



App





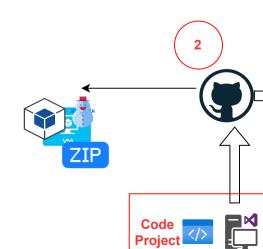
SQL



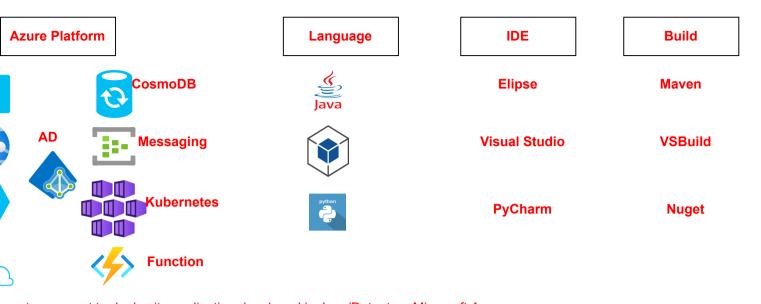
AP TC NO

A customer want t

- *Customer DO N
- * We want to Dep
- * Developer put the state of th
- * Whenever Load Scal out



Azure Solutions Developer



customer want to deploy its application developed in Java/Dotnet on Microsoft Azure latform.

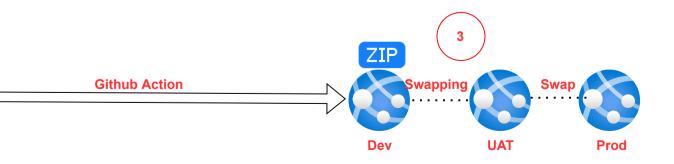
Customer want to implement security checks like own Antivirus, services ardening etc.

ACHE MCAT SNIX WEBSITE

- 1. Create VM
- 2. Connect to VM with Public IP
- 3. Install IIS webserver
- 4. 4. Put our Code in Virtual Folder
- 5. Connect with public IP

o deploy its application developed in Java/Dotnet on Microsoft Azure Platform.

OT WANT TO MANAGE BACKEND INFRA (OS ,SCALING) / Use App Service with Code Base loy the code first in Dev , then UAT and the in Prod / Create single app with three Deployment Slots heir code in GitHub , so Azure service should able tp pull code from GitHub and deploy it. / Github Action oblem occur Developer should able to do some basic troubleshooting / Kudu Console increases on App it should automatically Scale (Increase CPU/Memory or Create another instance) / Scale in an



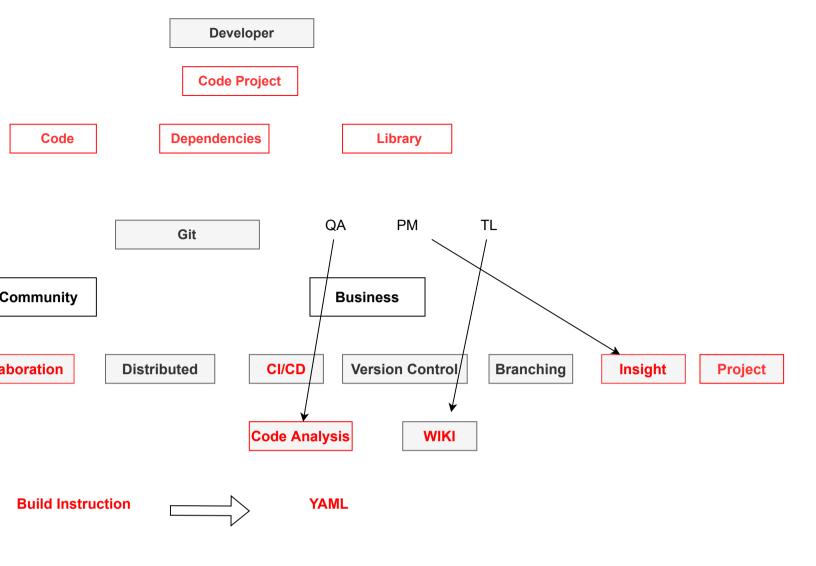


Repo

Coll

- 1. Where we use
- 2. VM is IAAS o
- 3. Why we shou
- 4. As an develop
- 5. Which all lang
- 6. Customer war Time to load i Application Te

Create New Outlook/Hotmail Account
Go to https://portal.azure.com/ and Login
Open New Tab in same browser and type https://www.mic



VM and where we should use App?

r PaaS ? App is IAAS or PaaS?

d store our code / document in central repo like Github?

per we probably not aware how to create VM , Load Balancing , Network but i want to

? which service i should use in azure?

