AZ-900 Prep Guide

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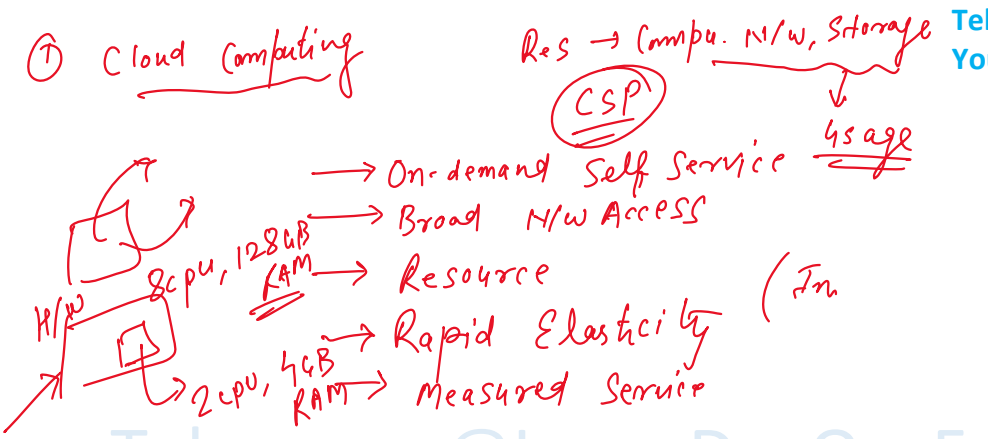

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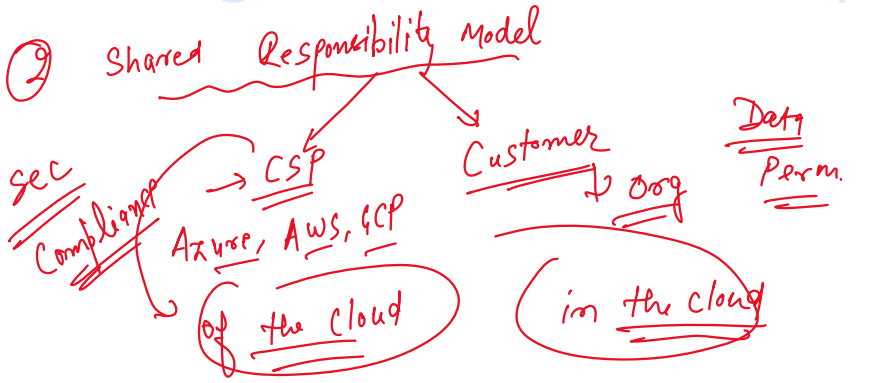

