

What Is Cloud?

Just move your data to Cloud



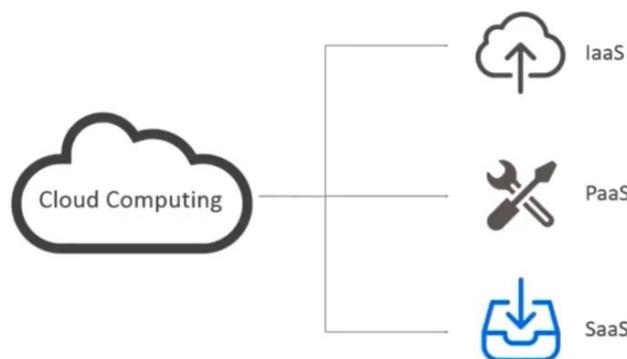
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and to manage them properly
to make it even more simpler.

e! Check Out Edureka's AWS Certification Training
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Service Models : SaaS?

Software as a Service



- Cloud Provider leases applications or softwares which are owned by them to its client
- Example: salesforce.com provides the CRM(Customer Relation Manager) on a cloud infrastructure to its client and charges them for it, but the software is owned by the salesforce company only

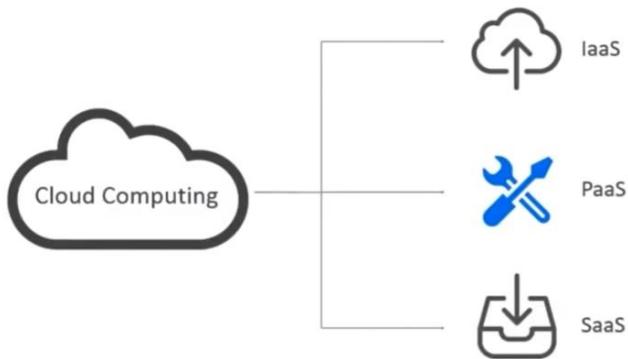
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now this model is known
as software as a service

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Service Models : PaaS?



Platform as a Service

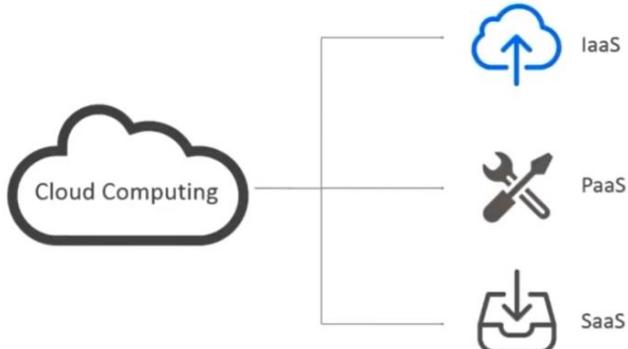
- No control over the underlying architecture including OS, storage, servers etc.
- The Cloud Provider gives the ability to the customer to deploy customer created apps using programming languages, tools etc that are provided by the Cloud Provider.

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We have our Google app engine.



Service Models : IaaS?



Infrastructure as a Service

- Provides virtualized computing resources over the Internet
- No worries about the underlying physical machine.
- Abstract the user from the physical machine

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Microsoft Azure

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Cloud Providers



Google Cloud Platform



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and now they rent the services

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AWS

A screenshot of the AWS Management Console. The top navigation bar shows tabs like Network Authentication, My Webinars, YouTube, AWS Free Tier, EC2 Management, Home - My Project, and Sign in to your account. Below the navigation bar, the main menu is displayed under the "Services" tab. The menu is organized into several categories: History (Console Home, CloudWatch, Billing), Compute (EC2, Lightsail, Elastic Container Service, Lambda, Batch, Elastic Beanstalk), Storage (S3, EFS, Glacier, Storage Gateway), Database (RDS, DynamoDB), Developer Tools (CodeStar, CodeCommit, CodeBuild, CodeDeploy, CodePipeline), Management Tools (CloudWatch, AWS Auto Scaling, CloudFormation, CloudTrail, Config, OpsWorks, Service Catalog, Systems Manager), Machine Learning (Amazon SageMaker, Amazon Comprehend, AWS DeepLens, Amazon Lex, Machine Learning, Amazon Polly, Rekognition, Amazon Transcribe, Amazon Translate), Analytics (Athena, EMR, CloudSearch, Elasticsearch Service, Kinesis, QuickSight), Mobile Services (Mobile Hub, AWS AppSync, Device Farm, Mobile Analytics), AR & VR (Amazon Sumerian), Application Integration (Step Functions, Amazon MQ, Simple Notification Service, Simple Queue Service, SWF), and Customer Engagement (Feedback, English (US)). A search bar at the top says "Find a service by name or feature (example: EC2, S3 or VM, storage)". A banner at the bottom of the page reads "what the different services that a device has to offer to you." and includes links for Feedback, English (US), Privacy Policy, Terms, and a "SUBSCRIBE" button.

The screenshot shows the AWS EC2 Management console dashboard for the Asia Pacific (Mumbai) region. On the left, a sidebar lists various EC2 management options like Instances, AMIs, and Security Groups. The main panel displays resource counts: 2 Running Instances, 0 Dedicated Hosts, 2 Volumes, 2 Key Pairs, and 0 Placement Groups. It also shows 0 Elastic IPs, 0 Snapshots, 0 Load Balancers, and 5 Security Groups. A central box encourages viewing EC2 Videos from AWS re:Invent 2017. To the right, sections for Account Attributes (Supported Platforms: VPC; Default VPC: vpc-1d5fc975; Resource ID length management) and Additional Information (Getting Started Guide, Documentation, All EC2 Resources, Forums, Pricing, Contact Us) are visible. A watermark in the center reads "the security groups that are there the keep is".

The screenshot shows the 'Choose AMI' step of the AWS EC2 Launch Instance Wizard. The top navigation bar indicates the wizard is at Step 1: Choose an Amazon Machine Image (AMI). Below, a list of available AMIs is shown:

- Amazon Linux** - ami-00000000 (Free tier eligible)
Amazon Linux 2 LTS Candidate 2 provides an updated version of the Linux Kernel (4.14) tuned for EC2, systemd support, a newer compiler (gcc 7.3), an updated C runtime (glibc 2.26), newer tooling (binutils 2.29.1), and the latest software packages through the extras mechanism.
- SUSE Linux Enterprise Server 12 SP3 (HVM)** - ami-455b062a (Free tier eligible)
SUSE Linux Enterprise Server 12 Service Pack 3 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.
- Microsoft Windows Server 2016 Base** - ami-cabde6a5 (Free tier eligible)
Microsoft Windows 2016 Datacenter edition. [English]
- Ubuntu Server 16.04 LTS (HVM)** - ami-0189d76e (Free tier eligible)
Ubuntu Server 16.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>)

On the right, a sidebar shows the wizard steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, 7. Review. Buttons for 'Select' and 'Cancel and Exit' are present. A watermark in the bottom center reads "since I'm using a Windows."



Getting Started with Azure

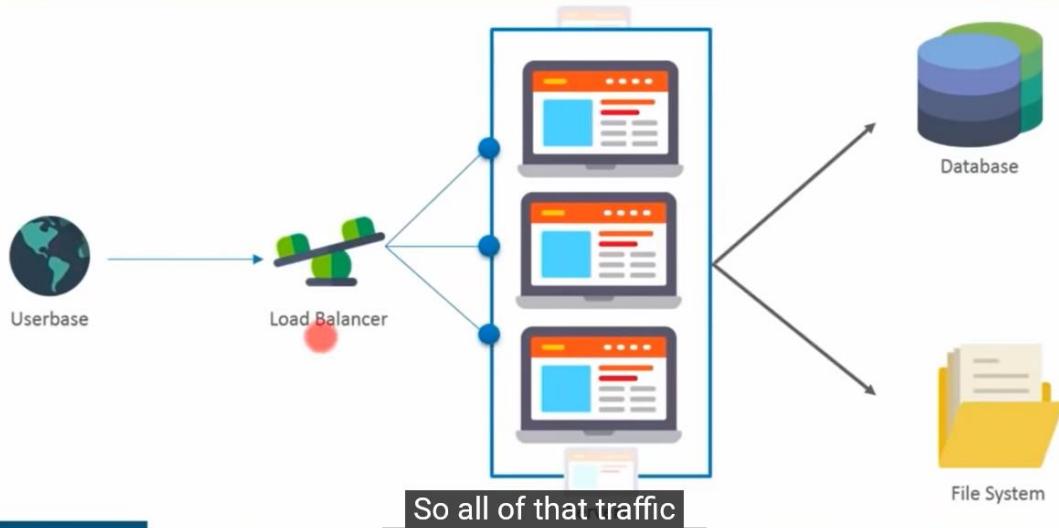
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but if you see the growth
with that has been happening

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Use Case Implementation



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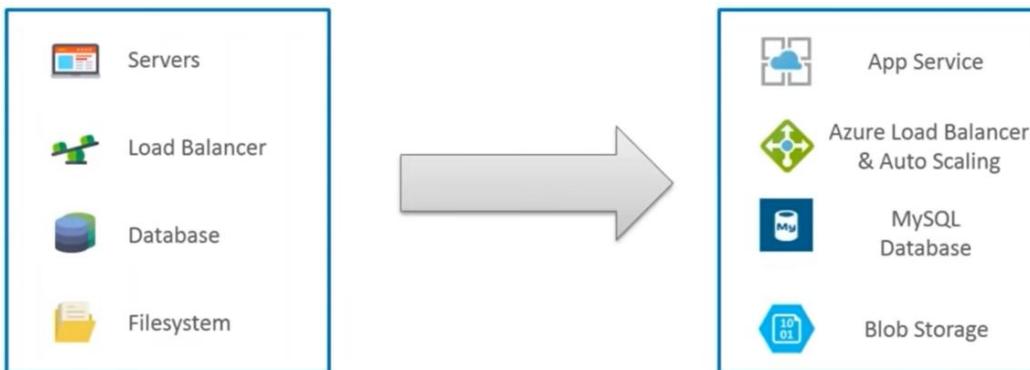
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Implementing in Azure

These are the following components that are used in this implementation

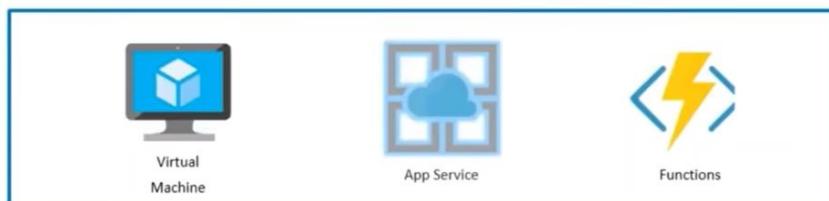


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that you're trying
to implement is actually

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Compute Domain



App Service is an automated version of Virtual Machine. You simply upload your code, and it deploys the application for you.

if you talked about
in a very broad sense.

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<https://www.youtube.com/watch?v=3gnLwSl4d9E>

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Compute Domain



Virtual
Machine



App Service



Functions

Azure Virtual Machine is just like a new machine with a freshly installed operating system.

and you can do anything
with that computer

<https://www.youtube.com/watch?v=3gnLwSI4d9E>

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Compute Domain



Virtual
Machine



App Service



Functions

Functions in Azure have server-less architectures and are meant to execute background tasks.

And now these many tasks
have to be done

<https://www.youtube.com/watch?v=3gnLwSI4d9E>

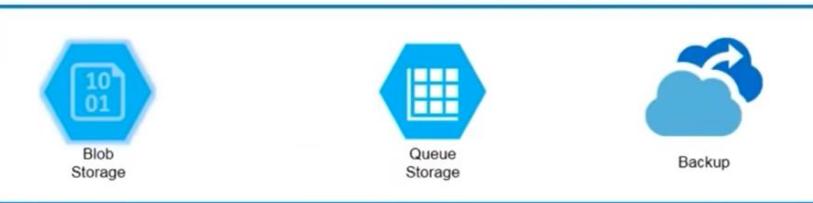
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Micro

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Storage Domain



Blob Storage is an all-in-one storage which can store any type of file.

<https://www.youtube.com/watch?v=3gnLwSI4d9E>

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in the storage domain.

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Storage Domain



Queue storage is used for queueing tasks which can read sequentially and can thus be used for synchronization.

<https://www.youtube.com/watch?v=3gnLwSI4d9E>

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basically a queuing service

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Storage Domain



Blob Storage



Queue Storage



Backup

With the backup service, you can store all your infrequently accessed data at a minimum price.

But what is the point of keeping
them on my life hard drive

<https://www.youtube.com/watch?v=3gnLwSI4d9E>

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Auto Scaling and Load Balancing



Auto Scale and Load Balancer

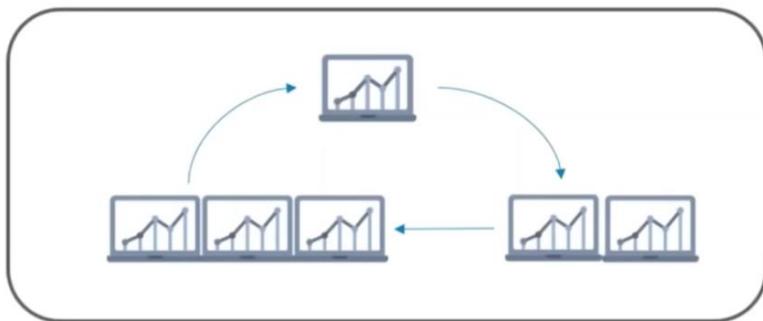
Auto scale is used to automatically scale up and scale down according to needs, load balancer on the other hand is used to equally distribute the incoming data to the number of servers running currently.

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that you're using
according to the traffic

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Auto Scaling



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right and the usage increases
it goes on to become two servers

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Auto Scaling and Load Balancer



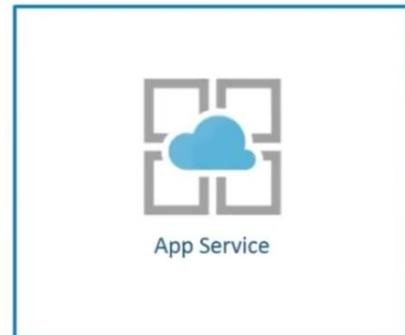
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of Aura scaling process

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How to launch these Services in Azure?



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We'll see how we
can launch an app service

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How to launch these Services in Azure?

The screenshot shows the Microsoft Azure portal's dashboard. On the left, a sidebar lists services like Dashboard, All resources, Resource groups, App Services, SQL databases, etc. The main area displays four resource cards: "ubuntu-compute" (Deleted), "edureka SQL DATABASE" (Not found), "azure-ubuntu" (Deleted), and "edureka1 AZURE DATABASE FOR MYSQL" (Not found). To the right, a sidebar titled "Quickstart tutorials" lists options such as Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, SQL Database, and Marketplace, each with a brief description and a "View tutorial" link.

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Micros

Okay, let me show you
the user interface

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The screenshot shows the Microsoft Azure dashboard. On the left, a sidebar lists services: New, Dashboard, All resources, Resource groups (selected), App Services, SQL databases, SQL data warehouses, Azure Database for MySQL, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, and Azure Active Directory. The main area displays 'Quickstart tutorials' for Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database. A world map titled 'Azure Health MY RESOURCES' shows resource locations. A central banner says 'You have all the services listed here on the left side.' with a 'Marketplace' link.

How to launch these Services in Azure?

The screenshot shows the 'App Services' blade. The left sidebar has a 'Subscriptions' section with 'All 2 selected'. The main area shows a table with columns: NAME, STATUS, APP TYPE, APP SERVICE PLAN, and LOCATION. A message says 'No App Services to display'. Below it, a note says 'Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python. Learn more about App Service'. A prominent blue button at the bottom right is labeled 'Create App Services'.

You will reach this place click on create app services

How to launch these Services in Azure?

The screenshot shows the Azure portal interface under the 'Web + Mobile' category. On the left, there's a sidebar with various service icons. In the main area, there's a large card for 'Web App + SQL' with a 'Create' button. Below it, there are four service cards: 'Web Apps' (highlighted with a red box), 'Web App + SQL', 'App Service', and 'WordPress on PREVIEW'. To the right of these cards are logos for Sitecore, Varnish Plus, and Varnish Caching Engine 4. A callout box points from the text 'and then you'll click on web app and that is it.' to the 'Web Apps' card.

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and then you'll click
on web app and that is it.