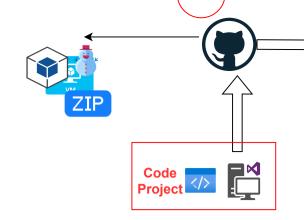
juage supported by App service?

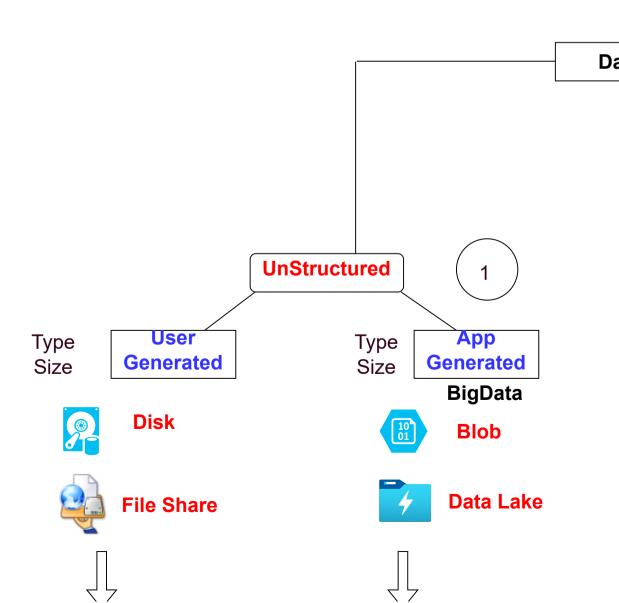
nt to monitor and capture various telemetry of the application including No of Session,

n browser, CPU and Memory Usages etc. whish tool Azure provide to Monitor

elemetry.

rosoftazurepass.com/





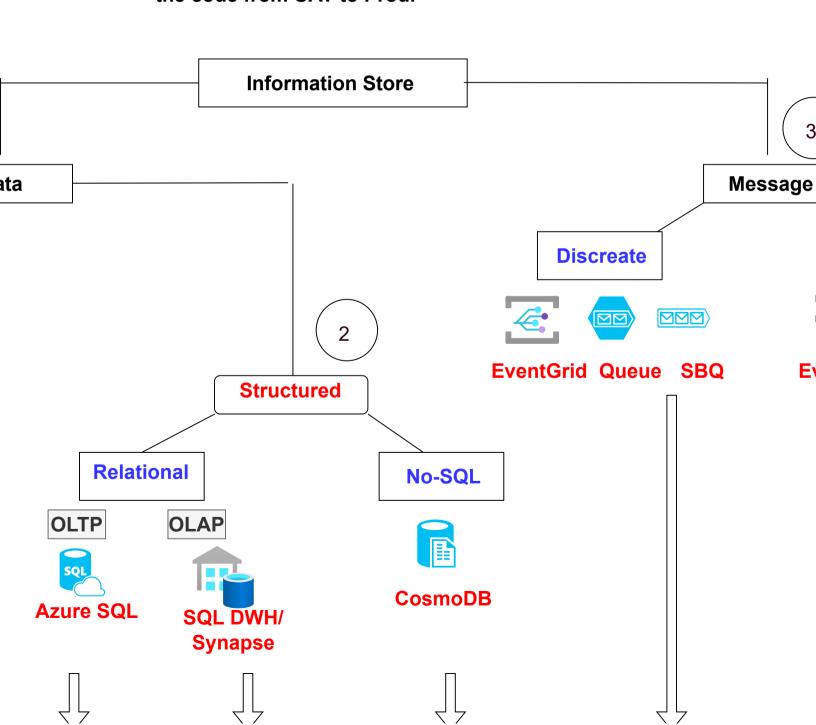




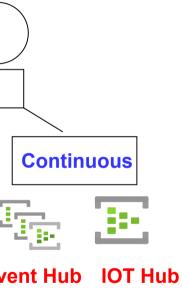


1

- In The app Service Create 2 Slots (Dev & UAT)
- . Click the Dev Slot --> Deployment Center
- . Connect Dev slot Deployment Center with Github
- Once Code from Git Hub Push to Dev App , we test it with Dev URL.
- Once we satisfied we click SWAP and SWAP the Code (Copy the Code from Dev to UAT.
- Now check the UAT URL and if we staisfy, we repete steps and swap the code from UAT to Prod.



