AZURE LAB 10 (CLOUD init)

I just want to go through another way in which you can actually install packages on a Linux base machine. You have this concept known as cloud in it, which is a standard that can be used for installing packages on your Linux based machines.

I have a YAML file. So YAML is again a markup language in which you can specify your configuration for cloud in it.

Cloud in it follows a very particular structure on how you can install packages. Here I'm saying to please upgrade the package index or market as true. And what are the packages that I want to install? I want to install the index web package.

Below is the YAML file which you are going to use to install web package. You can also get the file from GitHub, if you are facing difficulties with it.

(#cloud-config

package_upgrade: true

packages:

- nginx)

😁 TO BEGIN WITH THE LAB:

1. Log in to your Azure Portal.
2. There go to create resources and create Linux Virtual Machine.
3. While creating your machine keep in mind to select HTTP (80) as inbound port, so that outside traffic is allowed to your virtual machine.

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 your resources.

Subscription * : Free Trial

Resource group * : app-grp

Create new

Instance details

Virtual machine name * : Linuxvm

Region * : (Asia Pacific) Central India

Availability options : No infrastructure redundancy required

Security type : Standard

Image * : Ubuntu Server 20.04 LTS - x64 Gen2 (free services eligible)

See all images | Configure VM generation

This image is compatible with additional security features. Click here to swap to the Trusted launch security type.

VM architecture : Arm64 / x64

Run with Azure Spot discount : ☐

Size * : Standard_B1s - 1 vcpu, 1 GiB memory (₹642.10/month) (free services eligible)