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How to launch these Services in Azure?

The screenshot shows the Azure portal interface for the 'Web App' service. It includes a brief description, source control options (TFS, GitHub, BitBucket), and a list of benefits. Below this is a preview of the Azure portal's user interface showing a 'Create' button and a dashboard view. A callout box points from the text 'And over here as you can see after this,' to the 'Create' button.

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And over here
as you can see after this.

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The screenshot shows the Microsoft Azure dashboard with a deployment progress message: "... Deployment in progress... 2:34 PM". The left sidebar lists various service categories like App Services, SQL databases, and Storage accounts. The main area displays "Quickstart tutorials" for Windows Virtual Machines, Linux Virtual Machines, App Service, Functions, and SQL Database.

Deployment in progress... 2:34 PM

Quickstart tutorials

- Windows Virtual Machines
- Linux Virtual Machines
- App Service
- Functions
- SQL Database

Okay, so all right why my web app is deploying.

How to launch these Services in Azure?

A diagram showing a blue hexagon containing a white square with the numbers "10" and "01". Below it is the text "Blob Storage".

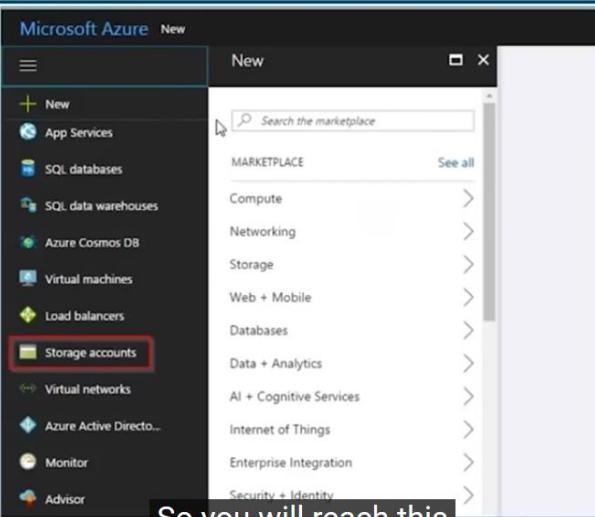
Blob Storage

So like I said blob storage just like a file system.

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How to launch these Services in Azure?

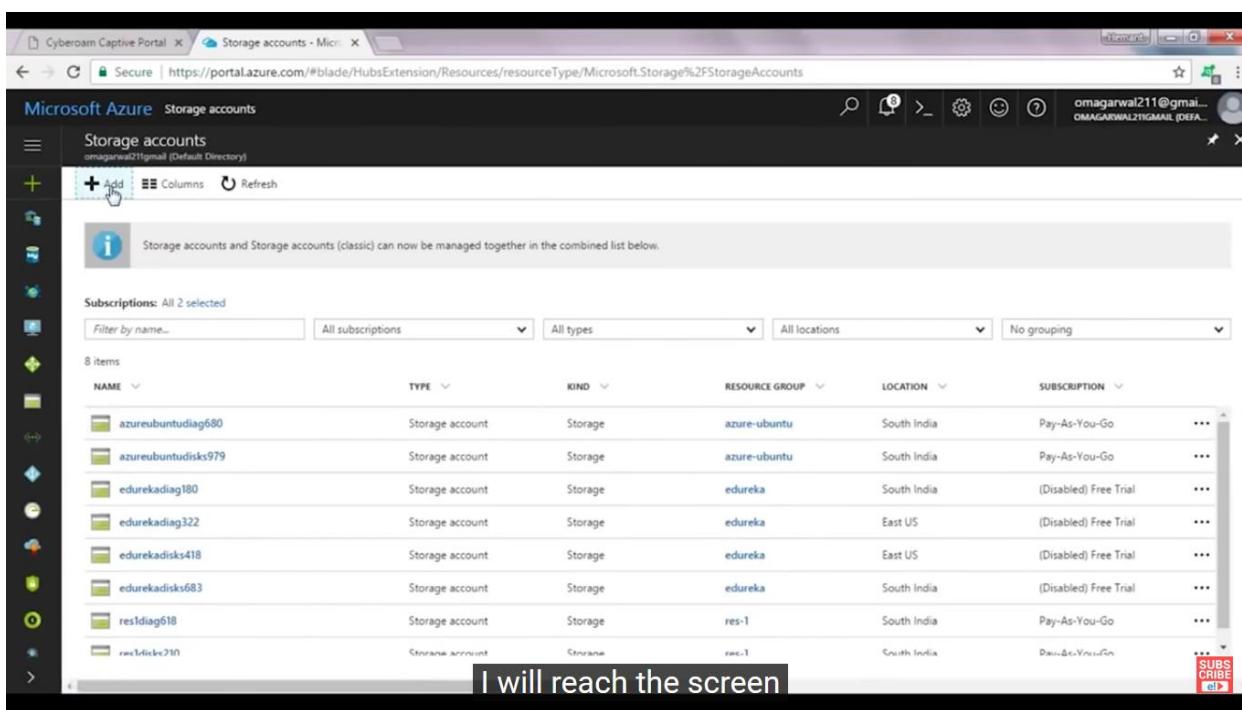


The screenshot shows the Microsoft Azure 'New' blade. On the left, there's a sidebar with options like 'New', 'App Services', 'SQL databases', etc., and 'Storage accounts' is highlighted with a red box. On the right, there's a search bar 'Search the marketplace' and a list of service categories: Compute, Networking, Storage, Web + Mobile, Databases, Data + Analytics, AI + Cognitive Services, Internet of Things, Enterprise Integration, and Security + Identity. A 'See all' link is at the top right of the list.

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So you will reach this
is the dashboard you

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The screenshot shows the Microsoft Azure 'Storage accounts' blade. At the top, it says 'Storage accounts' and 'omagarwal21@gmail.com (Default Directory)'. Below that is a toolbar with '+ Add', 'Columns', and 'Refresh' buttons. The main area shows a message: 'Storage accounts and Storage accounts (classic) can now be managed together in the combined list below.' Under 'Subscriptions: All 2 selected', there are filters for 'Filter by name...', 'All subscriptions', 'All types', 'All locations', and 'No grouping'. A table lists 8 items:

NAME	TYPE	KIND	RESOURCE GROUP	LOCATION	SUBSCRIPTION
azureubuntudiag680	Storage account	Storage	azure-ubuntu	South India	Pay-As-You-Go
azureubuntudisks979	Storage account	Storage	azure-ubuntu	South India	Pay-As-You-Go
edurekadiag180	Storage account	Storage	edureka	South India	(Disabled) Free Trial
edurekadiag322	Storage account	Storage	edureka	East US	(Disabled) Free Trial
edurekadisks418	Storage account	Storage	edureka	East US	(Disabled) Free Trial
edurekadisks683	Storage account	Storage	edureka	South India	(Disabled) Free Trial
resldiag618	Storage account	Storage	res-1	South India	Pay-As-You-Go
resldiag21n	Storage account	Storage	res-1	South India	Pay-As-You-Go

I will reach the screen

The screenshot shows the Microsoft Azure Storage accounts interface. On the left, there's a sidebar titled 'Storage accounts' with a message about managing Storage accounts (classic) together. Below it is a list of 'Subscriptions: All 2 selected' with items like 'azureubuntudiag680', 'azureubuntudisks979', etc. On the right, the main window is titled 'Create storage account'. It has sections for 'Performance' (Standard or Premium), 'Replication' (Locally-redundant storage (LRS)), 'Storage service encryption (blobs and files)' (Disabled or Enabled), 'Secure transfer required' (Disabled or Enabled), 'Subscription' (Pay-As-You-Go), 'Resource group' (Create new or Use existing), and 'Location' (South Central US). A large button at the bottom says 'Create'. A tooltip is visible over the 'Secure transfer required' field, stating: 'encryption should not require secure transfer is not required'.

The slide has a header 'How to launch these Services in Azure?'. In the center is a blue box containing the MySQL for Azure logo, which is a stylized blue cylinder with a green top and the letters 'My' in white. Below the logo, the text 'MySQL for Azure' is written. At the bottom left, there's a 'edureka!' logo. At the bottom right, there's a call-to-action button labeled 'SUBSCRIBE' and a URL 'www.edureka.co/microsoft-certified-azure-solution-architect-certification-training'.

So for MySQL, let's see what all we have to do.

How to launch these Services in Azure?

The screenshot shows the Microsoft Azure portal's 'New' blade. A red box highlights the '+ New' button. The 'Marketplace' section lists various services like Compute, Networking, Storage, and Databases. A red box highlights 'Databases'. A red circle with the number '2' is on the 'Databases' item. To the right, under 'Featured Apps', 'Azure Database for MySQL (preview)' is highlighted with a red box and a red circle with the number '3'. A callout box with the text 'and then we'll click on as your database for MySQL.' is overlaid on the 'Azure Database for MySQL (preview)' item.

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and then we'll click on as
your database for MySQL.

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The screenshot shows the Microsoft Azure Marketplace page for creating an Azure Database for MySQL (preview) server. The left sidebar shows 'for MySQL (preview)' and 'Microsoft'. The main form is titled 'MySQL server'. It includes fields for 'Server admin login name' (set to 'edureka'), 'Password', 'Confirm password', 'Location' (set to 'South Central US'), 'Version' (set to '5.7'), and 'Pricing tier' (set to 'Basic, 50 Compute Units, 50 GB'). Below the form, it says 'Monthly cost 1005.50 USD'. A checkbox 'Pin to dashboard' is checked. At the bottom are 'Create' and 'Automation options' buttons. A red box highlights the 'Create' button.

How to launch these Services in Azure?



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to order scale as and
when required It so let's see

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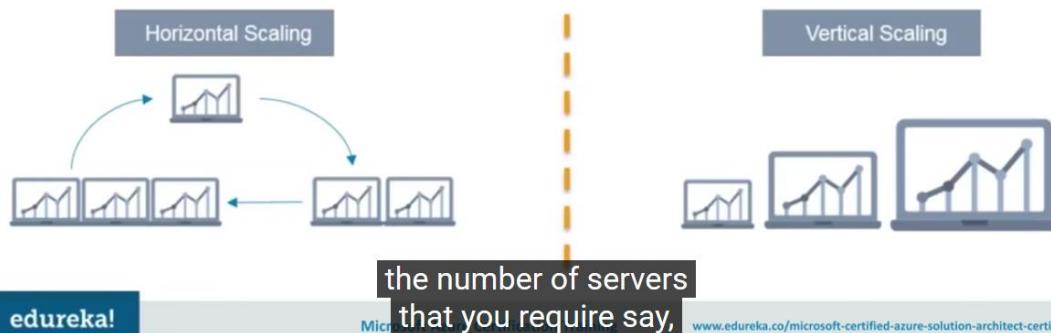
How to launch these Services in Azure?

Scaling can be done in 2 ways:

- Manual Scaling
- Auto Scaling

*Note: With scaling,
load balancing is a
mandate. However, load
balancer can be used
independently.

Furthermore, there are two types of scaling:



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Micro

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How to launch these Services in Azure?

The screenshot shows the Microsoft Azure App Services blade for the 'edureka-1 - Scale out (App Service plan)' service. On the left sidebar, 'App Services' is selected. In the main area, the 'edureka-1' service is listed. The 'Configure' tab is active. Under 'Override condition', there is a slider for 'Instance count' set to 1. A message states: 'Your autoscale configuration is disabled. To reinstate your configuration, enable autoscale.' A red box highlights the 'Enable autoscale' button, which is also numbered 4.

and you will click
on enable auto scale.

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The screenshot shows the Microsoft Azure App Services blade for the 'edureka-01 - Scale out (App Service plan)'. The 'Scale rule' tab is active. The 'Default' section shows a 'Scale mode' set to 'Scale based on a metric'. Under 'Rules', there is a condition: 'Scale out and scale in by 1 when instance count by 1 when metric CPU Percentage is greater than or equal to 80'. The 'Criteria' section includes 'Time aggregation: Average', 'Metric name: CPU Percentage', and 'Time grain statistic: 1 minute time grain'. The 'Action' section shows 'Operation: Increase count by 1'. A red box highlights the 'Greater than or equal to' option in the dropdown menu, which is also numbered 4.

than or equal to let's keep it
at greater than or equal to.

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Cyberoam Captive Portal | Autoscale setting - Microsoft Azure | Microsoft Azure

Secure | https://portal.azure.com/#resource/subscriptions/a3eee433-bf80-45b8-acae-b581d33f6a40/resourceGroups/edureka-01/providers/Microsoft.Web/sites/edureka-01/scale

Microsoft Azure App Services > edureka-01 - Scale out (App Service plan)

App Services omagarwal21@gmail.com (Default Directory)

+ Add Columns Refresh

Subscriptions: All 2 selected Filter by name...

NAME edureka-01 ...

edureka-01 - Scale out (App Service plan)

Search (Ctrl+F)

Configure Run history JSON Notify

* Autoscale setting name: edurekaauto

Resource group: edureka-01

Default Auto created scale condition

Scale mode: Scale based on a metric Scale to a specific instance count

Scale out

When appservice-1 (Average) CpuPercentage >= ... Increase instance count by 1

Rules

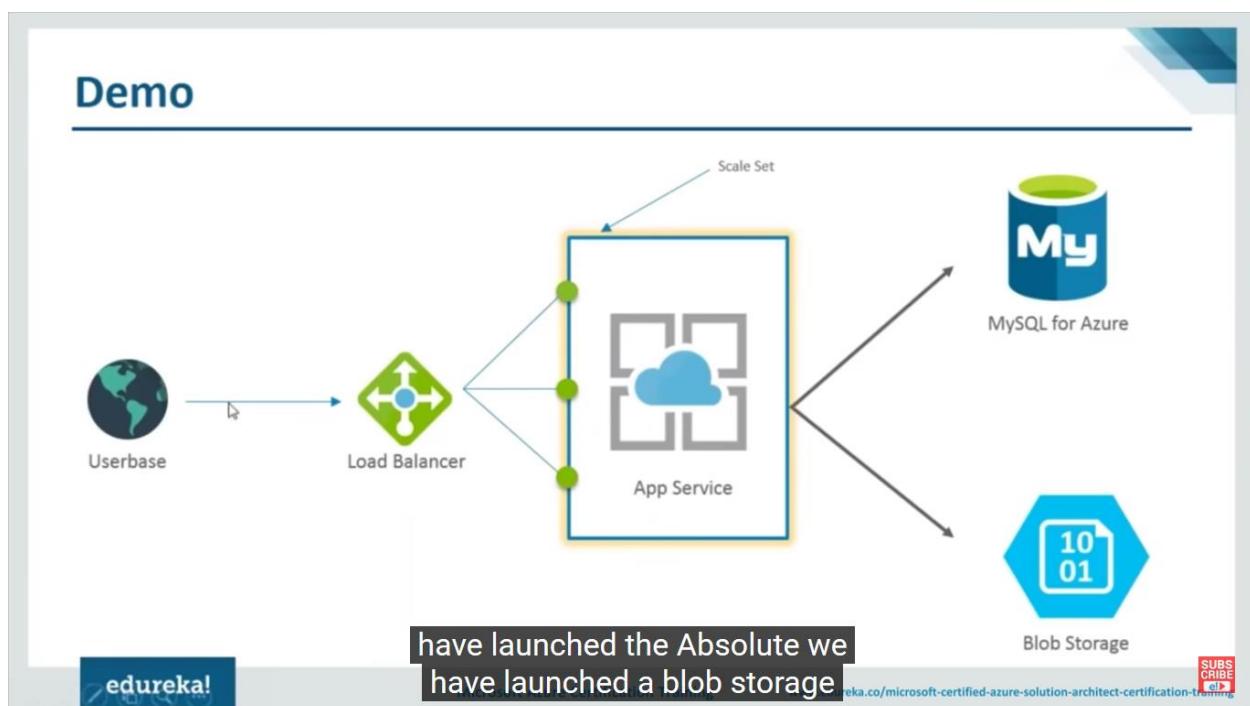
Scale in When appservice-1 (Average) CpuPercentage < 50 Decrease instance count by 1

+ Add a rule

Minimum: 1 Maximum: 1 Default: 1

Actually, if you think about it, it's a very complex process.

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The Microsoft Azure dashboard displays several service tiles:

- Windows Virtual Machines
- Linux Virtual Machines
- App Service
- Functions
- SQL Database

Azure Health shows "MY RESOURCES" with a world map and status indicators for "edureka-01 WEB APP" (Running) and "azureedu" (Available). A central call-to-action button says "to the dashboard and let's first configure a database."