le)

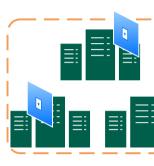


Azure Storage

LRS

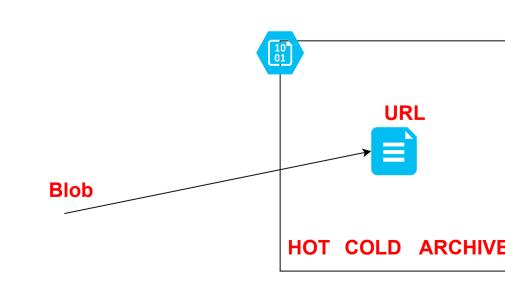


ZRS



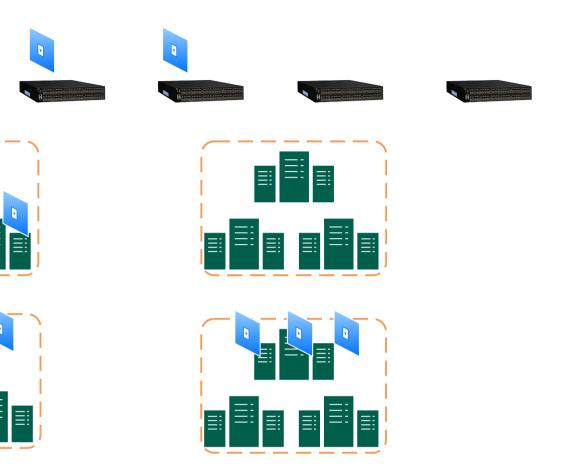
GRS





Premium: Fast Read & Write

Standard: OK Read & Write



Can we store a file / image / video which is more then 100 GB in local disk?

What is the size of Bahubali Movie?



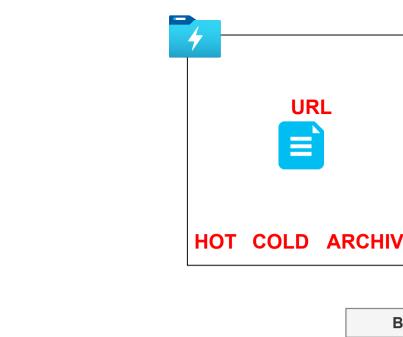


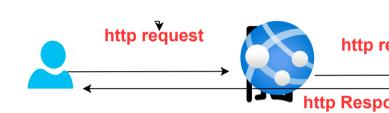




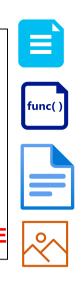
- Store single file which can upto 5 TB
- Every Blob (File) will have additional attribute like http URL
- You can pay as per Hot, Cold and Archive Data
- Blob Store the Data in Flat Hierarchy (No Folder / Sub Folder)
- No User-wise Permission