See all sizes

Enable Hibernation (preview) : ☐

To enable Hibernation, you must register your subscription. Learn more

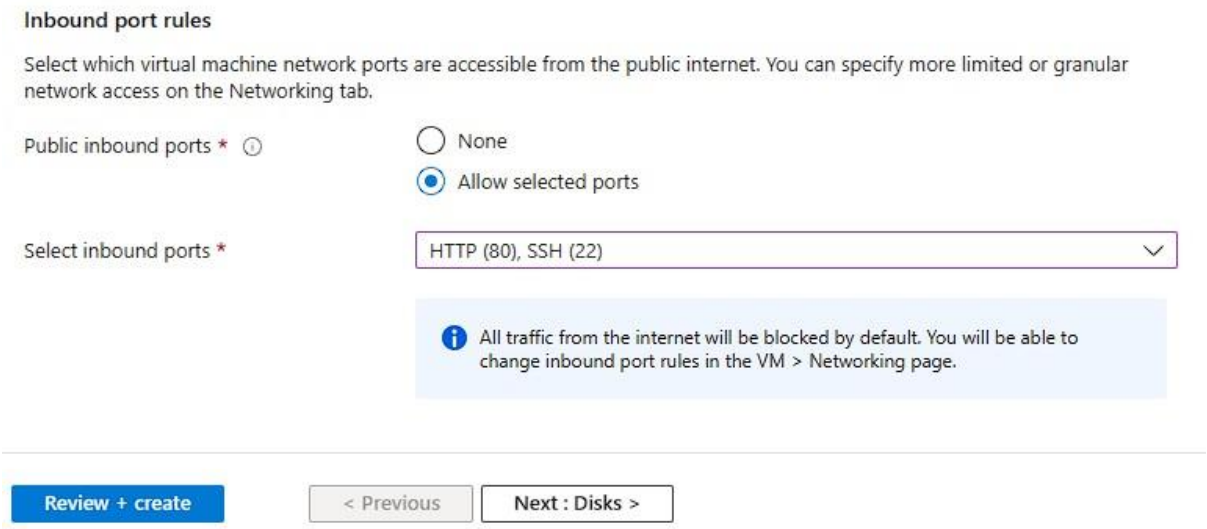
Administrator account

Authentication type : SSH public key / Password

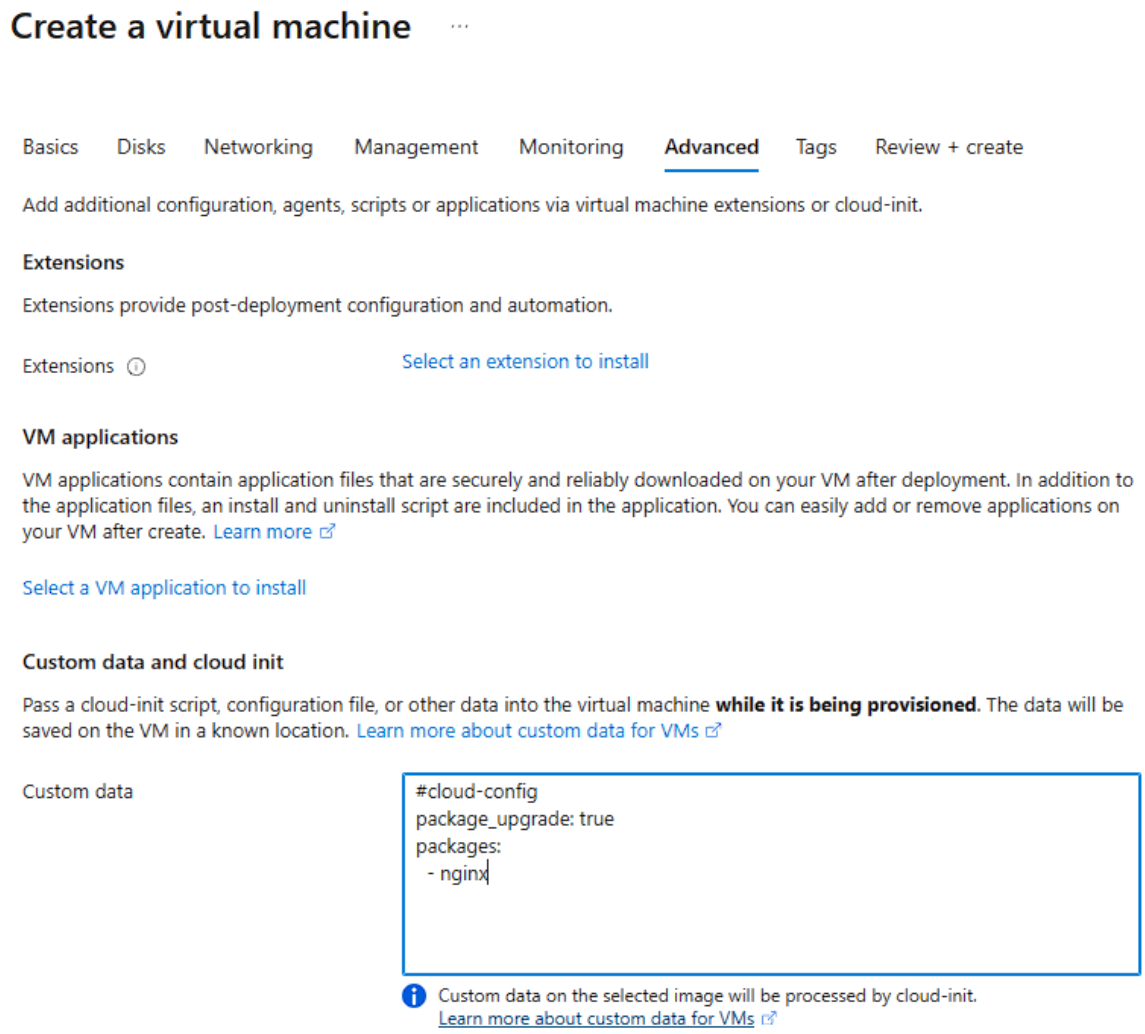
Username * : demousr

Password * : ••••••••••••

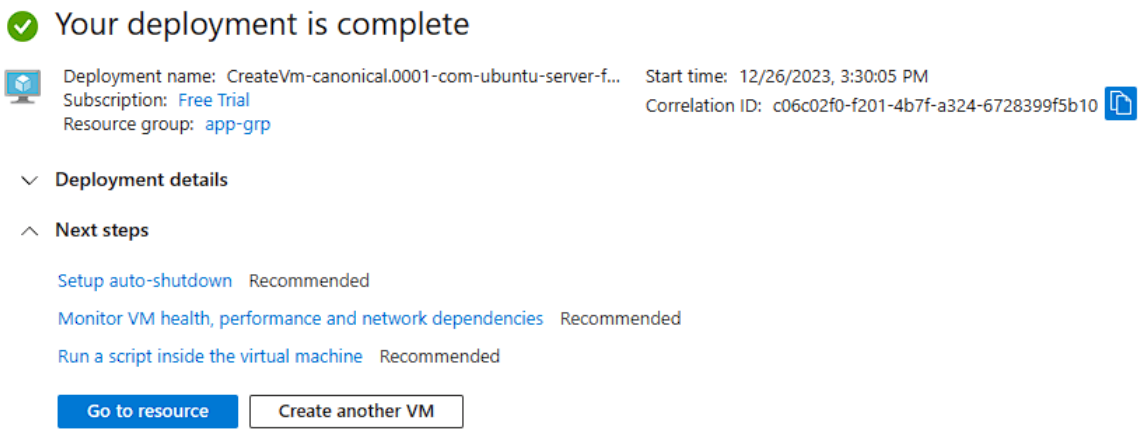
Confirm password * : ••••••••••••



4. Once these steps are complete, leave everything to default and jump to Advanced page.
5. In the advanced page you cans see an option as Custom data and cloud init.
6. There you need to paste your code, and it will install a web server onto your virtual machine.



7. Now go to review and create your virtual machine.
8. Wait till it get deployed.



9. Once the deployment is complete go to resource page. There you need to copy public IP address and paste it in a new tab.
10. Hence, you can see that web server is successfully installed.


Not secure
20.219.199.24
Maps
Gmail
YouTube
Translate
News
Domain Name Sear...
Google
DuckDuckGo — Pri...
Search the Web wit...
Riot Account Mana...
Sejda helps with yo...
e-Filing Home Page...
Stack Overflow - W...
TechCrunch – Startu...
CodePen: Online C...
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.