The Microsoft Azure Connection security settings for the edureka-01 MySQL server include:

- SSL settings: Enforce SSL connection set to Enabled.
- Firewall rules: A note states "Connections from the IP(s) specified below provides access to all the databases in edureka-01." A table lists firewall rules with columns: RULE NAME, START IP, and END IP. The table shows "No firewall rules configured."

A central call-to-action button says "when your IP address is listed there then you can connect"

The screenshot shows the Microsoft Azure portal interface for an Azure Database for MySQL server named 'edureka-01'. The left sidebar lists various settings like Overview, Activity log, Tags, Connection strings, Server parameters, Pricing tier, Properties, Locks, Metrics, and Alert rules. The 'Connection security' tab is selected. On the right, there's a 'SSL settings' section with an info icon stating: 'Enforcing SSL connections on your server may require additional configuration to your applications connecting to the server. Click here to learn more.' Below it, an 'Enforce SSL connection' switch is set to 'Enabled'. A 'Firewall rules' section shows a single rule: 'ClientIPAddress_2017-5-2_14-55-40' with 'START IP' and 'END IP' both set to '182.75.128.86'. A success message at the top right says: 'Successfully updated connection security 5...2:55 PM Successfully updated connection security settings for edureka-01'. A large text overlay in the center says: 'So say successfully updated connection security.'

The screenshot shows a terminal window running on Windows (cmd.exe) with the command: C:\Windows\system32\cmd.exe - mysql -h edureka-01.mysql.database.azure.com -P 3306 -u edureka@edureka-01 -p. The user is prompted to enter a password. An error message follows: 'ERROR 2003 (28000): Client with IP address 182.75.128.86 is not allowed to access the server.' The user then tries again with the same command, and this time the MySQL monitor starts successfully, displaying: 'Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 65534. Server version: 5.6.26.0 MySQL Community Server (GPL)' and the copyright notice. A success message at the top right says: 'Successfully updated connection security 5...2:55 PM Successfully updated connection security settings for edureka-01'. A large text overlay in the center says: 'I have successfully connected to my database now.'

Azure Full Course - Learn Microsoft Azure in 8 Hours | Azure Tutorial For Beginners | Edureka

Secure | https://portal.azure.com/#resource/subscriptions/a3eee433-bf80-45b8-acae-b581d33f6a40/resourcegroups/edureka-01/providers/Microsoft.Web/sites/edureka-01/appServ

Microsoft Azure edureka-01

edureka-01 App Service

Search (Ctrl+ /)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

DEPLOYMENT

Quickstart

Deployment credentials

Deployment slots

Deployment options

Continuous Delivery (Preview)

SETTINGS

Application settings

Browse Stop Swap Restart Delete Get publish profile Reset publish profile

Click here to access our Quickstart guide for deploying code to your app →

Essentials

Resource group (change) edureka-01

Status Running

Location South Central US

Subscription name (change) Pay-As-You-Go

Subscription ID a3eee433-bf80-45b8-acae-b581d33f6a40

URL http://edureka-01.azurewebsites.net

App Service plan/pricing tier appservice-1 (Standard: 1 Small)

FTP/deployment username edureka-01\hshar1

FTP hostname ftp://waws-prod-sn1-103.ftp.azurewebsites.windows.net

FTPS hostname https://waws-prod-sn1-103.ftp.azurewebsites.windows.net

Monitoring

Requests and errors

100
80
60
40

This is the URL for your website
will click on this URL

Scroll for details

1:09:32 / 7:58:46 • De...

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Cyberoam Captive Portal Set deployment credentials Microsoft Azure App Service Change Backgrounds

Secure | https://portal.azure.com/#resource/subscriptions/a3eee433-bf80-45b8-acae-b581d33f6a40/resourcegroups/edureka-01/providers/Microsoft.Web/sites/edureka-01/deployments

Microsoft Azure edureka-01 - Deployment credentials

edureka-01 - Deployment credentials

App Service

Search (Ctrl+ /)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

DEPLOYMENT

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Continuous Delivery (Preview)

SETTINGS

Application settings

Save Discard

New name and password

Git and FTP can't authenticate using the account you're signed in with, so create a new user name and password to use with those technologies

Use this user name and password to deploy to any apps for all subscriptions associated with your Microsoft Azure account

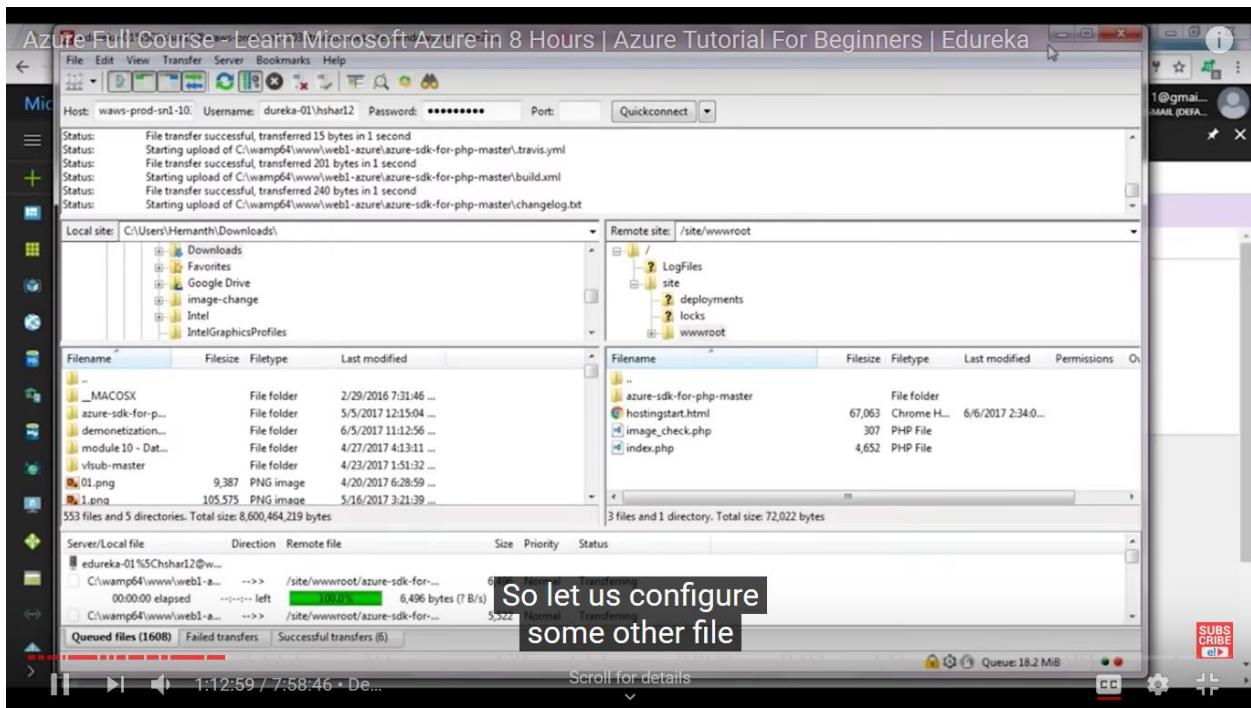
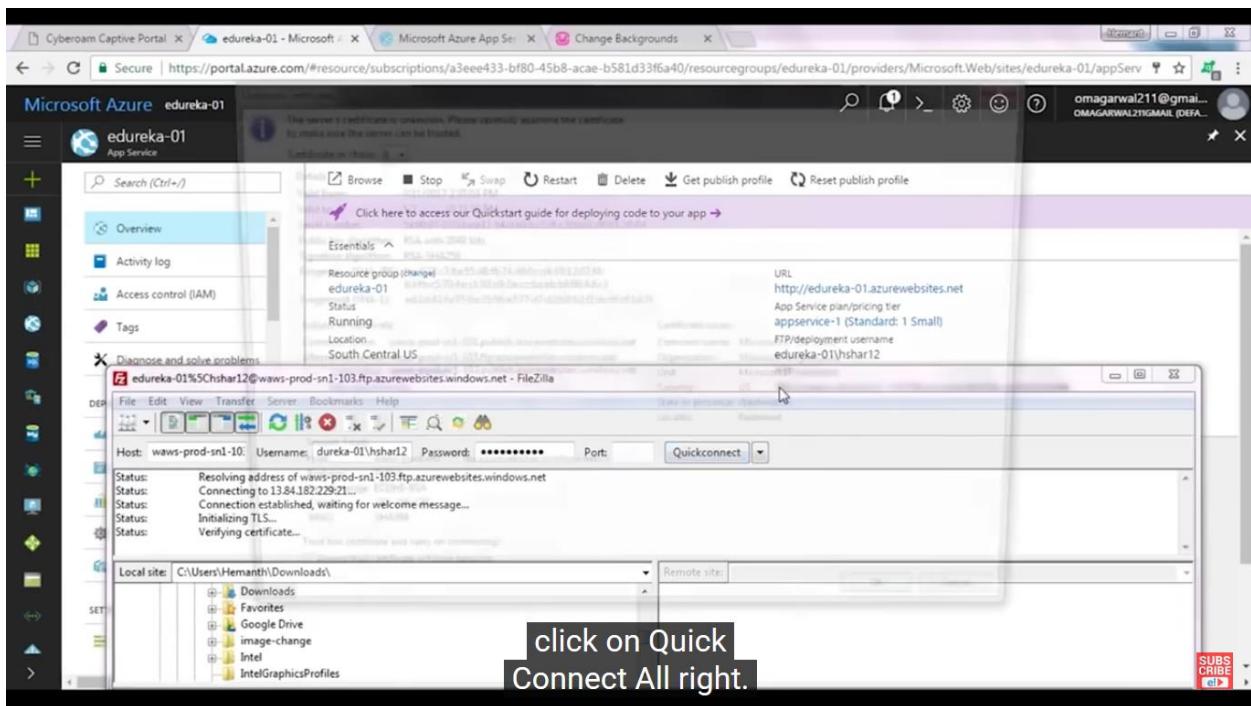
* FTP/deployment username

* Password This field is required

* Confirm password

All right and over here
also a mint one nine nine.

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The screenshot shows the Microsoft Azure Storage Account blade for the resource group 'edureka-01'. The account name is 'azureedu'. The 'Essentials' section displays the following details:

- Resource group (change): edureka-01
- Status: Available
- Primary: Available
- Location: South Central US
- Subscription name (change): Pay-As-You-Go
- Subscription ID: a3eee433-bf80-45b8-acae-b581d33f6a40

The 'Services' section includes icons for Blobs, Files, Tables, and Queues. The 'Monitoring' section shows metrics for Total requests, Total egress, and Average E2E latency. A large watermark in the center of the screen reads: "that I have to change in the code because the addresses".

The screenshot shows the Microsoft Azure Blob service blade for the storage account 'azureedu'. The 'Containers' tab is selected. A modal dialog box is open, prompting to create a new container with the name 'hello' and access type 'Container'. Below the dialog, a list of existing containers is shown, including 'a3eee433-bf80-45b8-acae-b581d33f6a40'. A search bar at the bottom allows filtering by prefix. A message at the bottom states: "You don't have any containers yet. Click '+ Container' to get started." A large watermark in the center of the screen reads: "and the excess type P container."

Microsoft Azure - azureedu - Access keys

azureedu - Access keys

Storage account

Search (Ctrl+ /)

SETTINGS

- Access keys **Access keys** (selected)
- Configuration
- Shared access signature
- Properties
- Locks
- Automation script

Storage account name: azureedu

Default keys

NAME	KEY	CONNECTION STRING	Actions
key1	[REDACTED]	[REDACTED] DefaultEndpointsProtocol=https;AccountName=azureedu;Acco... [Copied]	[Edit] [Delete]
key2	[REDACTED]	[REDACTED] DefaultEndpointsProtocol=https;AccountName=azureedu;Acco... [Edit] [Delete]	[Edit] [Delete]

that you have to include in your code.

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index.php

```

1 <!DOCTYPE html>
2 <meta charset="utf-8"/>
3 <title>Change Backgrounds</title>
4 <link rel="stylesheet" type="text/css" href="css/style9.css" />
5 <link rel="stylesheet" href="https://bootswatch.com/cerulean/bootstrap.min.css">
6 <head>
7
8 </head>
9 <body id="img1" background="images/6.jpg">
10 <php>
11     mb_internal_encoding("UTF-8");
12     ini_set("display_errors", "1");
13     error_reporting(E_ALL);
14     include('image_check.php');
15     require_once 'vendor/autoload.php';
16     use WindowsAzure\Common\ServicesBuilder;
17     use MicrosoftAzure\Storage\Common\ServiceException;
18
19     // getExtension Method
20     $connectionString = 'DefaultEndpointsProtocol=https;AccountName=estol;AccountKey=pVov9F3FzqL2FFlwPTFPjJYQ6NuK5itoAuNmrsBwSiDRddfHgUHuA6YV25VCL6pQGpS9fB6zFTwvMIS
21     $blobRestProxy = ServicesBuilder::getInstance()->createBlobService($connectionString);
22     $msg='';
23     $container ='hello';
24     if($_SERVER['REQUEST_METHOD'] == "POST")
25     {
26         $name = $_FILES['file']['name'];
27         $size = $_FILES['file']['size'];
28         $tmp = $_FILES['file']['tmp_name'];
29         $ext = getExtension($name);
30         $content = fopen($tmp, "r");
31         if(strlen($name) > 0)
32         {
33             // File format validation
34             if(in_array($ext, $valid_formats))
35             {

```

and I will include it in the connection string code.

All right, so I control V
and over here.

```

1  :="utf-8"/>
2  <title>
3  <stylesheet type="text/css" href="css/style9.css" />
4  <stylesheet href="https://bootswatch.com/cerulean/bootstrap.min.css">
5
6
7
8
9  <img background="images/6.jpg">
10
11
12
13
14
15
16
17
18
19
20
21
22
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26
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29
30
31
32
33
34

```

PHP Hypertext Preprocessor file

So the server name
has to be changed.

edureka-01

Resource group: edureka-01

Status: Available

Location: South Central US

Subscription name: Pay-As-You-Go

Subscription ID: a3eee433-bf80-45b8-acae-b581d33f6a40

Performance configuration: Basic, 50 Compute Units, 50 GB

SSL enforce status: Enabled

Resource utilization:

The screenshot shows a Notepad++ window with the following PHP code:

```
43 $keyname = $actual_image_name;
44 $a=1;
45 if($a==1)
46 {
47     // Upload a file.
48     try {
49         $blobRestProxy->createBlockBlob($container, $actual_image_name, $content);
50     }
51 }
52 catch(ServiceException $e){
53     // Handle exception based on error codes and messages.
54     // Error codes and messages are here:
55     // http://msdn.microsoft.com/library/azure/dd179439.aspx
56     $code = $e->getCode();
57     $error_message = $e->getMessage();
58     echo $code."  
". $error_message."  
";
59 }
60 $msg = '

61 <button type="button" class="close" data-dismiss="alert">&times;</button>
62 <strong>Well done!</strong> <a href="#" class="alert-link">Blob Update Complete.</a>.
63 </div>';
64 $hostname='edureka-i-mysql';
65 $username='edureka@edureka-1';
66 $password='edul234!';
67 $dbname='edureka';
68 $usertable='image';
69 $yourfield='name';
70 $con=mysqli_connect($hostname,$username, $password) OR DIE ('Unable to connect to database! Please try again later.');
71 mysqli_select_db($con,$dbname);
72 $query = "insert into ".$usertable." values('".$actual_image_name."');";
73 mysqli_query($con,$query) or die("Not Updated!");
74
75
76
77 } else
78 {
79     $msg = "File Upload Failed..";
80 }

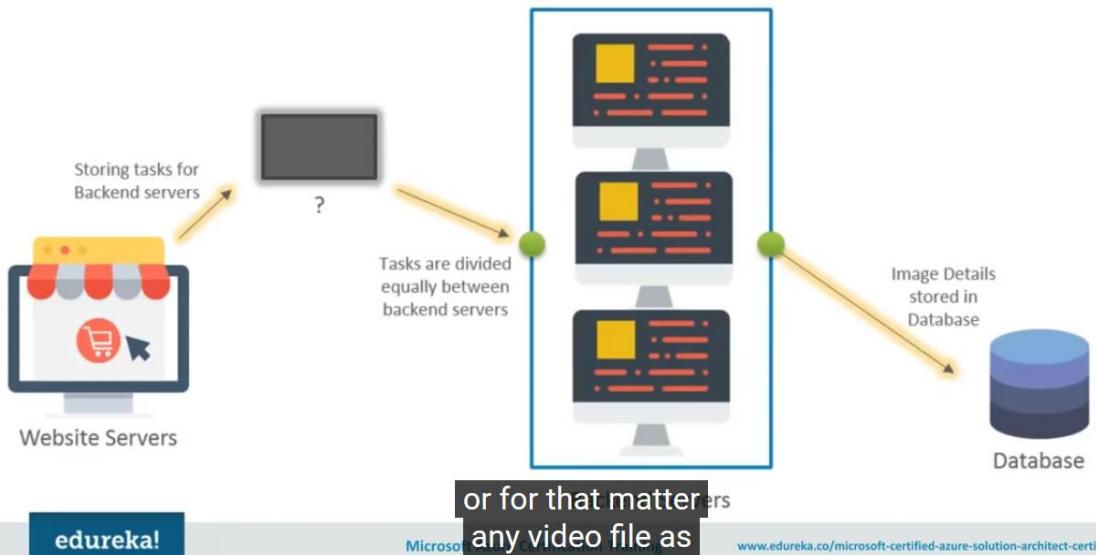