\vee			



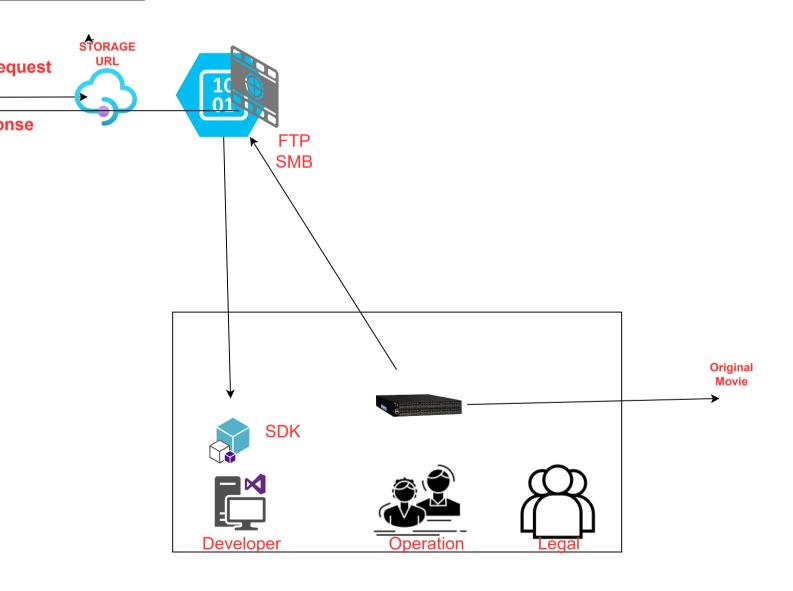


Relat



- Store single file which can upto 5 TB
- Every Blob (File) will have additional attribute like http URL
- You can pay as per Hot, Cold and Archive Data
- DataLake Store the can Store Data in Hierarchy (Folder / Sub Folder)
- Assign User-wise Permission (R,W,X)

lob Use Case



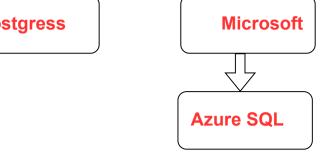
ional Data Storage

MySQL

Po

SQL Database

- No OS Control
- Only Database Not all Features of SQL



Managed Instance

SQL on VM

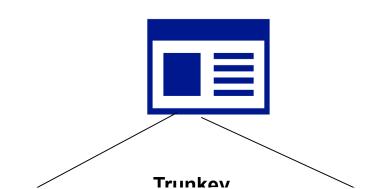
- No OS Control
- All Features of SQL
- Full OS Control
- All Features of SQL



