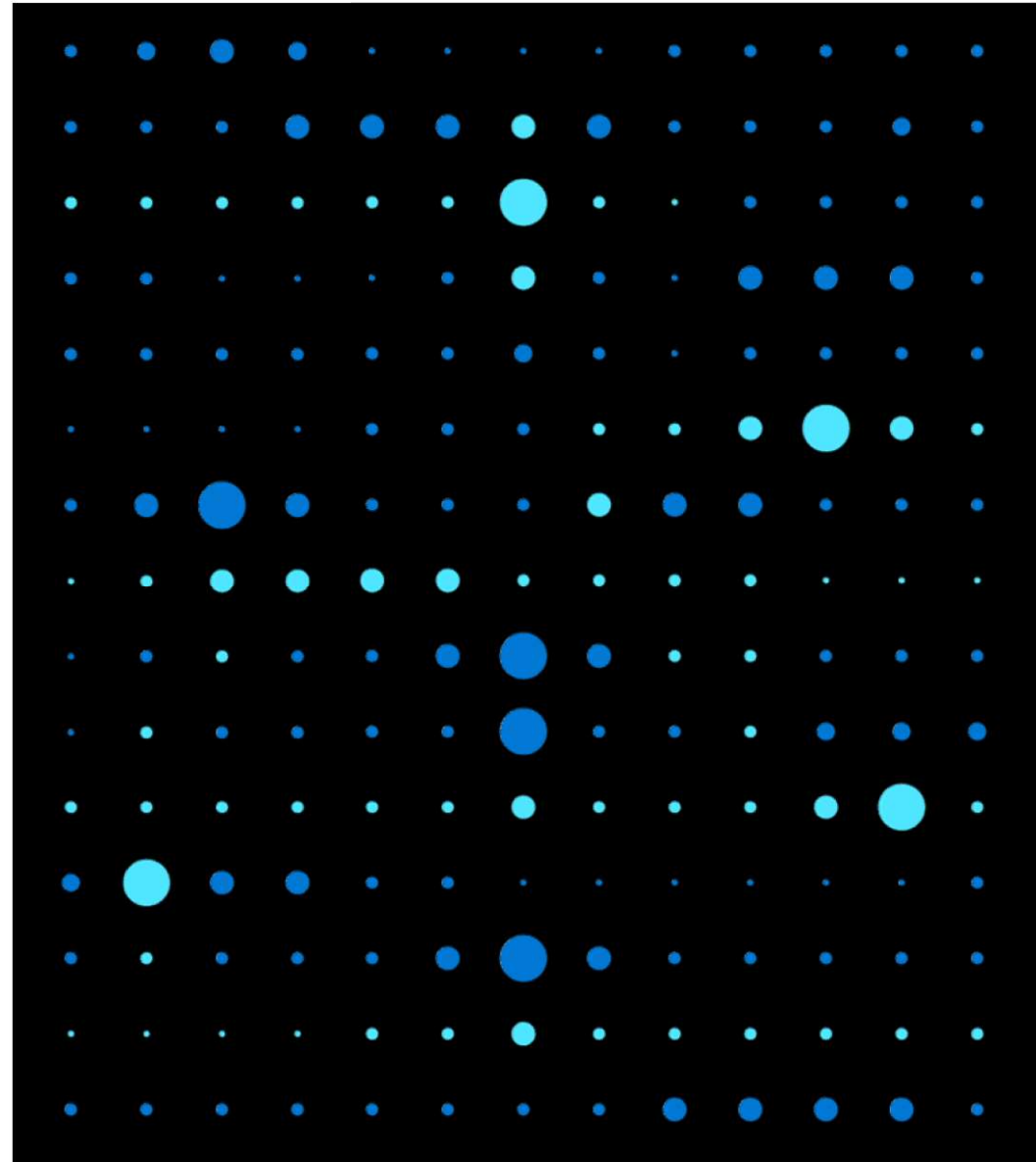
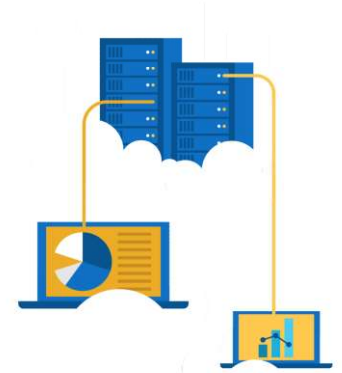