```

So the host name is this.

```
C:\wamp64\www\web1-azure\index.php - Notepad+
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 
index.php index.php index.php index.php index.php new 1 session.cmd new 2 index.php
46
47 // Upload a file.
48 try {
49     $blobRestProxy->createBlockBlob($container, $actual_image_name, $content);
50 }
51 catch(ServiceException $e){
52     // Handle exception based on error codes and messages.
53     // Error codes and messages are here:
54     // http://msdn.microsoft.com/library/azure/dd179439.aspx
55     $code = $e->getCode();
56     $error_message = $e->getMessage();
57     echo $code."/".$error_message."<br />";
58 }
59
60 $msg = '<div class="alert alert-dismissible alert-success">
61 <button type="button" class="close" data-dismiss="alert">&times;</button>
62 <strong>Well done!</strong> <a href="#" class="alert-link">Blob Update Complete.</a>.
63 </div>';
64 $hostname='edureka-01.mysql.database.azure.com';
65 $username='edureka@edureka-01';
66 $password='edul234!';
67 $dbname='edureka';
68 $usertable='users';
69 $yourfield='Name';
70 $con=mysqli_connect($hostname,$username, $password) OR DIE ('Unable to connect to database! Please try again later.');
71 mysqli_select_db($con,$dbname);
72 $query = "Insert into \"$usertable\" values(\"$actual_image_name\")";
73 mysqli_query($con,$query) or die("Not Updated!");
74
75 }
76 else
77 $msg = "S3 Upload Fail.";
78
79 }
else
which is night username user
table as image, which is right

```

Why Storage?



Storage v/s Database



VS



Storage is used to store objects which are random in nature, for example videos, music files etc.

Databases are used to store data or records, which are more related to each other, which may change with time and can be updated.

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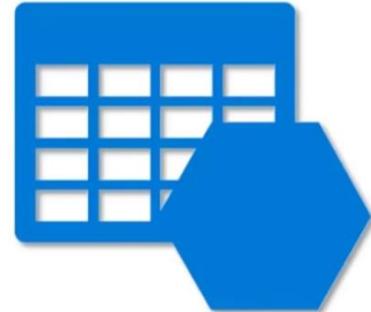
whenever you have video files
whenever you have Images

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What is Azure Storage?

Azure Storage or Storage Accounts is a service from Azure, which provides storage service for various use cases. Azure Storage is the cloud storage solution for modern applications that rely on durability, availability, and scalability to meet the needs of their customers.



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and that storage service
is called the Azure storage.

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Components of Azure Storage



Blobs



Queues



File System



Tables

Azure Queue storage is a service for storing large numbers of messages that can be accessed from anywhere in the world via authenticated calls using HTTP or HTTPS. A single queue message can be up to 64 KB in size, and a queue can contain millions of messages, up to the total capacity limit of a storage account.

edureka!

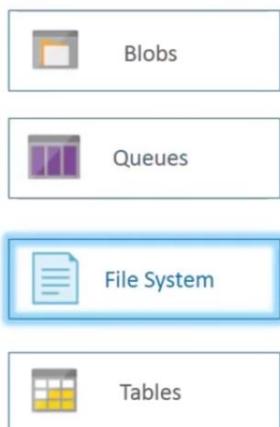
What cues are let me go
to my file system,

Micros

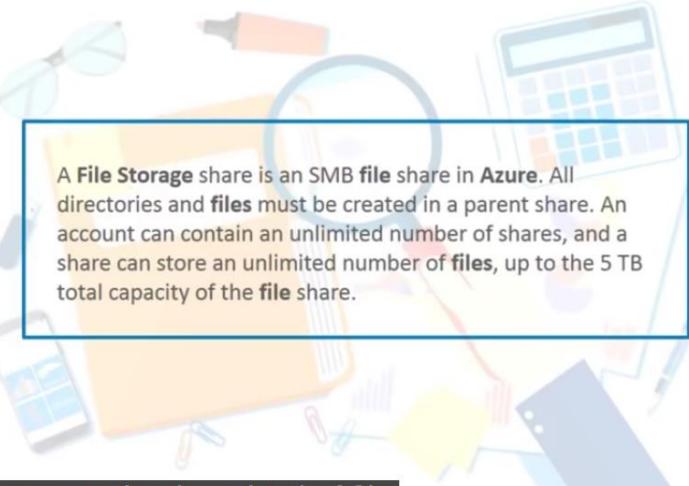
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Components of Azure Storage



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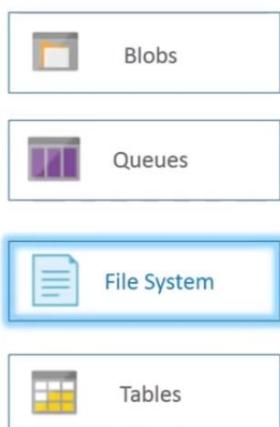
You can upload any kind of file

but with file system,

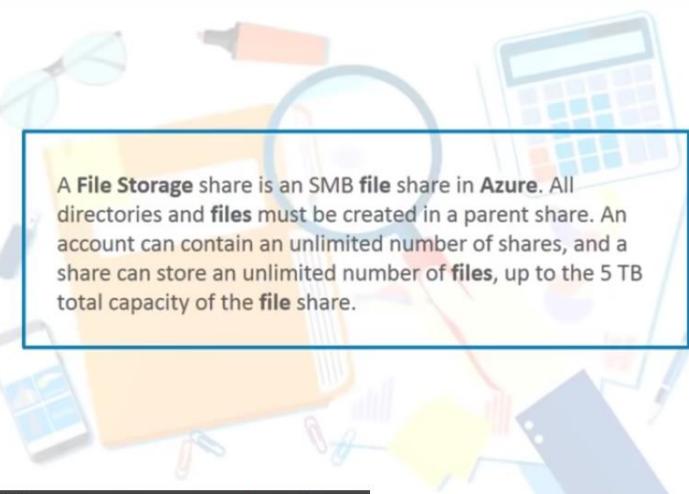
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Components of Azure Storage



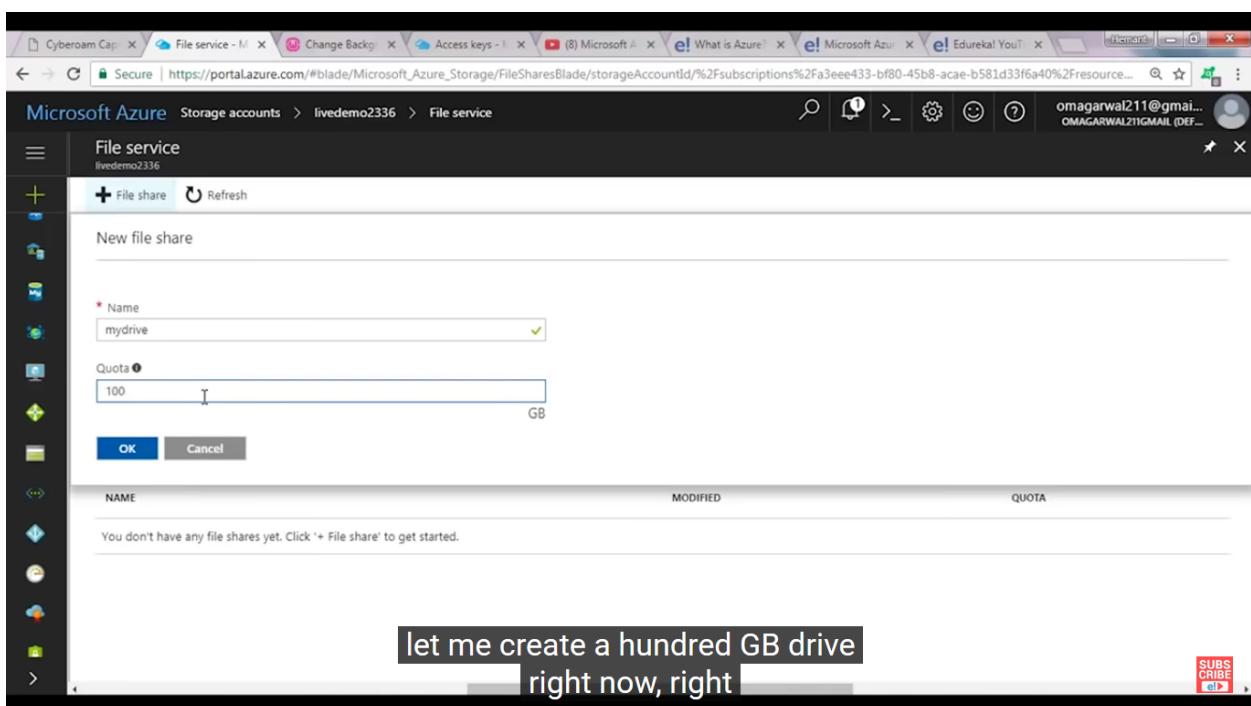
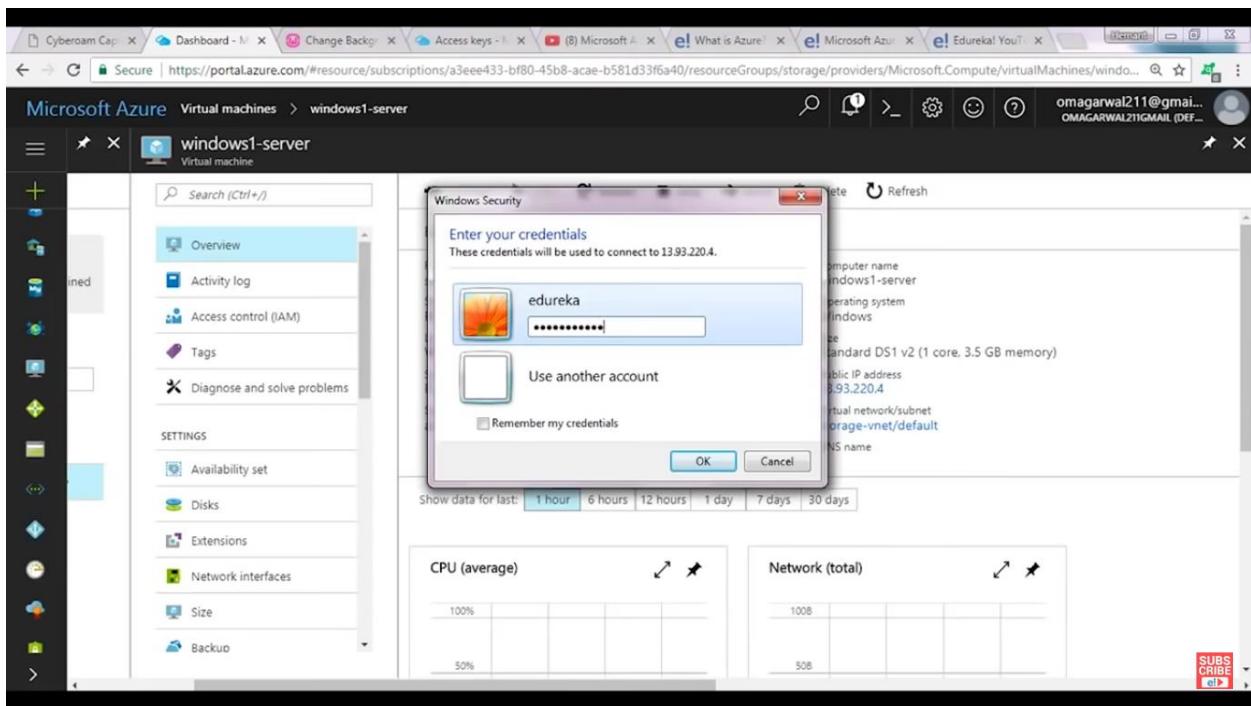
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if it was an extended Drive
in your own computer, right

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File service

mydrive

Location: mydrive

Search files by prefix:

NAME

No files found.

Connecting from Windows

To connect to this file share from a Windows computer, run this command:

```
net use [drive letter] \\livedemo2336.file.core.windows.net\mydr...
```

Connecting from Linux

To connect to this file share from a Linux computer, run this command:

```
sudo mount -t cifs //livedemo2336.file.core.windows.net/mydr...
```

The Linux SMB3 client doesn't support share level encryption yet, so mounting a file share in Linux only works from virtual machines running in the same Azure region as the file share.

Learn more about Azure File Storage with Windows

Learn more about Azure File Storage with Linux

and then I will get this command to connect to it.