NoSQL
IongoDB SQL Gramlin Casandra

MongoDB json

Collection

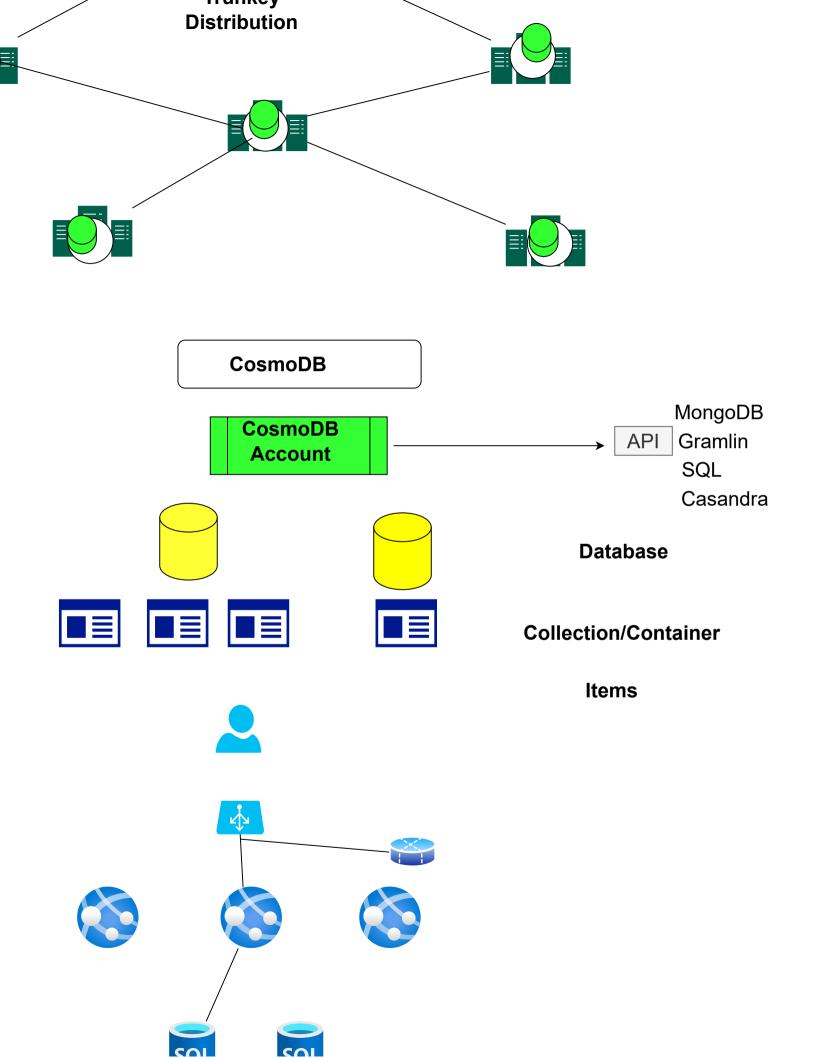


Age	Salary	
	Age	Age Salary

Text







Hi , Good Morning



Swati

Publisher

Publisher

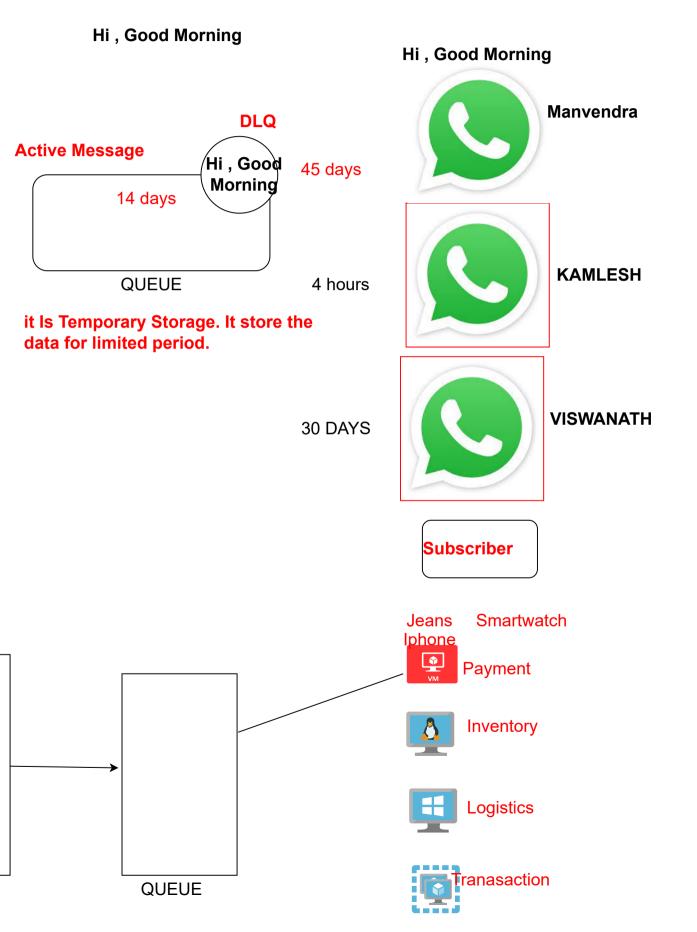








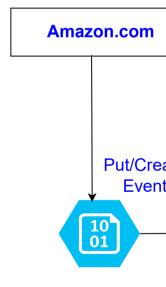




Storage Queue

Bigger Size Message





A customer need

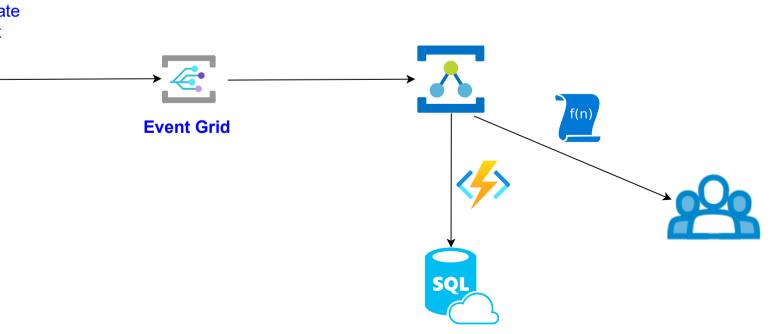
Queue Storage Service

Service Bus Queue

Avg Size Message



AyushAWs NishantAWs **SERVER LESS**



d to Deploy an Java App on Azure App Service.