Microsoft Azure Core Services

Atin Gupta



Module: Explore Core Azure architectural components



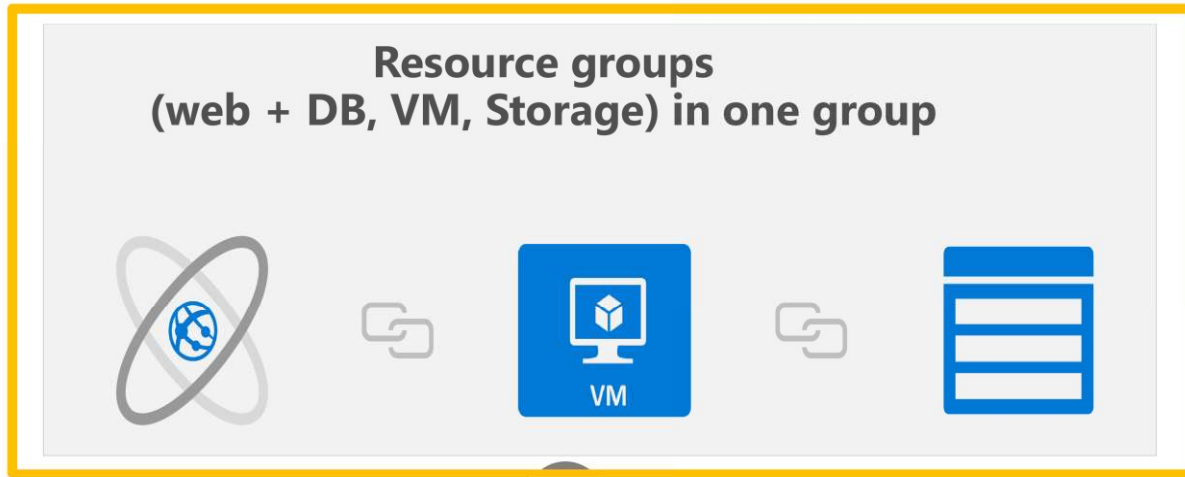
Examine Regions

- Provides flexibility and scale.
- Preserves data residency.
- Select regions close to your users.

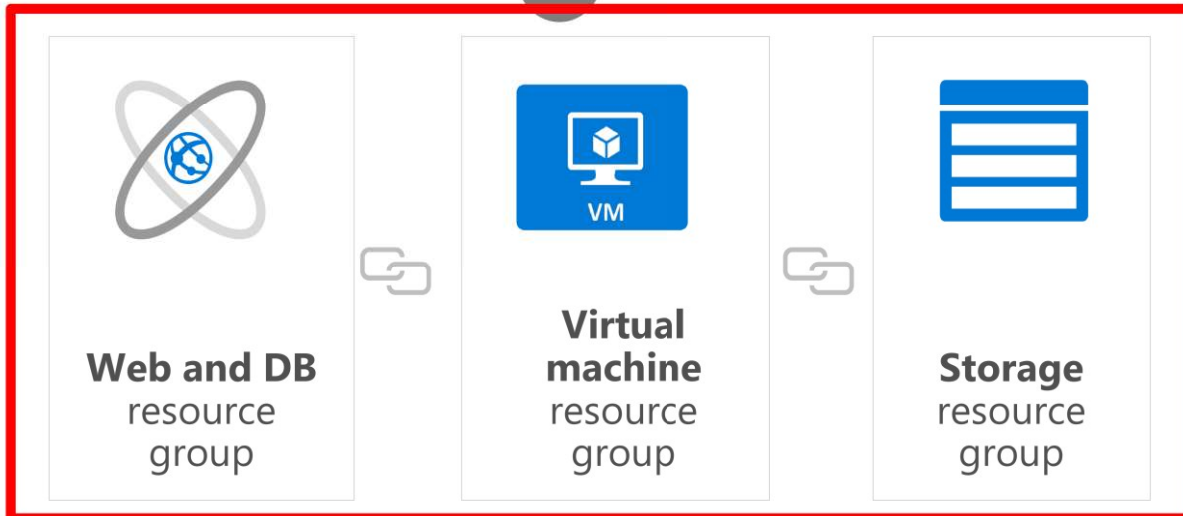


Worldwide there are 50+ regions
representing 140 countries

Explore Resource groups

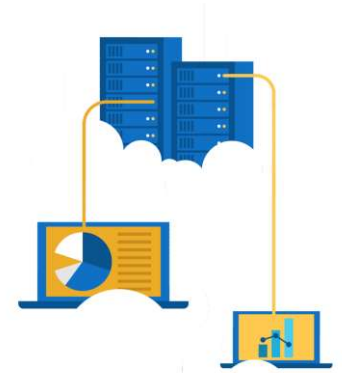


OR










Containers for multiple resources that share the same life cycle.