Start

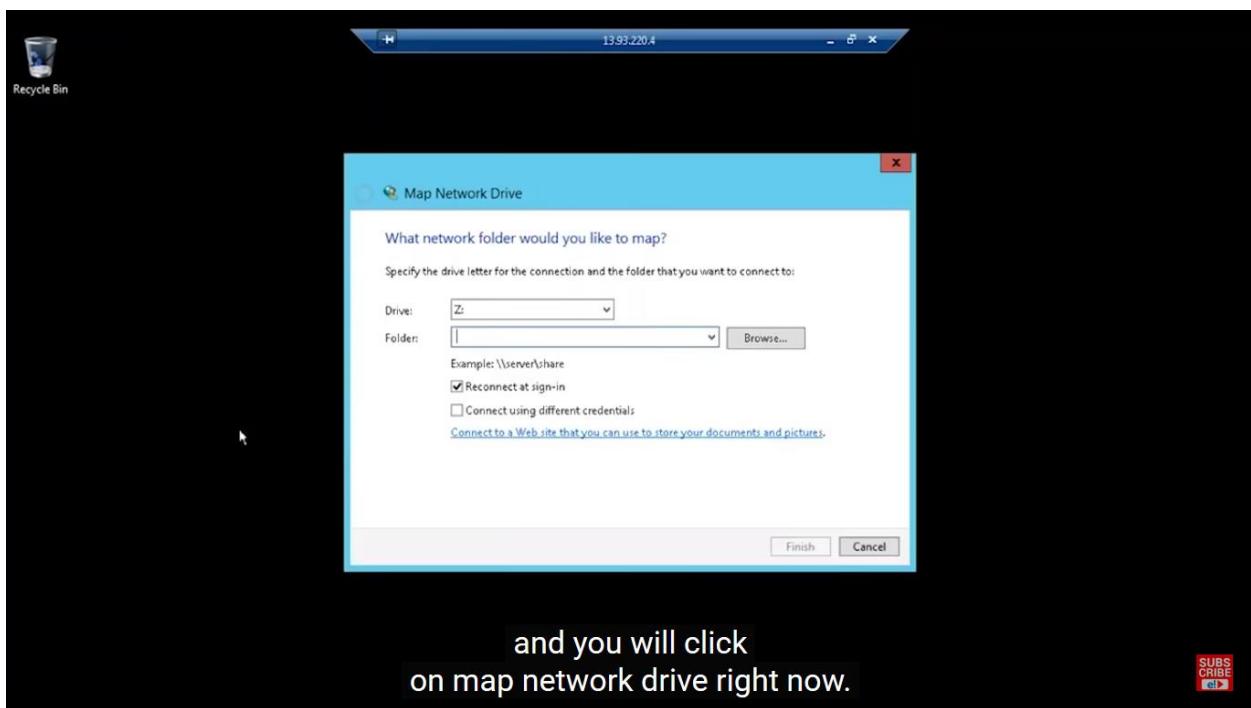
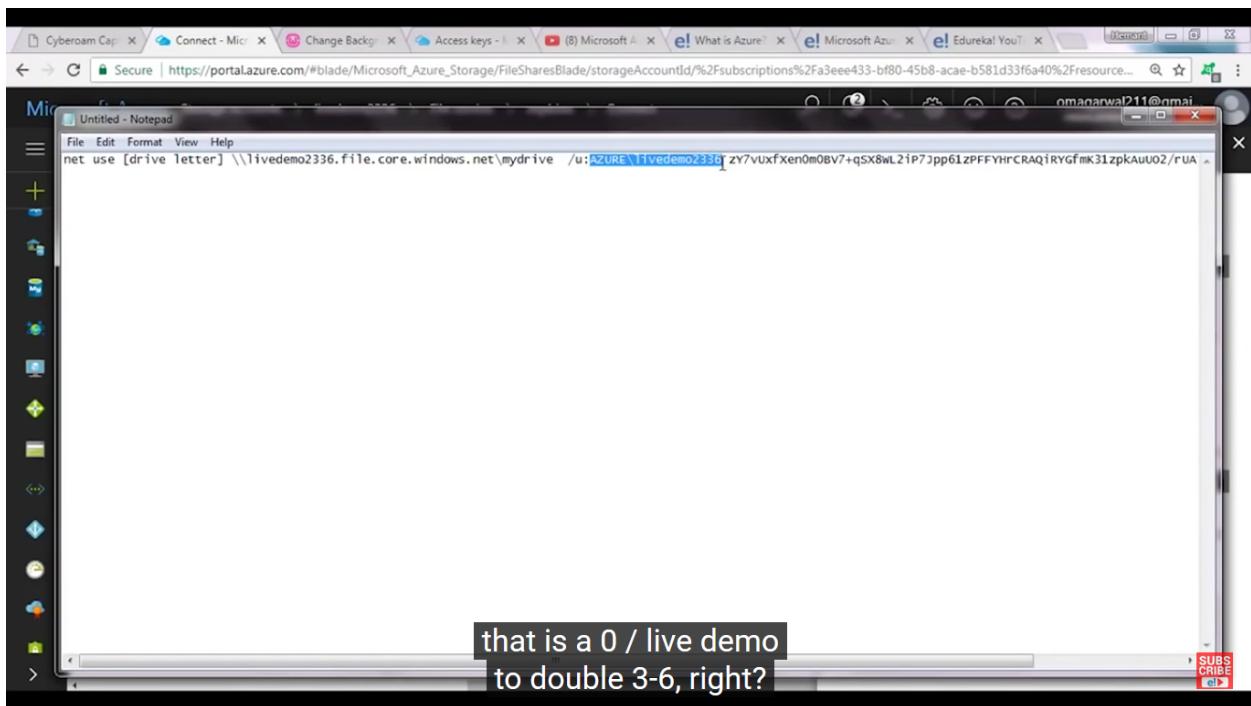
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This PC

Properties

Map network drive

and you will click on map network drive right now.



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Secure | https://portal.azure.com/#blade/Microsoft_Azure_Storage/FileSharesBlade/storageAccountId/%2Fsubscriptions%2Fa3eee433-bf80-45b8-acae-b581d33f6a40%2Fresource... i

Microsoft Azure Storage accounts livedemo2336 File service mydrive File properties

File service livedemo2336 mydrive File share

File properties Recycle Bin - Shortcut.lnk

File share Refresh Connect Upload Add directory Refresh Delete share Properties Download Delete

Location: mydrive

Search files by prefix

NAME	TYPE
IMC.hiv	File
Recycle Bin - Shortcut.lnk	File

NAME
Recycle Bin - Shortcut.lnk

URL
https://livedemo2336.file.core.windows.net/

LAST MODIFIED
8/11/2017, 8:33:09 PM

SIZE
359 B

ETAG
0x8D4E0CA1434F412

CONTENT-MD5

if they have the link.

2:02:10 / 7:58:46 • Co... Scroll for details

CC G SUBSCRIBE

Components of Azure Storage

- Blobs
- Queues
- File System
- Tables

The **Azure Table** storage service stores large amounts of structured data. The service is a NoSQL datastore which accepts authenticated calls from inside and outside the Azure cloud. Azure tables are ideal for storing structured, non-relational data.

from a 0 so it is just like nosql

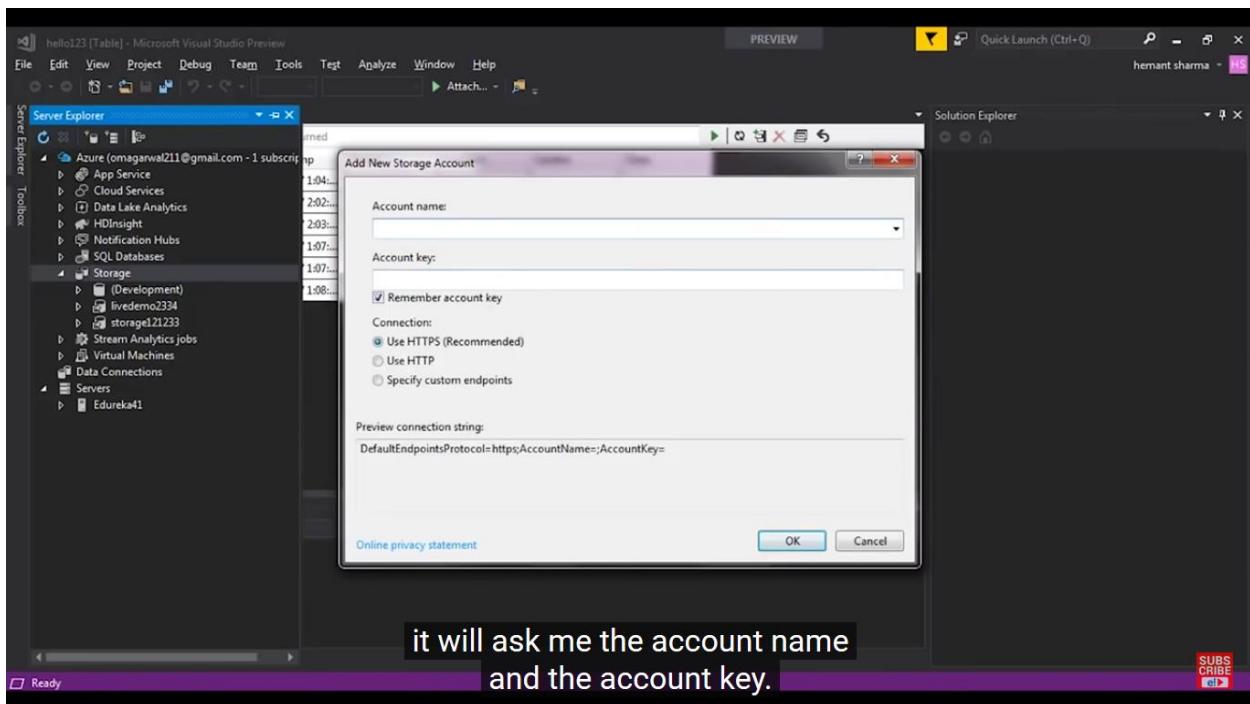
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The screenshot shows the Microsoft Azure Storage accounts portal. On the left, there's a sidebar with icons for various services like App Service, Cloud Services, Data Lake Analytics, HDInsight, Notification Hubs, SQL Databases, and Storage. Under Storage, it lists 'livedemo2334', 'livedemo2335', 'livedemo2336' (which is selected), 'storage121233', and 'storagediag880'. The main pane is titled 'livedemo2336 Storage account'. It has a search bar at the top right. Below the search bar are sections for 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', and 'Diagnose and solve problems'. A 'SETTINGS' section includes 'Access keys', 'Configuration', 'Shared access signature', 'Properties', and 'Locks'. On the right, there are sections for 'File shares that use SMB 3.0 protocol', 'Tables' (with a sub-section for 'Table storage'), 'Queues', and 'Monitoring' (with a dropdown for 'Show data for last' from 1 hour to 30 days). A large callout box in the center says: "So we will select tables will go inside tables."

The screenshot shows the Microsoft Visual Studio Server Explorer window. The left pane shows a tree view of Azure resources under 'Azure (omagarwal21@gmail.com - 1 subscriptions)'. Under 'Storage', it lists 'livedemo2334', 'Blobs', 'Queues', and 'Tables'. The 'Tables' node is expanded, showing a table named 'hello123' with two rows: one for 'Heman' and one for 'Jerry'. The right pane shows the 'Solution Explorer' with files like 'Program.cs', 'appsettings.json', and 'Startup.cs'. A callout box in the center says: "once you have you will be listed your Azure service over here."



Sorry your key, right?

hello123 [Table] - Microsoft Visual Studio Preview

File Edit View Project Debug Team Tools Test Analyze Window Help

PREVIEW

Quick Launch (Ctrl+Q)

hemant sharma - 15

Hello123 (Table) Start Page

Enter a WCF Data Services filter to limit the entities returned

PartitionKey RowKey Timestamp Name Location Cardno Class

tasksSeattle	1	8/11/2017 1:04:26 AM	Hemant			
tasksSeattle	111	8/11/2017 2:02:29 AM	Hemant			12th
tasksSeattle	11111	8/11/2017 2:03:10 AM	Hemant			12th
tasksSeattle	2	8/11/2017 1:07:15 AM	Hemant	Bangalore		
tasksSeattle	3	8/11/2017 1:07:15 AM	Jerry			
tasksSeattle	4	8/11/2017 1:08:15 AM	Jerry		12345678	

i ← ← | | → → | of 6 | → → |

Output

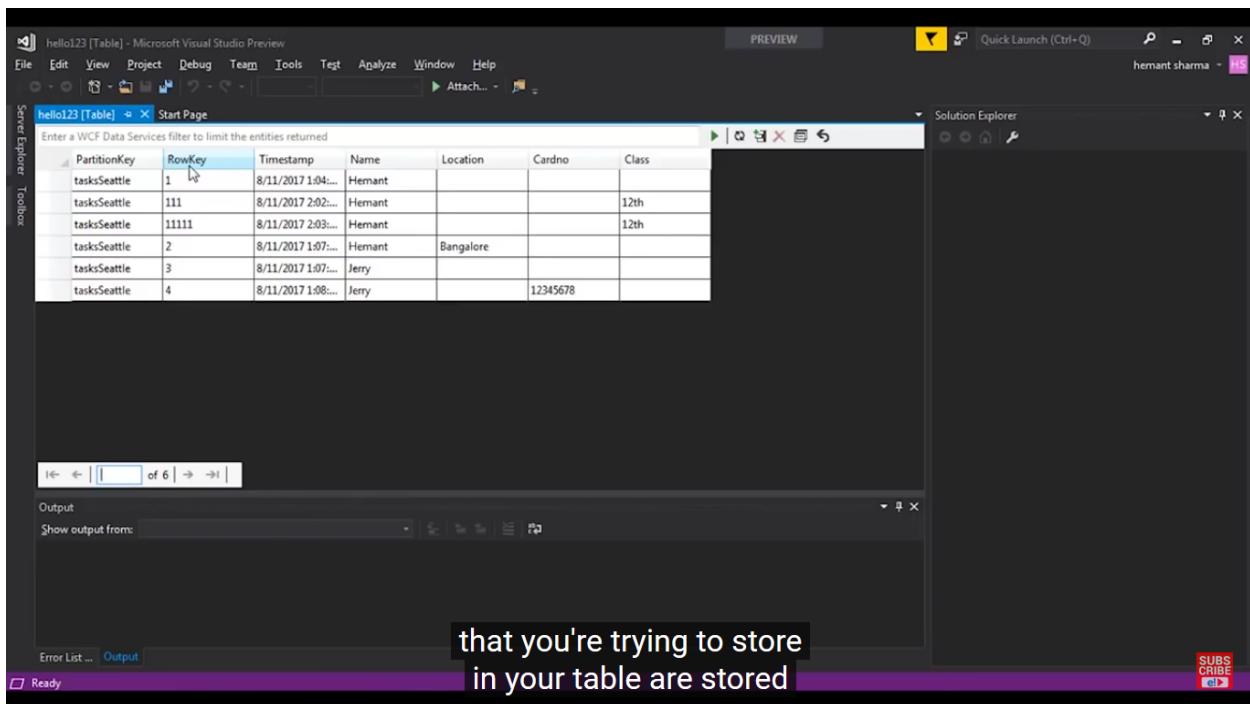
Show output from:

Error List ... Output

Ready

that you're trying to store
in your table are stored

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Cyberoam Cap... Table service... Change Backg... Access keys... (8) Microsoft... e! What is Azure... e! Microsoft Azur... e! Edureka You... Hemant

localhost/table/

Enter Values:

Roll no:

1. Value:
2. Value:
3. Value:
4. Value:

Upload Data

edureka!

We're ridiculously committed.

Live Classes This isn't canned learning.

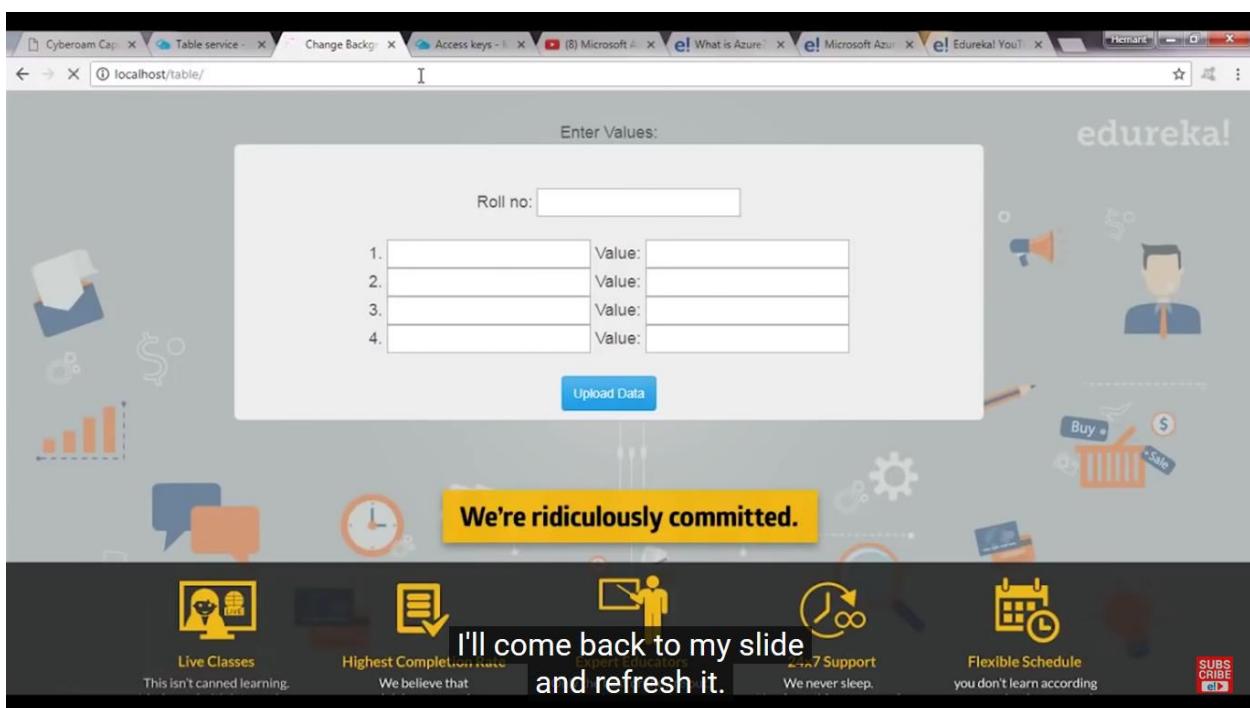
Highest Completion Rates We believe that

Expert Educators I'll come back to my slide and refresh it.

24x7 Support We never sleep.

Flexible Schedule You don't learn according

SUBSCRIBE



localhost/table/

Enter Values:

Roll no:	3
1. Name	Value: hemant
2. creditcardno	Value: 09876
3. mobileno	Value: 5678
4.	Value:

Upload Data

We're ridiculously committed.

Live Classes Highest Completion Rate Expert Educators 24x7 Support Flexible Schedule

Waiting for localhost...