They want a different Tea









CLI

PowerShell

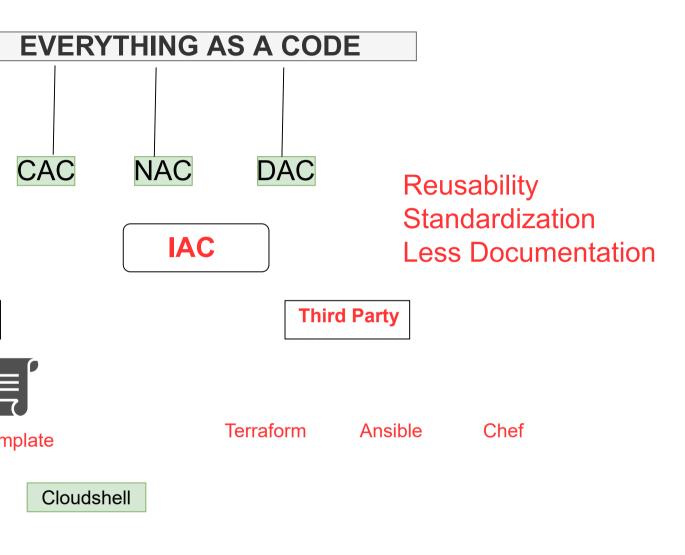
Local





Il your infra which you deploy should be replicated by their im as it is in their respective Azure Subscription..

impossible

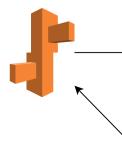


Every command in Azure CLI start with small az It follow Noun + Verb syntax You should use only defined Name of the Module

- Every command in Azure Powershell start with Action (New /Delete)
- It follow Verb+Noun syntax
- You should use only defined Name of the Module

```
Parame
{
    subscrip
    Resource
    Location
    VMname
    Image
    AdminU
    Passwo
    }
    Resource
    Resource
    Parame
```

How much confidence





ARM Library BICEP Library

ter

otion ceGroup

ser rd

се

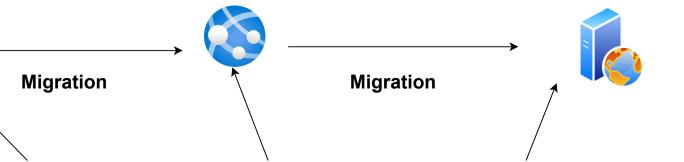
e: VirtualMachine

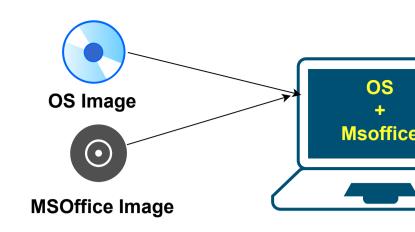
ter

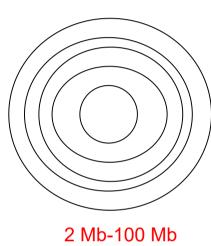
Variable

Subscription:

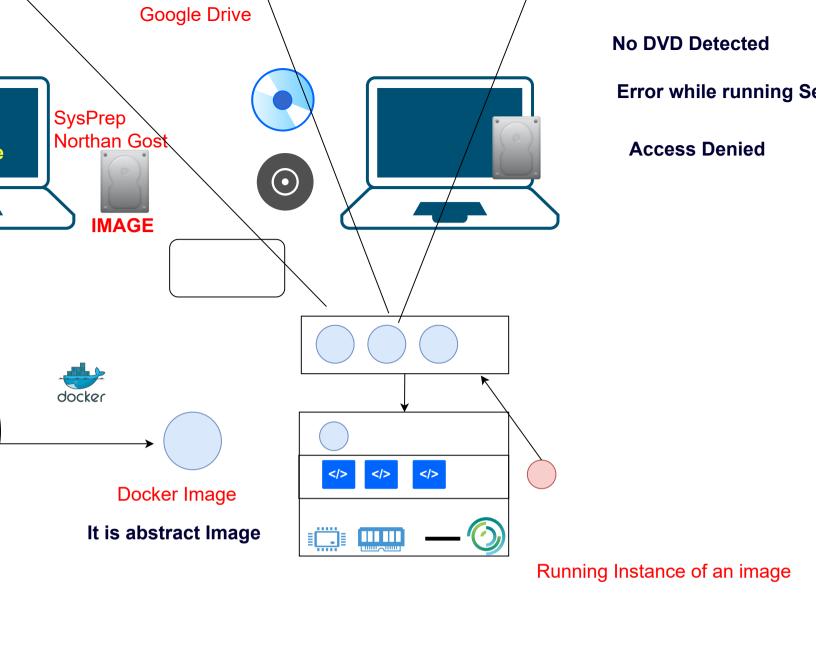
ce now you have that you can handle Azure?