Module: Define Core Azure services and products



Define Azure compute

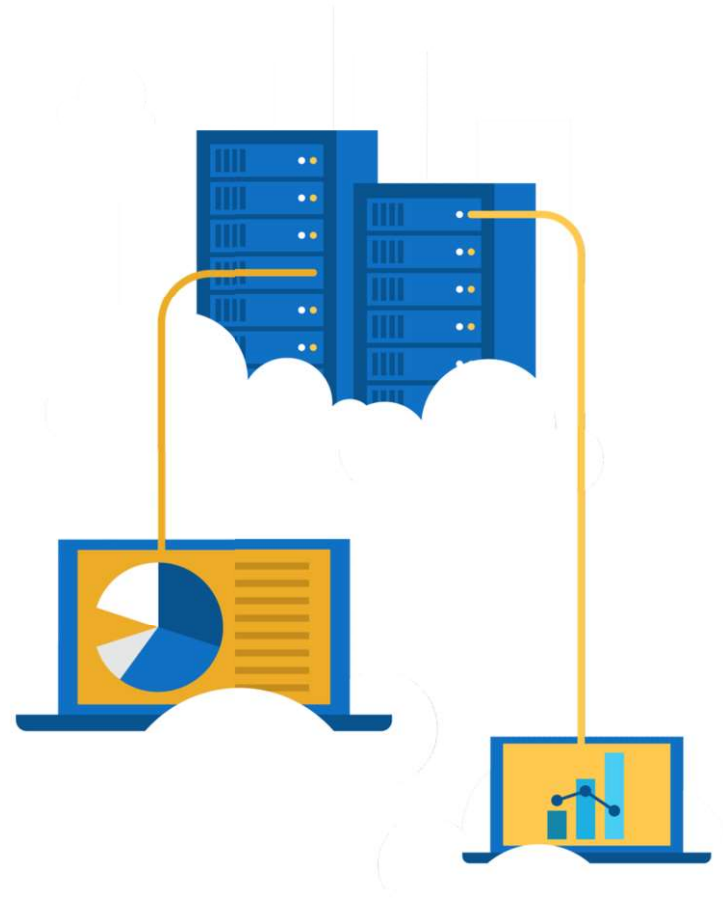
- On-demand computing resources such as disks, processors, memory, networking, and operating systems.
- Makes resources available in minutes or seconds.

| | | |
|------------|--|---|
| Everything | COMPUTE (28) | |
| General | | |
| Compute |  Virtual machines | ★ |
| Networking |  Virtual machine scale sets | ★ |
| Storage |  Function App | ★ |
| Web |  App Services | ★ |
| Mobile |  Kubernetes services | ★ |
| Containers |  Availability sets | ★ |
| Databases | | |
| Analytics |  Disks | ★ |

Walkthrough – Create a Virtual Machine

Create a virtual machine, connect to the virtual machine

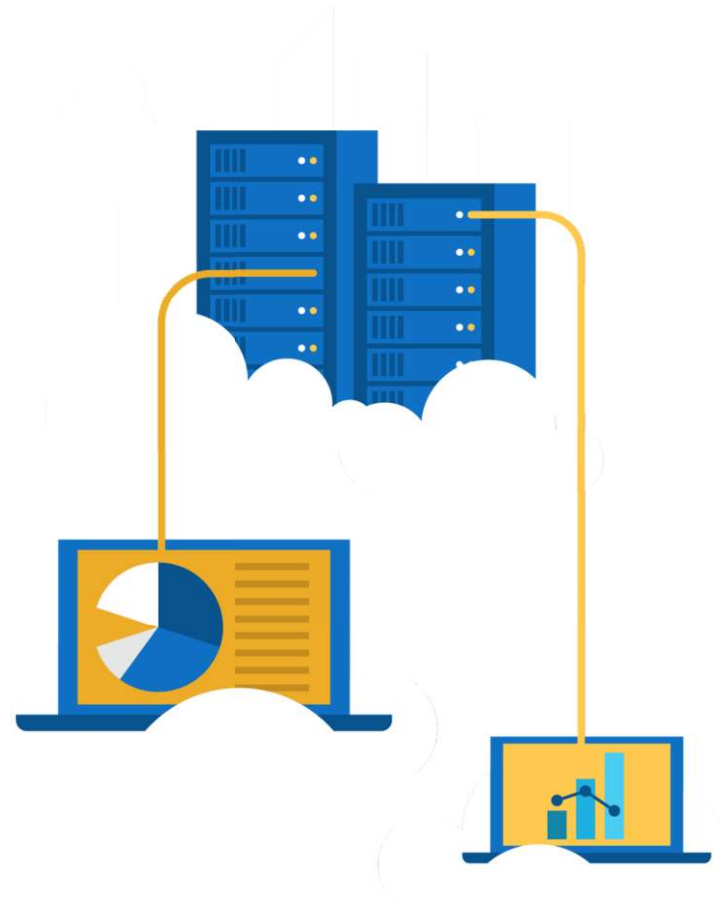
1. Create the virtual machine.
2. Connect to the virtual machine.



Walkthrough – Create a virtual network

Create a virtual network with two virtual machines and then test connection between the machines.

