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LEARNING azure

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#azure

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About

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Chapter 1: Getting started with azure

Remarks

Azure is the brand name under which Microsoft is offering its cloud computing services. Some of the main services offered within the Microsoft Azure platform are:

- Infrastructure as a Service (IaaS): Linux and Windows Azure Virtual Machines
- Platform as a Service (PaaS): App Service provides a complete platform for app (Web and mobile) development,
- Cloud Storage: SQL and noSQL storage services
- Software as a Service (SaaS): scheduler, backup, analytics, Machine Learning, security and authentication

Here's an infographic to view the main Azure offerings at-a-glance: https://azure.microsoft.com/en-us/resources/infographics/azure/. And here you can browse through and filter all Azure products by category.

Examples

Azure N-series(GPU) : install CUDA, cudnn, Tensorflow on UBUNTU 16.04 LTS

After spending more than 5 hours, i found this easy solution:

-To verify that the system has a CUDA-capable GPU, run the following command:

```
lspci | grep -i NVIDIA
```

You will see output similar to the following example (showing an NVIDIA Tesla K80/M60 card):

```
af8a:00:00.0 3D controller: NVIDIA Corporation GK210GL [Tesla K80] (rev a1)
```

-Disabling the nouveau driver:

```
sudo -i
rmmod nouveau
```

-After a *reboot*: `sudo reboot`, verify the driver is installed properly by issuing:

```
lsmod | grep -i nvidia
```

-Next, download the **CUDA** package from Nvidia, ...

```
wget https://developer.nvidia.com/compute/cuda/8.0/prod/local_installers/cuda-repo-ubuntu1604-8-0-local_8.0.44-1_amd64-deb
```