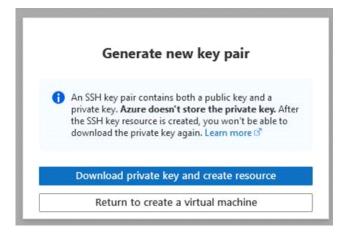
Network interface

When creating a virtual machine, a network interface will be created for you.



Rest are defaults then create it

When generating a new key pair, ensure you download it and save it for use later



Your deployment is complete

(9)

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f... Start time: 11/22/2021, 10:14:53 PM

Subscription: CluedIn

Correlation ID: 31daf7c7-6e98-4950-bbf3-f0eab75d05f9

Resource group: APAC

∨ Deployment details (Download)

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

Go to resource

Create another VM

Setup Docker and Dependancies

Login as azureuser

(see Example putty settings - showing ssh tunnels)

The setups below will download helpful setup script from Implementation Tools github repo and execute it

The helpful setup script is here for you to examine prior to executing

azureuser@Ubuntu:~\$

curl -0 https://raw.githubusercontent.com/CluedIn-io/ImpTools/master/docker/ubuntu/docker-bootstrap.sh
chmod a+x docker-bootstrap.sh
sudo ./docker-bootstrap.sh

run script again to check all installed

azureuser@Ubuntu:~\$ sudo ./docker-bootstrap.sh net-tools already installed

docker already installed

Docker version 20.10.11, build dea9396

docker-compose already installed
docker-compose version 1.29.2, build 5becea4c

powershell already installed
PowerShell 7.1.5
finished!!!

ensure any dependancies are installed from apt
sudo apt --fix-broken install

Sample Install Cluedin Session

follow https://cluedin-io.github.io/Home/

[7/23] % CluedIn Web Api : 127.0.0.1.nip.io:9008 [8/23] % CluedIn Clean : 127.0.0.1.nip.io:9009 [9/23] % CluedIn Annotation : 127.0.0.1.nip.io:9010 [10/23] % CluedIn Datasource : 127.0.0.1.nip.io:9011

```
[13/23] w Neo4j Http : localhost:7474
        [14/23] ✓ » Neo4j Bolt : localhost:7687
[15/23] ✓ » Elasticsearch Data : localhost:9200
        [16/23] w Elasticsearch Http: localhost:9300
        [17/23] w RabbitMQ Data : localhost:5672
        [23/23] ☑ » OpenRefine : localhost:3333
      Authentication
        [1/1] w Docker Registry : <a href="https://index.docker.io/v1/">https://index.docker.io/v1/</a>
      Environment
        [1/2] ☑ » Docker - Memory : 31.36gb available
        [2/2] w Docker - CPU : 16 cpus available
.\cluedin.ps1 up latest
PS /home/azureuser/Home> ./cluedin.ps1 status
      | CluedIn - Status Check |
      Can Connect
        [1/1] ✓ » Is Up : <a href="http://127.0.0.1.nip.io:9000/status">http://127.0.0.1.nip.io:9000/status</a>
      DataShards
        [1/6] ✓ » Blob

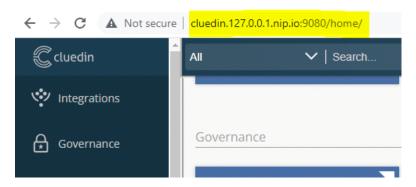
[2/6] ✓ » Configuration

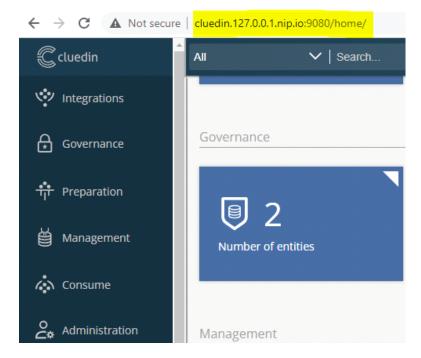
[3/6] ✓ » Data

[4/6] ✓ » Search
        [5/6]  » Graph
[6/6]  » Metrics
      Components
[1/6] w Api
        [2/6] w Authentication
        [3/6] \rightarrow » Crawling
        [4/6] w Scheduling
[5/6] w ServiceBus
        [6/6] ~ » System
.\cluedin.ps1 stop latest .\cluedin.ps1 start latest
.\cluedin.ps1 up latest
# poll until all up
./cluedin.ps1 status
# example org to create
./cluedin.ps1 createorg -name cluedin -pass AWXqwg12!
| CluedIn - Create Organization |
ApplicationSubDomain
                              : cluedin
CustomerId
ExternalAuthenticationId
                              : cluedin.com
EmailDomainName
                                f49beb87-420b-4091-9e1f-9973649e50d0
IsEmailDomainSignupActivated : False
                            : 11/22/2021 12:50:52
: cluedin
LastLoginTime
Name
                              : 6749e7a5-da15-47e2-918b-6a385e288865
Plan
                              : 12/22/2021 12:50:52
PlanEndDate
PlanIsActive
                              : 11/22/2021 12:50:52
PlanStartDate
RefreshTokenLifeTime
SubscriptionId
Email: admin@cluedin.com
Password: AWXqwg12!
```

Test it with ssh tunnels

http://cluedin.127.0.0.1.nip.io:9080/





Example putty settings - showing ssh tunnels