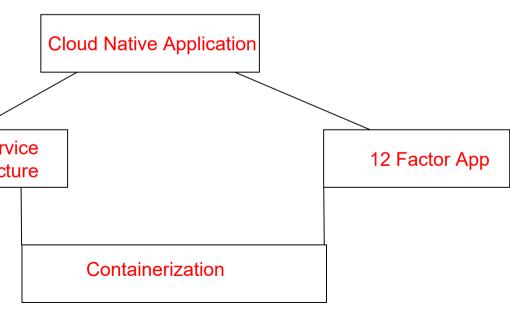






Microse Archited





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Azure Kubernetes Service





- ACI Best Used for Singl
- Used for Mostly Low To
- ACI Support Single serv
- No Scaling / No autohea



- 1. What is Image vs C
- 2. How many Contain
- 3. To create container
- 4. Can we download i
- 5. A company have m



e Image uched App / Testing App ver Iling

- AKS Best Used for Multi Container
- Used for Mostly used in Complex Production Deployment
- AKS Support Cluster
- Auto Scaling / autohealing

Application



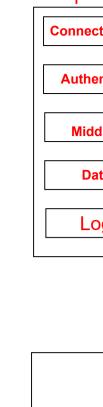


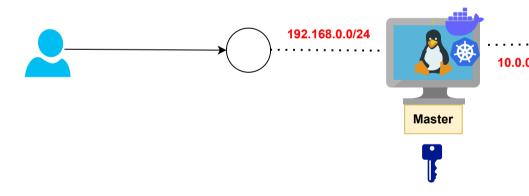
Container?

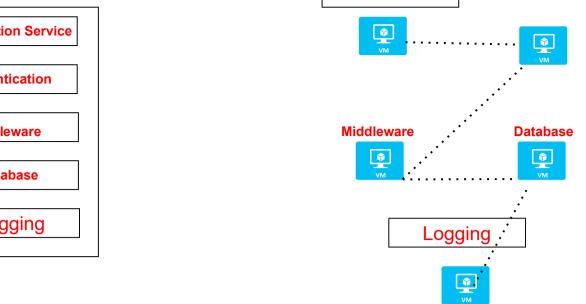
ere we can create with one Image?

from an image which command we use? Docker run mage from docker hub and run without any client?