1. Create a virtual network.
2. Create two virtual machines.
3. Test the connection.



Explore Azure storage services

IaaS

Disks



Files



Containers



PaaS

Tables



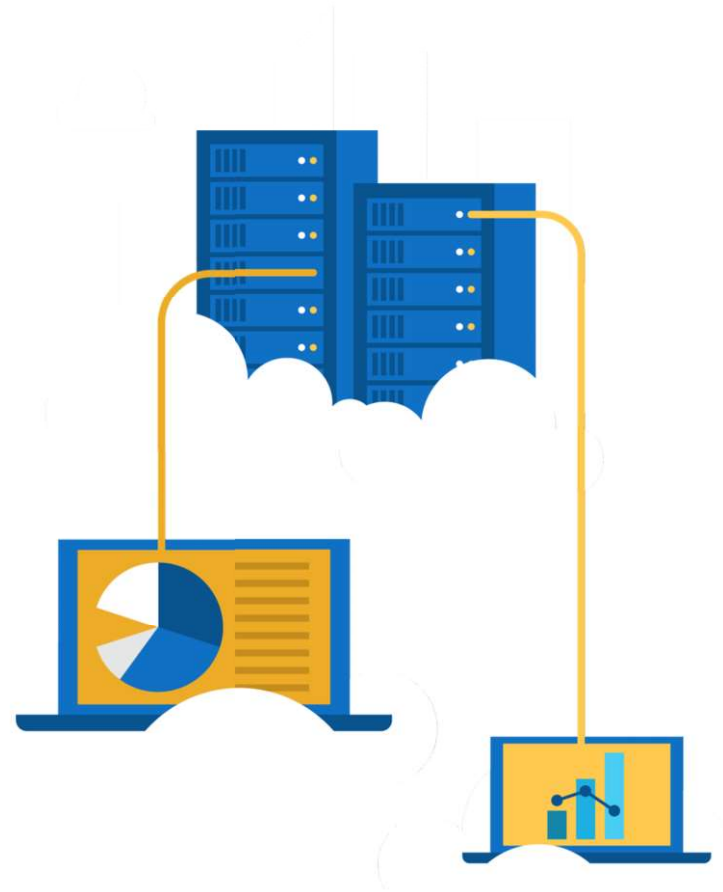
Queues



Walkthrough – Create Blob storage

Create a storage account with a blob storage container. Work with blob files.

1. Create a storage account.
2. Work with blob storage.

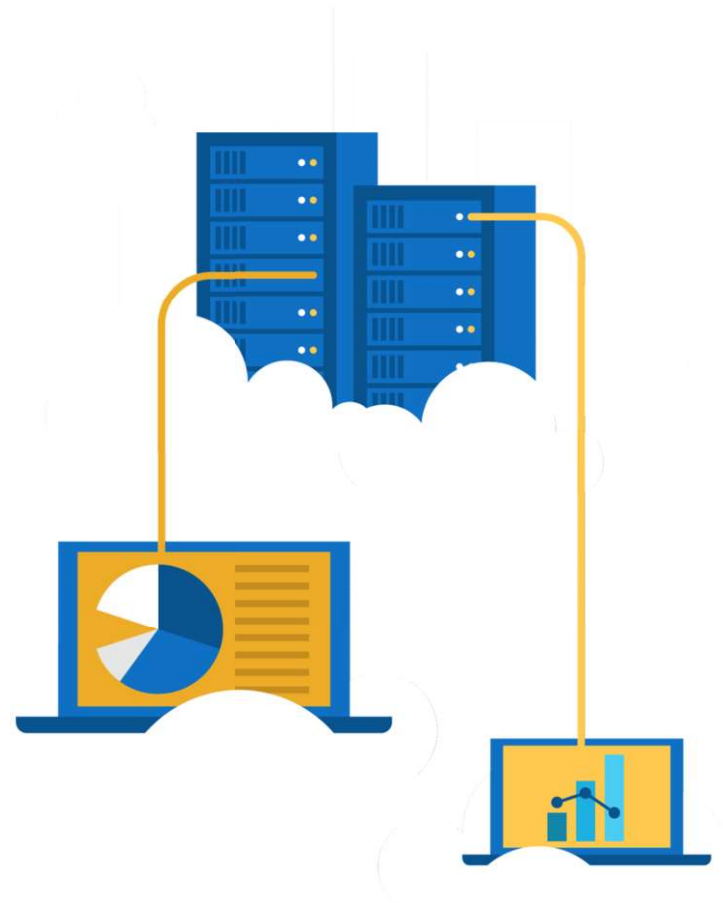




Walkthrough – Create a SQL database

Create a SQL database in Azure and then query the data in that database.

1. Create the database.
2. Query the database.



Thanks