



FREE eBook

LEARNING

azure

Free unaffiliated eBook created from
Stack Overflow contributors.

#azure

Table of Contents

About.....	1
Chapter 1: Getting started with azure.....	2
Remarks.....	2
Examples.....	2
Azure N-series(GPU) : install CUDA, cudnn, Tensorflow on UBUNTU 16.04 LTS.....	2
Chapter 2: Azure DocumentDB.....	4
Examples.....	4
Connect to an account (.NET).....	4
Create a database (.NET).....	4
Create a collection (.NET).....	5
Create JSON documents (.NET).....	6
Query for documents (.NET).....	7
With a LINQ query.....	7
With a SQL query.....	7
Pagination on a LINQ query.....	7
Update a document (.NET).....	9
Delete a document (.NET).....	9
Delete a database (.NET).....	9
Chapter 3: Azure Media Service Account.....	10
Remarks.....	10
Examples.....	10
Creating an asset in media service account.....	10
Retrieving the items from the Asset.....	10
Chapter 4: Azure Powershell.....	12
Examples.....	12
Classic mode vs ARM mode.....	12
Login to Azure.....	12
Selecting subscription.....	13
Get the Current Azure PowerShell Version.....	13
Manipulate Azure Assets.....	14

Managing Traffic Managers.....	14
Prerequisites.....	14
Get TrafficManager profile.....	14
Change endpoints.....	14
Keep in mind.....	15
Chapter 5: Azure Resource Manager Templates.....	16
Syntax.....	16
Examples.....	16
Create extension resource.....	16
Chapter 6: Azure Service Fabric.....	18
Remarks.....	18
Examples.....	18
Reliable actors.....	18
Chapter 7: Azure Storage Options.....	20
Examples.....	20
Renaming a blob file in Azure Blob Storage.....	20
Import/Export Azure Excel file to/from Azure SQL Server in ASP.NET.....	20
Break the locked lease of blob storage in Microsoft Azure.....	24
Chapter 8: Azure Storage Options.....	25
Examples.....	25
Connecting to an Azure Storage Queue.....	25
Chapter 9: Azure Virtual Machines.....	27
Examples.....	27
Create Azure VM by classic ASM API.....	27
Chapter 10: Azure-Automation.....	28
Parameters.....	28
Remarks.....	28
Examples.....	28
Delete Blobs in Blob storage older than a number of days.....	28
Index maintenance.....	32
Credits.....	33

About

You can share this PDF with anyone you feel could benefit from it, downloaded the latest version from: [azure](#)

It is an unofficial and free azure ebook created for educational purposes. All the content is extracted from [Stack Overflow Documentation](#), which is written by many hardworking individuals at Stack Overflow. It is neither affiliated with Stack Overflow nor official azure.

The content is released under Creative Commons BY-SA, and the list of contributors to each chapter are provided in the credits section at the end of this book. Images may be copyright of their respective owners unless otherwise specified. All trademarks and registered trademarks are the property of their respective company owners.

Use the content presented in this book at your own risk; it is not guaranteed to be correct nor accurate, please send your feedback and corrections to info@zzzprojects.com

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
```

[Click here to download full PDF material](#)