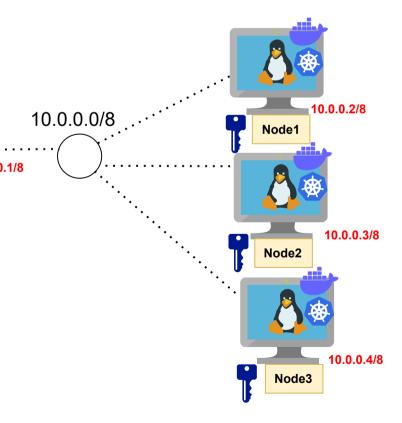
onolithic application like below



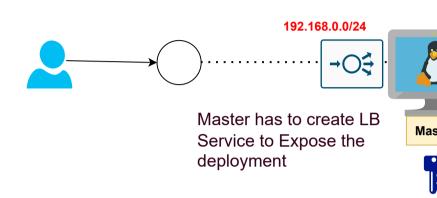




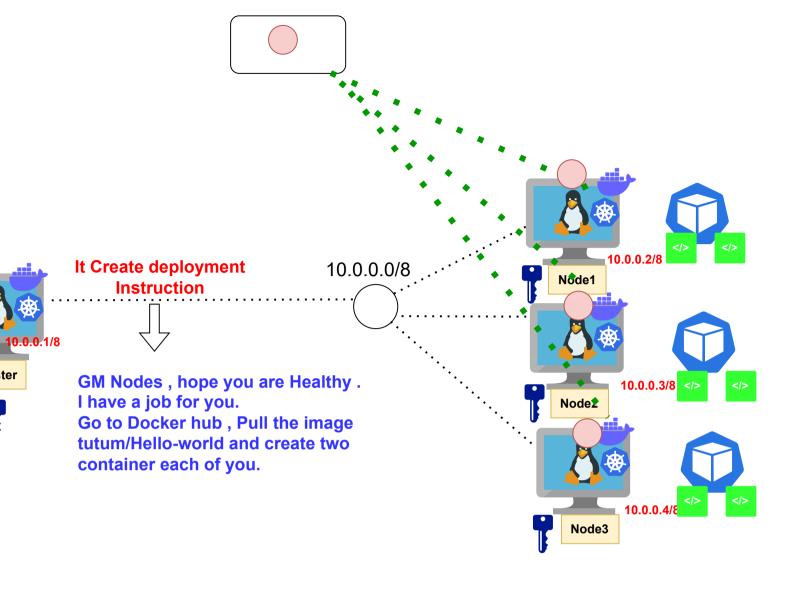
Azure Kubernetes Service



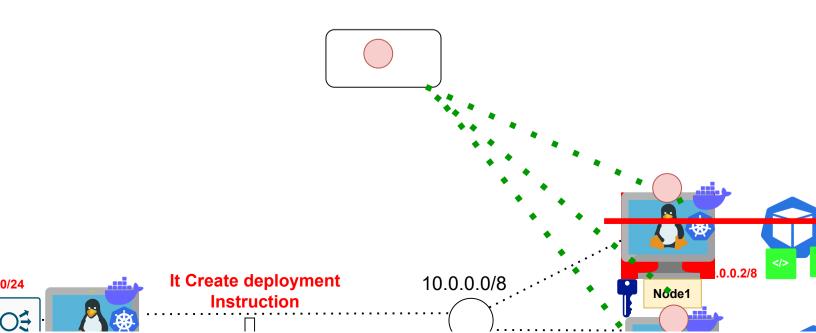
nage tutum Hello-world . i need 6 container to run. ion will be delivered by Load balancer



Pull and Run con For the outside u



tainer for Image tutum Hello-world . i need 6 container to run. ser application will be delivered by Load balancer

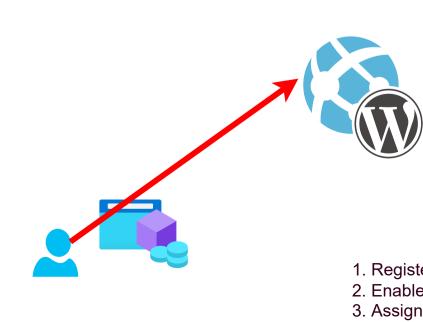


Master has to create Service to Expose deployment

Azı

- There is already Ku
- There is already ma
- Kubernetes in azure
 - You only
 - You will p

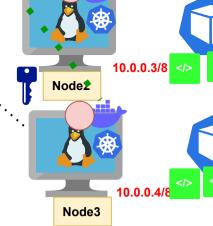
User need to access application





When one of the node become dead.

master instruct all remaining Node, to create additional container to maintain minimum threads hold

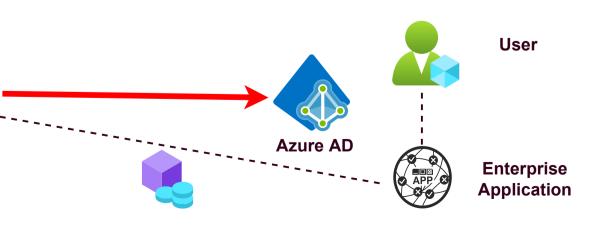


ure Kubernetes Service

bernetes cluster setup aster node configured e is free

have to add worker Node bay only for worker Node

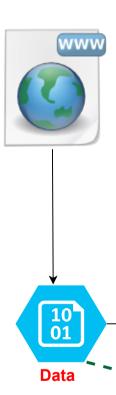
n when they get themself authenticated .



er your Application to azure AD Enterprise Application token based authentication this application to user.







teps

- . User > Invite User
- . From Mail -> Accepet Invitaion
- . Enterprise application -> Assing application to User
- . Go -> https://myapplications.microsoft.com/ and access app

Vipin Bipin Bipeen