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File Edit View Project Debug Team Tools Test Analyze Window Help

newtable [Table] hello123 [Table] Start Page

Enter a WCF Data Services filter to limit the entities returned

PartitionKey	RowKey	Timestamp	Name	Mobileno	Creditcardno	creditcardno	mobileno
taskSeattle	1	8/11/2017 3:11...	Hemant	123456789			
taskSeattle	2	8/11/2017 3:12...	Hemant	5678	1234567890		
taskSeattle	3	8/11/2017 3:13...	hemant			09876	5678

of the of the indentation of
the sorry your syntax as well.

Output Show output from:

2:11:46 / 7:58:46 • Co... Scroll for details

What is a Virtual Machine?

In computing, a **virtual machine (VM)** is an emulation of a computer system. **Virtual machines** are based on computer architectures and provide functionality of a physical computer. Their implementations may involve specialized hardware, software, or a combination.



You can install as
many software's as you want.

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Why Virtual Networks?

Virtual Networks act as a communication channel between resources launched in the cloud. Why Virtual? Because there are no physical wires involved in connecting these resources.



What we'll be doing a is
that we'll be deploying

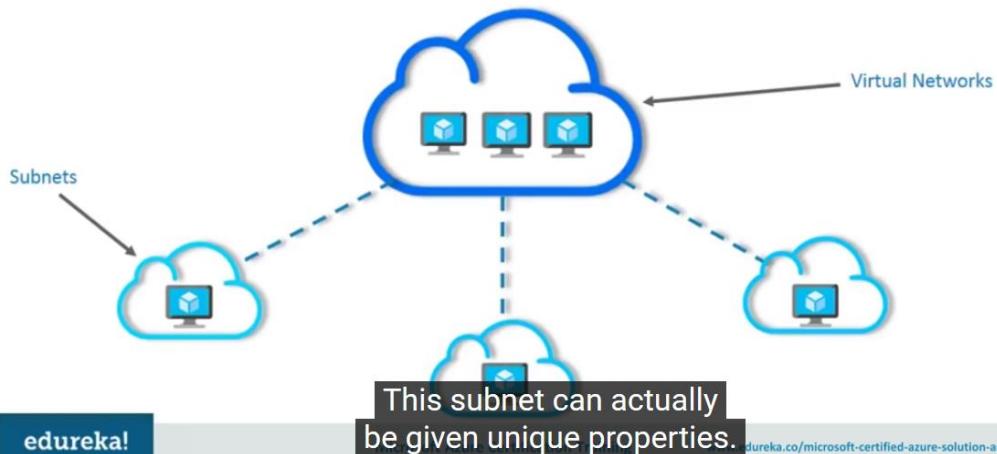
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What are Azure Subnets?

Each Virtual Network can be divided into subparts, these sub parts are called subnets. Subnets are further configured using Network Security Groups.



Network Security Groups

Network Security Groups are just like firewalls, which filter the traffic coming in, and going out of your VMs. These settings can be done easily using Azure.

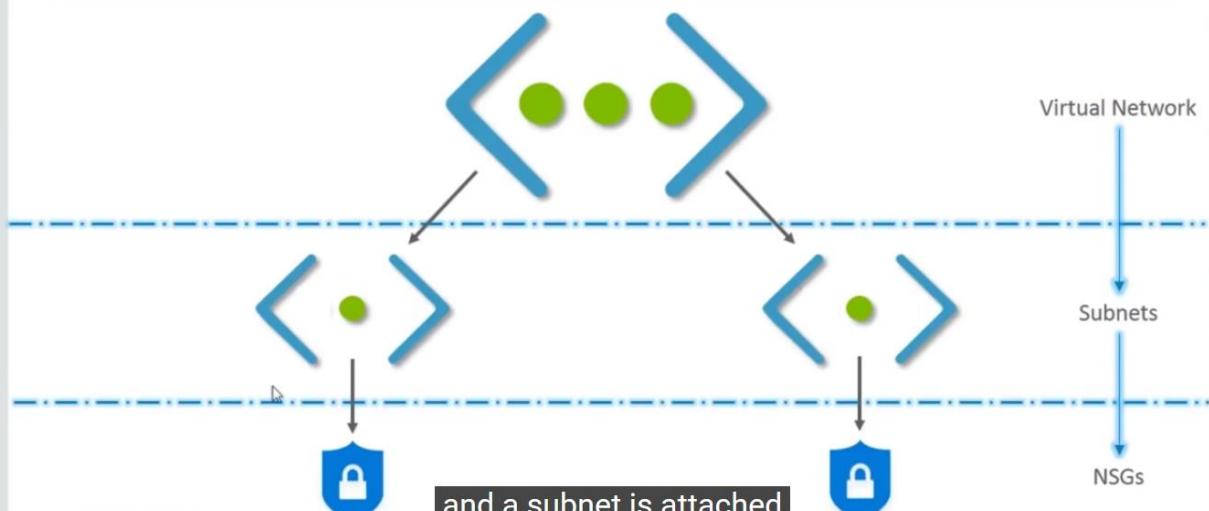


For example, I want
to connect to my web server.

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Virtual Network Architecture



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Demo

Step 1: First, we'll be creating the Network Security Groups.

Step 2: Create the Virtual Network

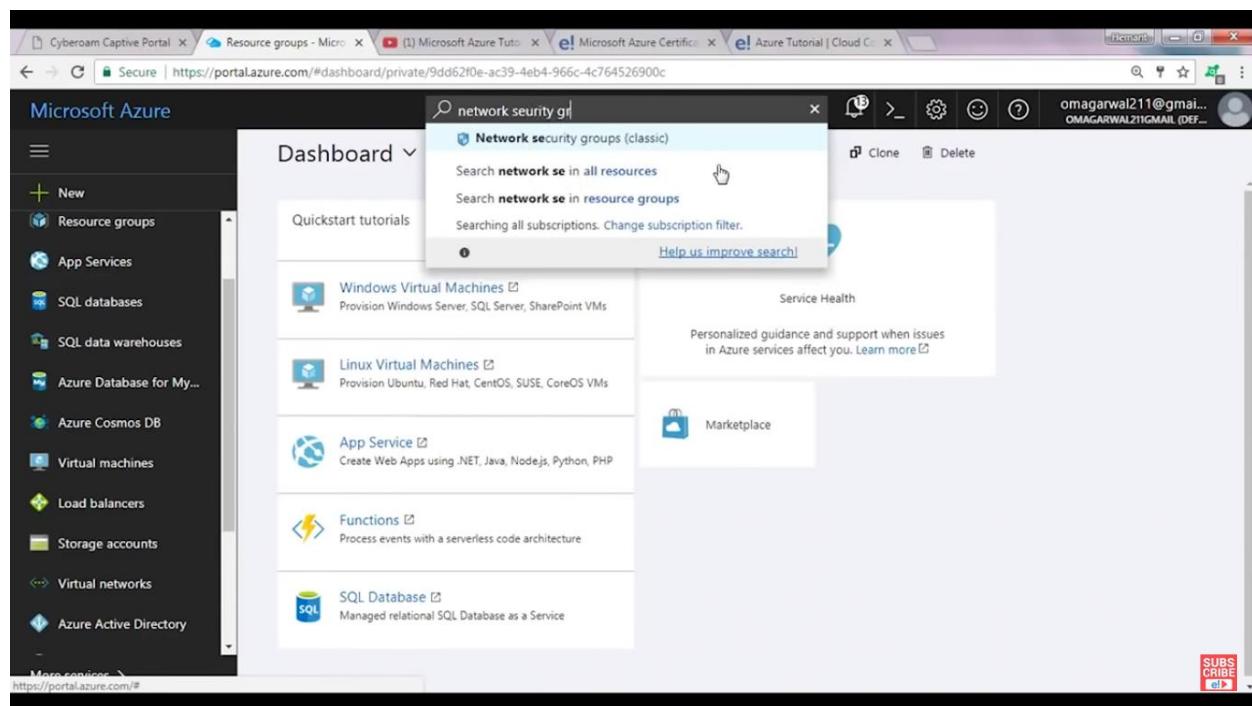
Step 3: Create the Webserver VM and Database VM.

Step 4: Configure the Network Security Groups for the respective VMs.

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So just give me a second.

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Secure | https://portal.azure.com/#create/Microsoft.NetworkSecurityGroup-ARM

Microsoft Azure Network security groups > Create network security group

Network security groups Add Columns Refresh

Subscriptions: Pay-As-You-Go Filter by name...

0 items NAME

No Network security groups to display

Create a network security group with rules to filter inbound traffic to, and outbound traffic from, virtual machines and subnets. Learn more 

Create Network security groups

Create network security group

Name: ✓

Subscription: ✓

Resource group: Create new Use existing ✓

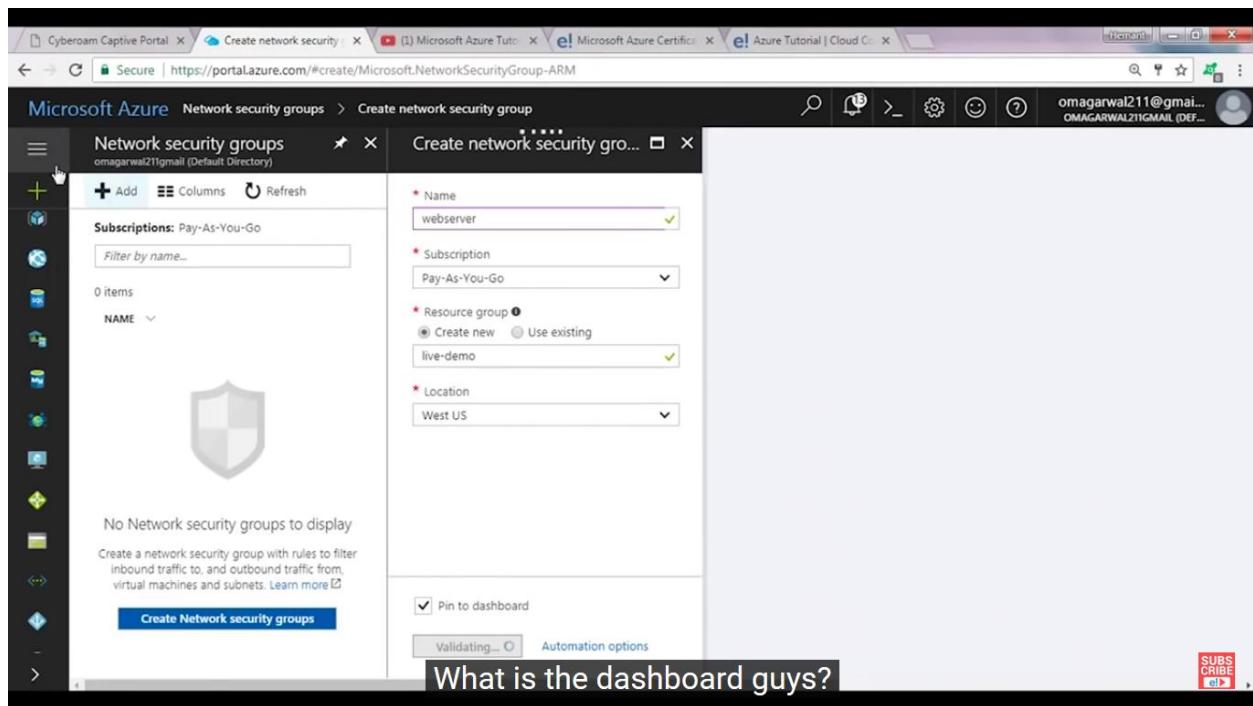
Location:

Pin to dashboard

Validating... OK Automation options

What is the dashboard guys?

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The screenshot shows the Microsoft Azure portal interface. The left sidebar displays 'Network security groups' under 'omagarwal21@gmail (Default Directory)'. The main panel is titled 'Create network security group' with a sub-tile 'Just enter the name of the resource Group'. The form fields include:

- Name: database
- Subscription: Pay-As-You-Go
- Resource group: live-demo
- Location: West US

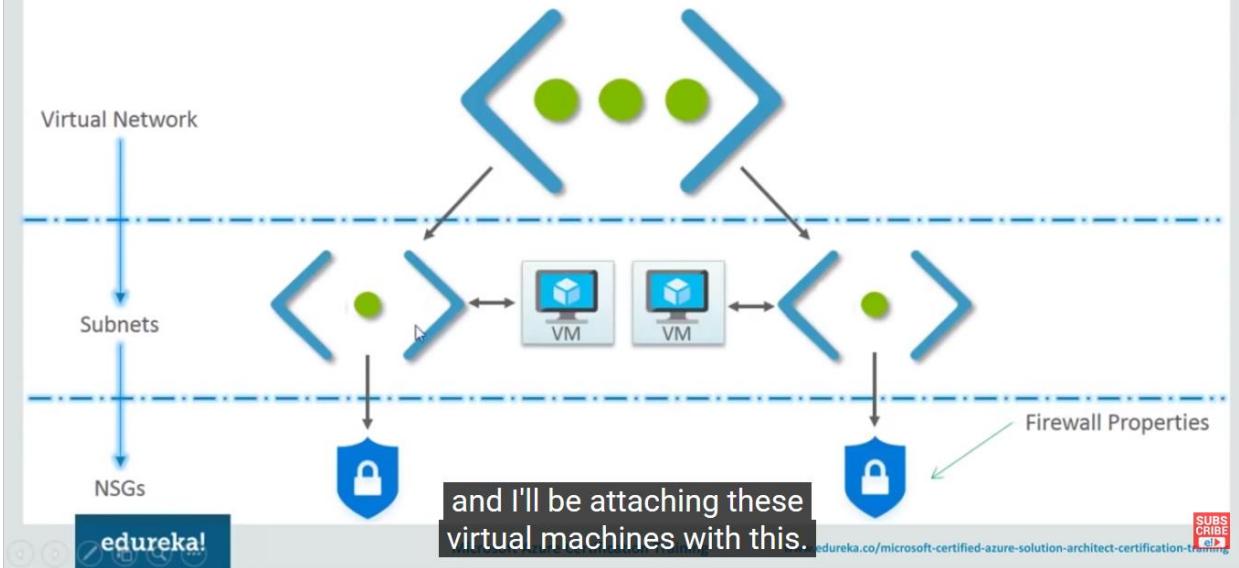
A checked checkbox 'Pin to dashboard' is present at the bottom left. A red box highlights the text 'Just enter the name of the resource Group'.

The screenshot shows the Microsoft Azure portal interface. The left sidebar displays 'Virtual networks' under 'omagarwal21@gmail (Default Directory)'. The main panel is titled 'Create virtual network' with a sub-tile 'So by default its best West us will keep it at that right'. The form fields include:

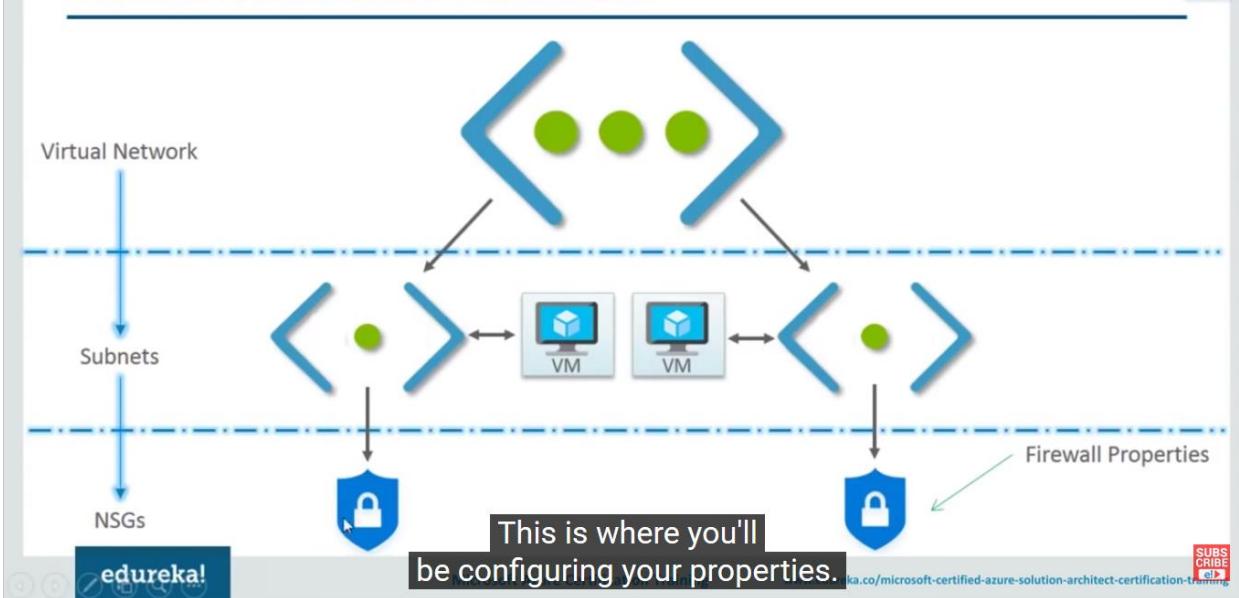
- Address space: 192.1.0.0/16
- Subnet name: default
- Subnet address range: 192.1.0.0/24
- Subscription: Pay-As-You-Go
- Resource group: live-demo
- Location: West US

An unchecked checkbox 'Pin to dashboard' is present at the bottom left. A red box highlights the text 'So by default its best West us will keep it at that right'.

Virtual Network Architecture



Virtual Network Architecture



Microsoft Azure Virtual networks > vnet - Subnets

vnet - Subnets Virtual network

Search (Ctrl+ /)

Overview Activity log Access control (IAM) Tags

SETTINGS

Address space Connected devices Subnets DNS servers Peerings Properties Locks

+ Subnet + Gateway subnet

Search subnets

NAME	ADDRESS RANGE	AVAILABLE ADDR...	SECURITY GROUP
default	192.1.0.0/24	251	-

So we'll go to the subnets pain will click on ADD and let's add

Microsoft Azure Virtual networks > vnet - Subnets > Add subnet > Resource

Add subnet vnet

* Name: webserver

* Address range (CIDR block): 192.1.1.0/24
192.1.1.0 - 192.1.1.255 (256 addresses)

Network security group: None

Route table: None

Resource

These are the network security groups in the selected subscription and location 'West US'.

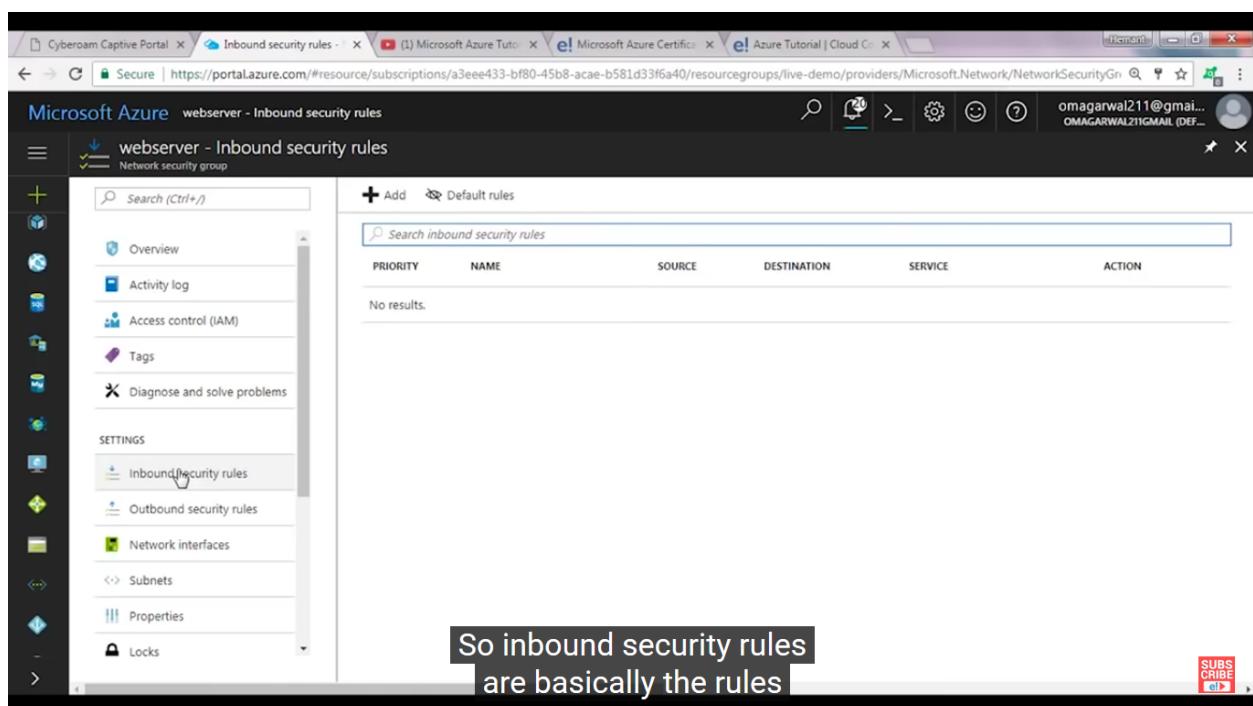
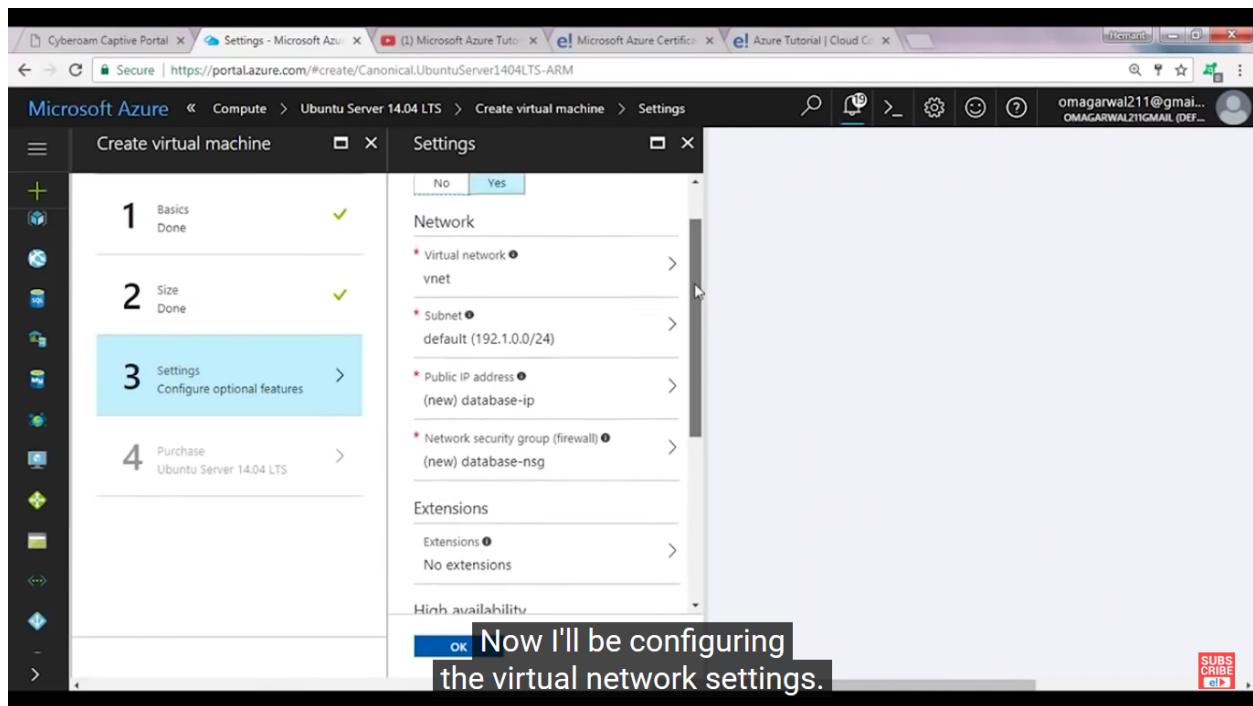
None
database westus
webserver westus

OK

which will be for the web server, right?

The screenshot shows the Microsoft Azure Virtual machines Compute blade. On the left, there's a sidebar with icons for storage, databases, and more. The main area has a title 'Compute' with a search bar and filter icon. Below it is a section titled 'Virtual machines' under 'omagarwal21@gmail (Default Directory)'. It shows a message about managing virtual machines and subscriptions. A large 'No Virtual machines to display' message is present. To the right, there's a 'Virtual Machine Images' section with icons for various operating systems like Windows Server, Red Hat Enterprise Linux, Ubuntu Server, SQL Server 2016, and SharePoint Server 2016 Trial. A banner at the bottom says 'You can also configure a Windows server,'.

The screenshot shows the Microsoft Azure Purchase blade for Ubuntu Server 14.04 LTS. The left sidebar shows steps: Basics (Done), Size (Done), Settings (Done), and Purchase (Ubuntu Server 14.04 LTS selected). The main area has a title 'Purchase' with a validation message 'Validation passed'. It shows 'Offer details' for Standard DS1 v2 by Microsoft at 4.6267 INR/hr. Below that is an 'Azure resource' section with terms of use and a note about monetary commitment funds. At the bottom is a 'Terms of use' section with a checkbox for giving Microsoft permission to use contact information. A 'Purchase' button is at the bottom left, and a 'Download template and parameters' link is at the bottom right. A banner at the bottom says 'and conditions and that is it.'



Azure Full Course - Learn Microsoft Azure in 8 Hours | Azure Tutorial For Beginners | Edureka

Secure | https://portal.azure.com/#resource/subscriptions/a3eee433-bf80-45b8-acae-b581d33f6a40/resourceGroups/live-demo/providers/Microsoft.Network/networkSecurityGr...

Microsoft Azure webserver - Inbound security rules

webserver - Inbound security rules

Resource groups

Inbound security rules

Default rules

Priority Name Source Destination Service Action

PRIORITY	NAME	SOURCE	DESTINATION	SERVICE	ACTION
100	HTTP	Any	Any	HTTP (TCP/80)	Allow
110	HTTPS	Any	Any	HTTPS (TCP/443)	Allow
120	SSH	Any	Any	SSH (TCP/22)	Allow

if I can access my web server as of now or not, right?

https://portal.azure.com/#blade/HubsBlade

2:37:36 / 7:58:46 • De...
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Cyberoam Captive Portal

Inbound security rules

Microsoft Azure webserver - Inbound security rules

edureka@webserver:~

```
System load: 0.24      Memory usage: 3%    Processes:  62
Usage of /: 41.0% of 1.94GB  Swap usage:  0%   Users logged in: 0
Graph this data and manage this system at:
  https://landscape.canonical.com/
Get cloud support with Ubuntu Advantage Cloud Guest:
  http://www.ubuntu.com/business/services/cloud
0 packages can be updated.
0 updates are security updates.

Your Hardware Enablement Stack (HWE) is supported until April 2019.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

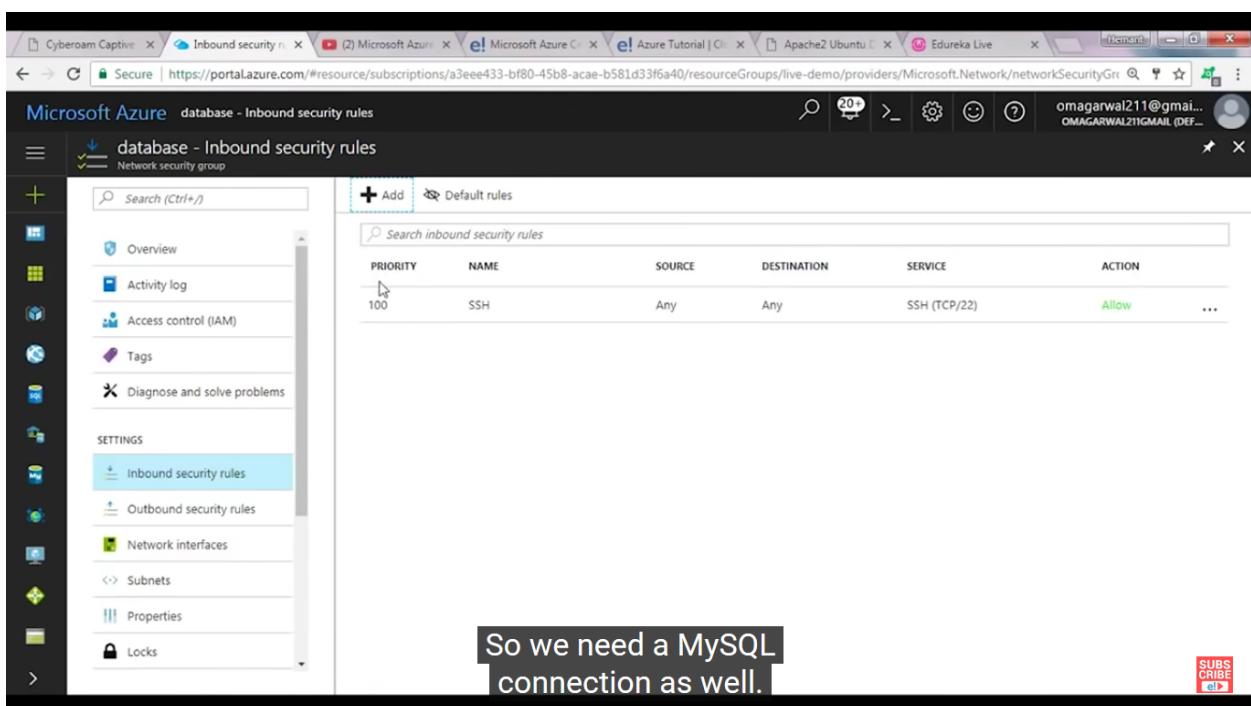
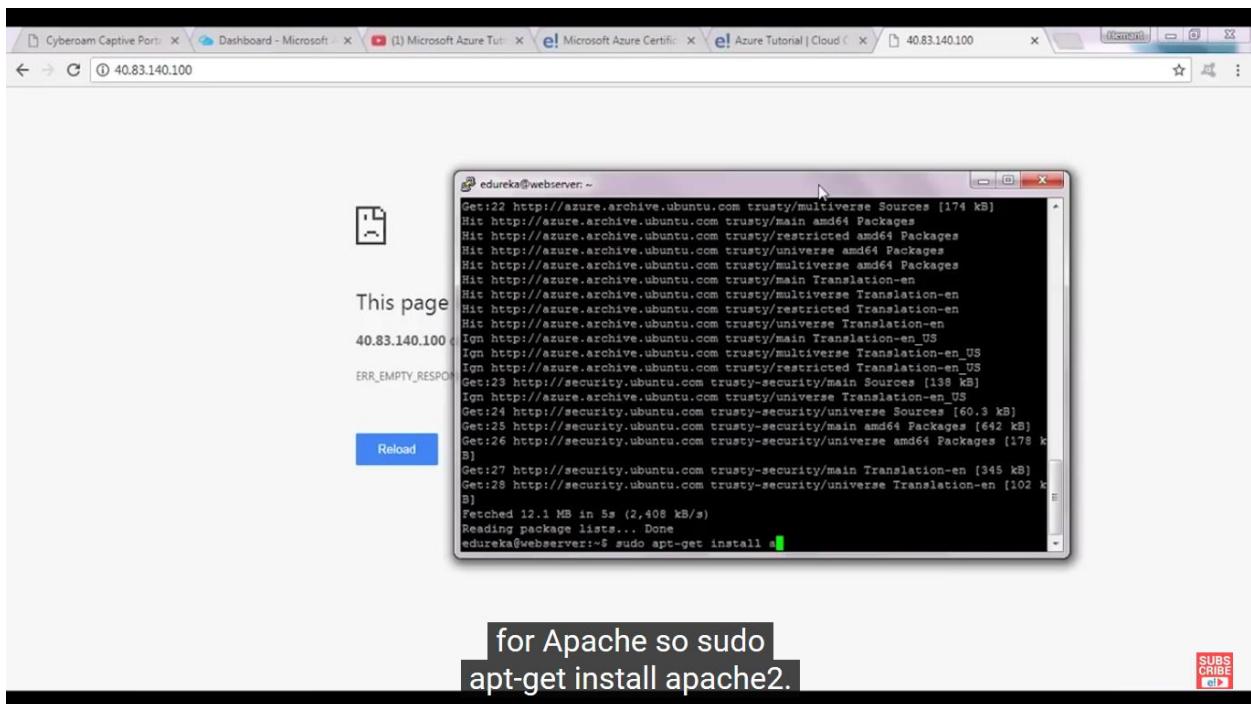
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
```

edureka@webserver:~\$

so that it becomes a web server, right?

https://portal.azure.com/#blade/HubsBlade

2:37:36 / 7:58:46 • De...
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Secure | https://portal.azure.com/#resource/subscriptions/a3eee433-bf80-45b8-acae-b581d33f6a40/resourceGroups/live-demo/providers/Microsoft.Network/networkSecurityGr...

Microsoft Azure database - Inbound security rules

database - Inbound security rules

Network security group

+ Add Default rules

Updating

Search inbound security rules

PRIORITY	NAME	SOURCE	DESTINATION	SERVICE	ACTION
100	SSH	Any	Any	SSH (TCP/22)	Allow
110	MYSQL	Any	Any	MySQL (TCP/3306)	Allow

if we try now to connect to our database server,

2:42:28 / 7:58:46 • De...

Scroll for details

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Secure | https://portal.azure.com/#resource/subscriptions/a3eee433-bf80-45b8-acae-b581d33f6a40/resourceGroups/live-demo/providers/Microsoft.Network/networkSecurityGr...

Microsoft Azure database - Inbound security rules

database - Inbound security rules

Network security group

+ Add

PUTTY Configuration

Category: Session

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address): 22

Port: 22

Connection type: SSH (selected)

Load, save or delete a stored session

Saved Sessions

Default Settings

Close window on exit:

Always (radio button selected)

Never

Only on clean exit

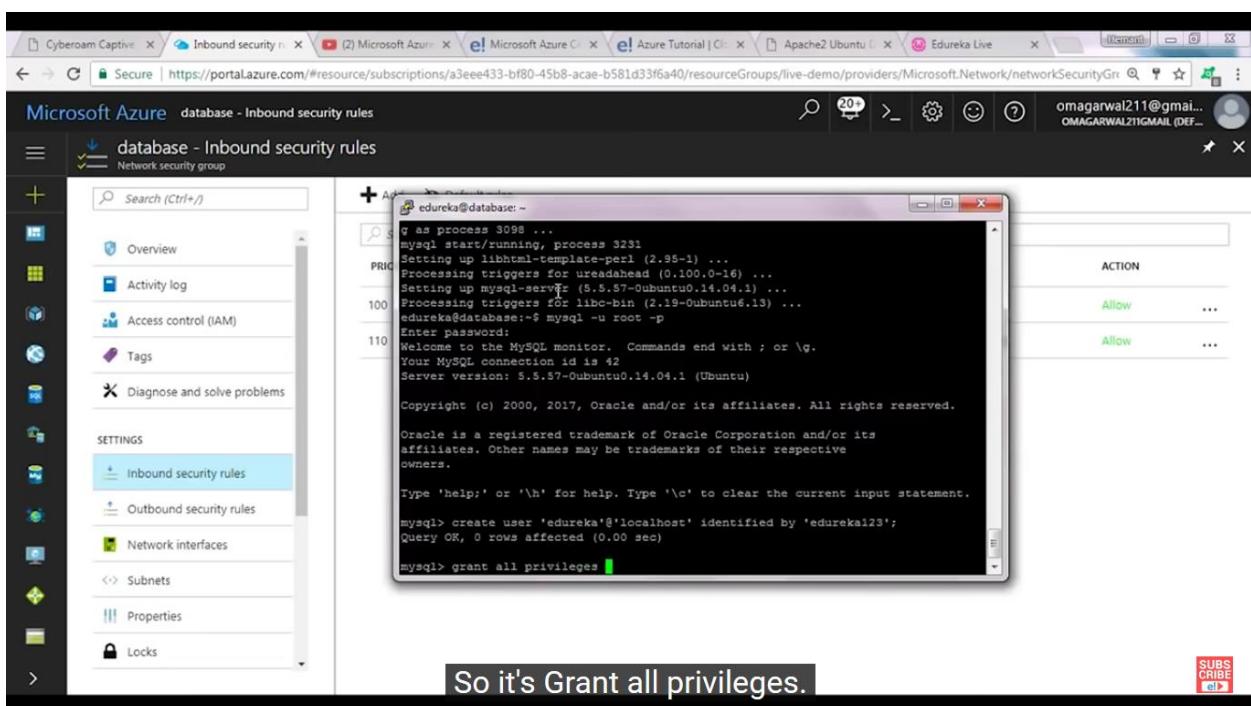
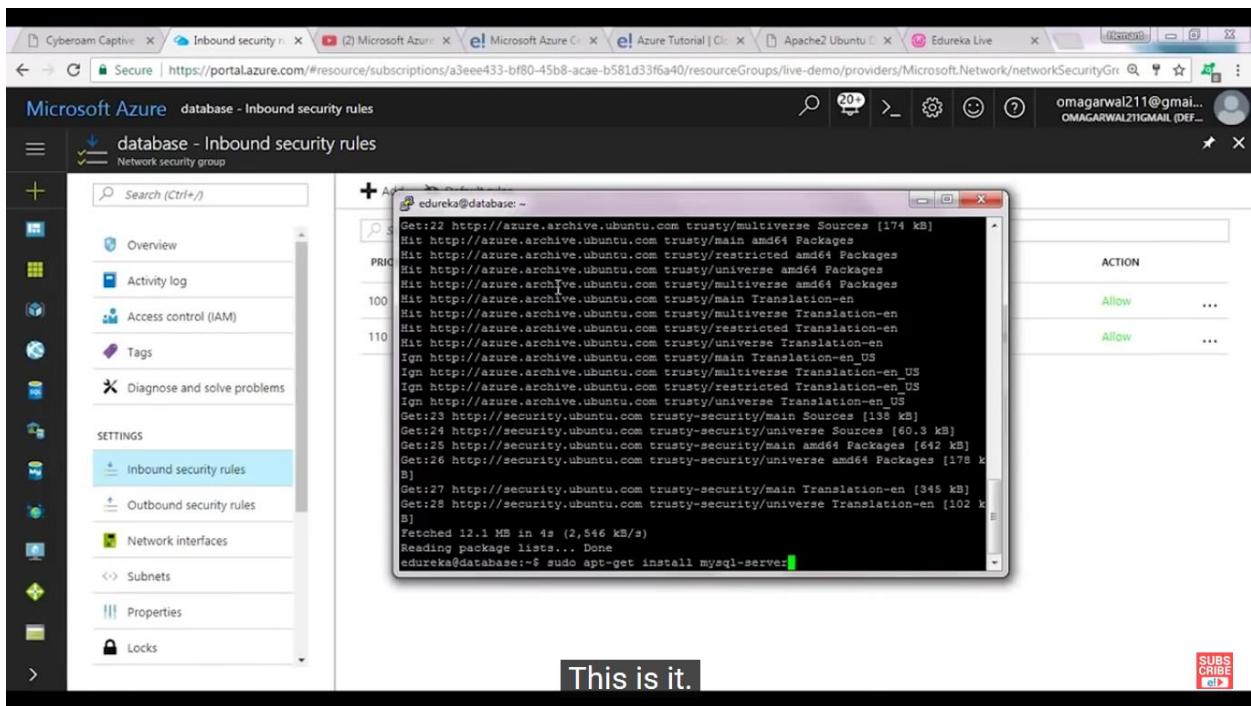
Created security rule
Successfully created security rule 'MYSQL'.

8:33 PM

SERVICE	ACTION
SSH (TCP/22)	Allow
MySQL (TCP/3306)	Allow

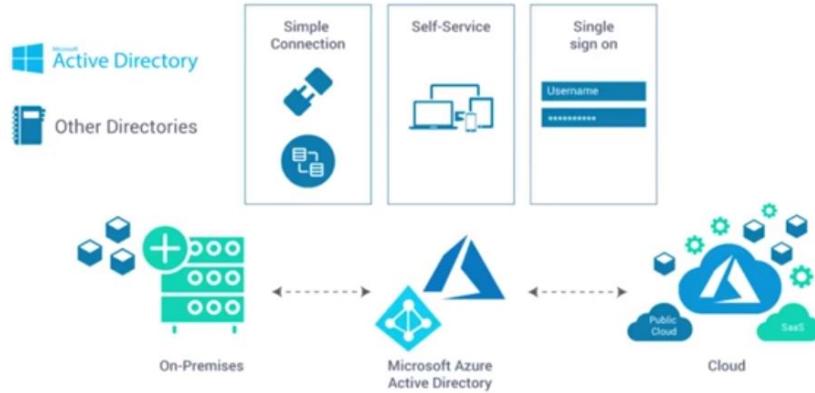
I will be able to do so,

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What Is Azure Active Directory?

Azure Active Directory (Azure AD) is Microsoft's multi-tenant, cloud-based directory, and identity management service that combines core directory services, application access management, and identity protection into a single solution.



edureka!

in this way suppose.

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Windows AD Vs Azure AD



Active Directory



Azure Active Directory



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these organizations your windows
Azure access control services.

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Service Audience

IT Administrators

Online Customers

Application
Developers

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but your Microsoft
Azure active directory

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MI

www.edureka.co/microsoft-certified-azure-solution-architect-certification-training

Data Lake Concepts

Azure Active
Directory Tenants

Tenant means an organisation

It is a dedicated instance of Azure AD service

Microsoft ensures each of these Tenants is
isolated and separate

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This is where your Azure
active directory steps in.



Check Out Edureka's
Microsoft Azure Curriculum

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www.edureka.co/microsoft-certified-azure-solution-architect-certification-training

The screenshot shows a web browser window with the URL <https://docs.microsoft.com/en-us/azure/active-directory/active-directory-whatis>. The page title is "Active Directory Forum". On the left, there's a sidebar with navigation links for Azure Active Directory Documentation, Overview, What is Azure Active Directory?, About Azure identity management, Understand Azure identity solutions, Choose a hybrid identity solution, Associate Azure subscriptions, Residency and data considerations, FAQs, What's New, Get started, How to, and a Download PDF link. The main content area discusses Azure Active Directory Basic, Premium P1, and Premium P2 editions. A large callout box in the center says "you also have access to quite a few things". On the right, there are links for Feedback, Edit, Share, Dark mode, In this article, Choose an edition, How reliable is Azure AD?, and Next steps. A "Is this page helpful?" poll is present, and a "SUBSCRIBE" button is at the bottom right.

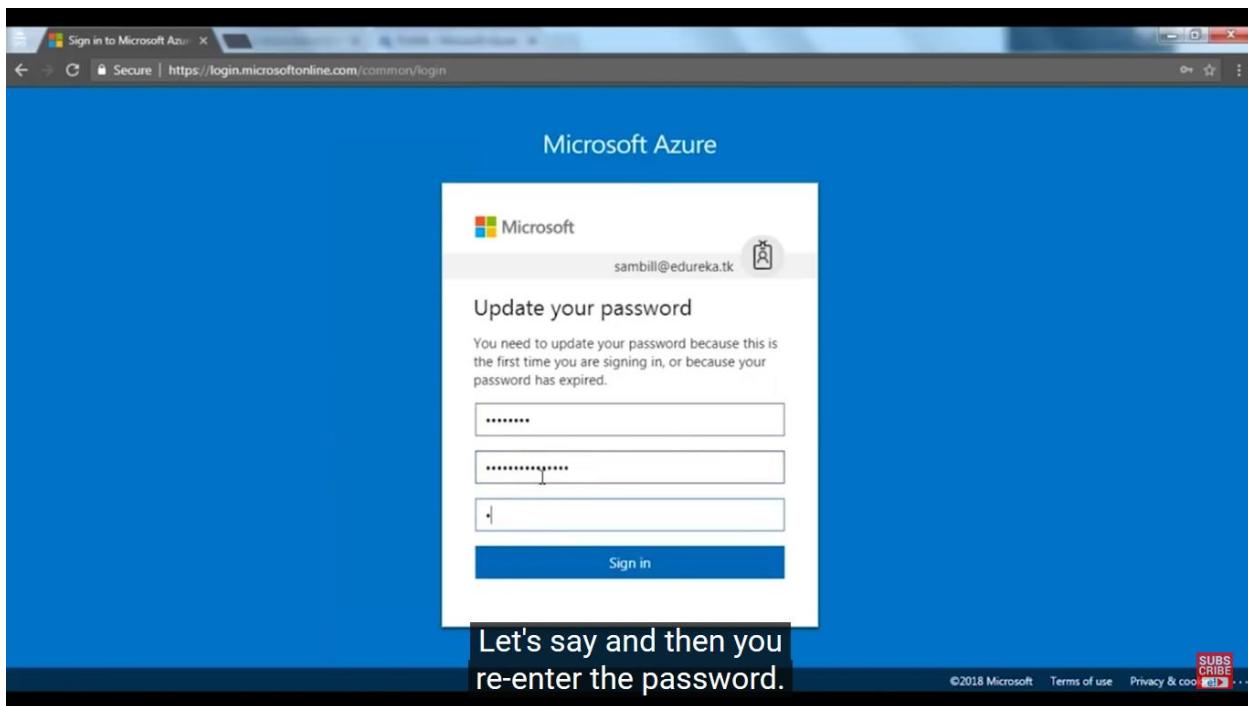
BEFORE

The screenshot shows the Microsoft Azure portal with the URL https://portal.azure.com/#blade/Microsoft_AAD_IAM/UsersManagementMenuBlade/All%20users. The page title is "Users - All users". The left sidebar includes "Create a resource", "All services", "FAVORITES", "Load balancers", "Resource groups", "Storage accounts", "Azure Cosmos DB", "Virtual networks", "Azure Active Directory", "Monitor", "Security Center", "Cost Management + B...", "Advisor", and "Help + support". The main content area displays a table of users with columns: Name, User Name, User Type, and Source. The table lists several users, including Chris, Chris Pratt, garry, Nicky Martine, rishabh.pathak, Sippy Shetty, subhani, suk, and sukanya sanyal. A callout box in the center says "about all these things to give you a start.". A "SUBSCRIBE" button is at the bottom right.

NAME	USER NAME	USER TYPE	SOURCE
b79e7ddb-b5e8-46a1- 1	omagarwal211@gmail.com	Member	Azure Active Directory
Chris	chris@edureka.tk	Member	Azure Active Directory
Chris Pratt	ChrisPratt@edureka.tk	Member	Azure Active Directory
garry	garry@edureka.tk	Member	Azure Active Directory
Nicky Martine	nicky@edureka.tk	Member	Azure Active Directory
rishabh.pathak	rishabh.pathak@edureka.co	Guest	Azure Active Directory
Sippy Shetty	sipshe@edureka.tk	Member	Azure Active Directory
subhani	subhani@edureka.tk	Member	Azure Active Directory
suk	suk@omagarwal211@gmail.onmicrosoft.com	Member	Azure Active Directory
sukanya sanyal	sukanya@omagarwal211@gmail....	Member	Azure Active Directory

The screenshot shows the Microsoft Azure portal interface. On the left, the navigation menu includes 'All services', 'Azure Active Directory', and 'User'. The main area displays a 'User' blade for 'SamBill@edureka.tk'. The 'Directory role' section is open, showing 'Global administrator' selected. A modal window titled 'Directory role' provides information about global administrators. The bottom right of the screen has a watermark: 'because you would be required to go ahead and login'.

The screenshot shows the Microsoft Azure portal interface. The navigation menu includes 'All services', 'Azure Active Directory', and 'Profile'. The main area displays a 'Profile' blade for 'Sam Billings - Profile'. The 'Identity' section shows 'Name: Sam Billings' and 'User name: SamBill@edureka.tk'. A watermark at the bottom right says: 'I won't get into the details of these things,'.



A screenshot of the Azure portal showing the Azure Active Directory overview page. The left sidebar lists services like Virtual machines, Load balancers, Resource groups, Storage accounts, Azure Cosmos DB, Virtual networks, Azure Active Directory, Monitor, Security Center, Cost Management + B..., and Advisor. The main content area shows the "omagarwal211gmail (default directory) - Overview" page for Azure Active Directory. It includes sections for "Overview", "Manage" (with options for Users, Groups, Enterprise applications, Devices, App registrations, Application proxy, Licenses, Azure AD Connect, and Custom domain names), "Sign-ins" (with a note about needing Azure AD Premium P1 or P2 and a "Start a free trial" link), "What's new in Azure AD" (with a note about staying up-to-date with release notes and blog posts, and a link to view archive), "Your role" (Global administrator), "Find" (a search bar for users), "Azure AD Connect sync" (status: Not enabled, last sync: Sync has never run), and "Create" (options for User, Guest user, and Group). A large text overlay in the center says "I would be having an option called as switch directories." A "Switch directory" button is visible in the top right of the main content area.