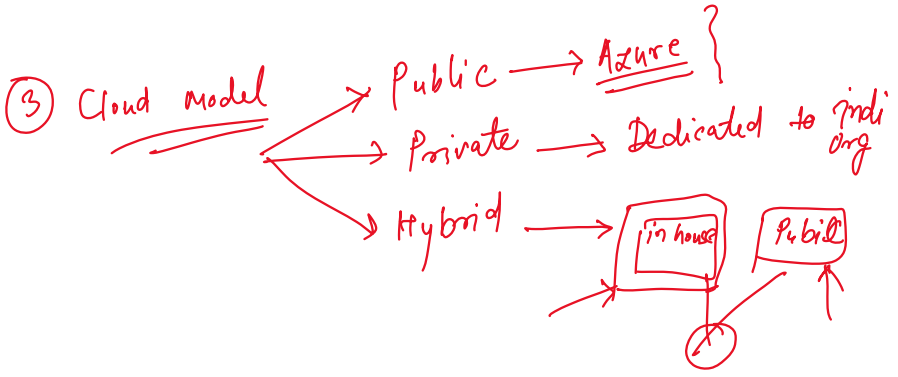

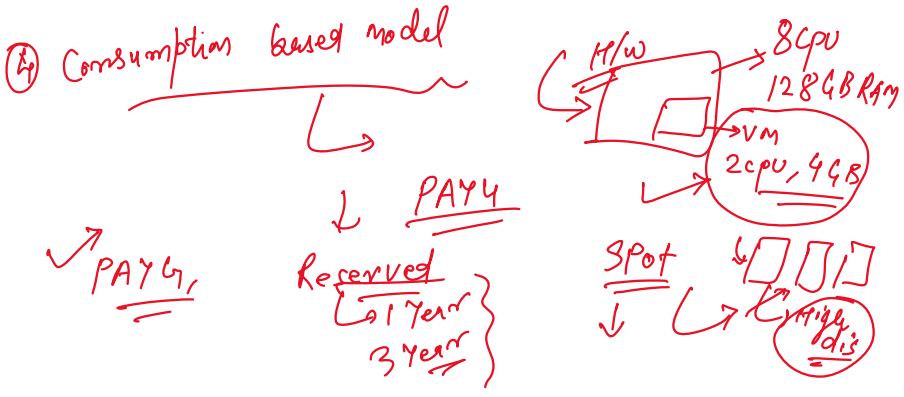

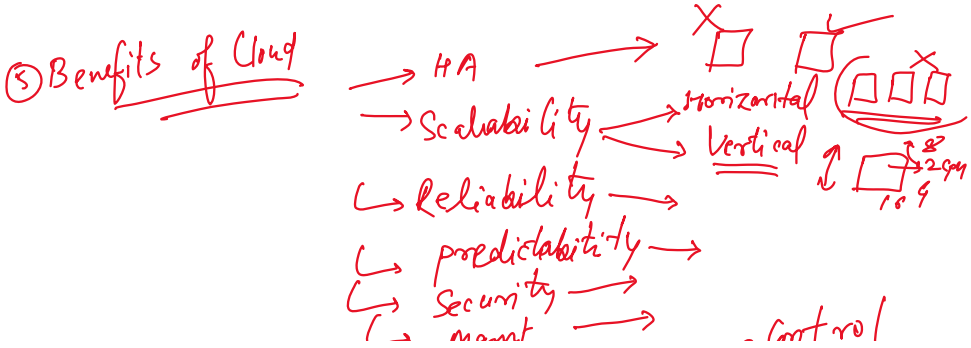

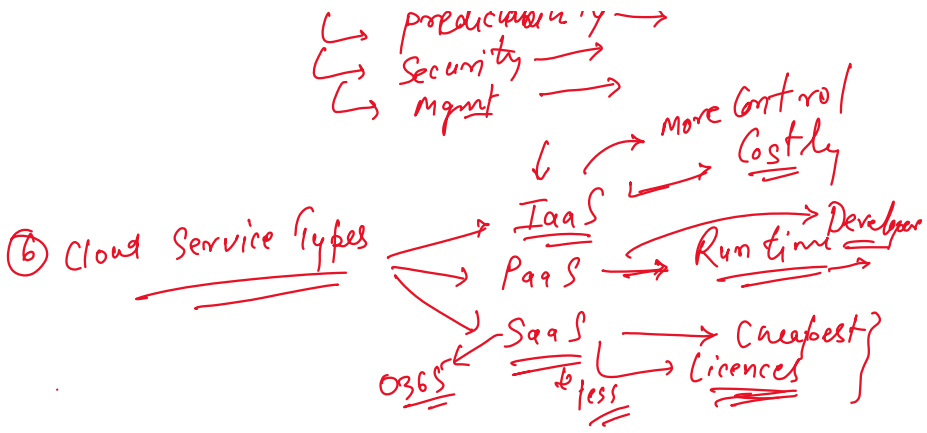

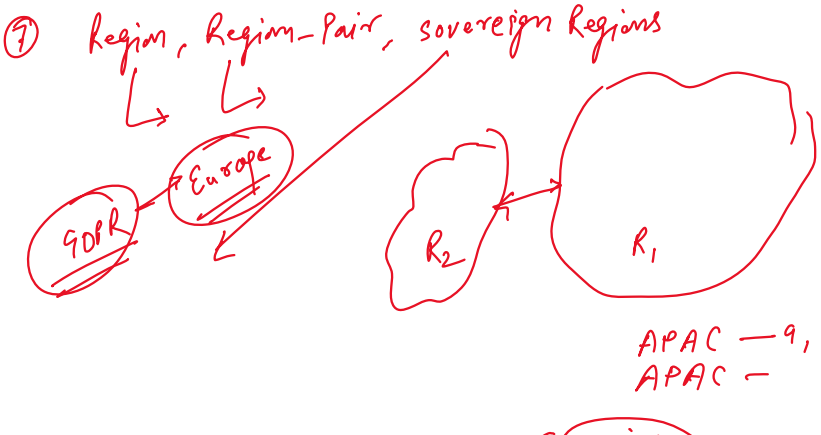

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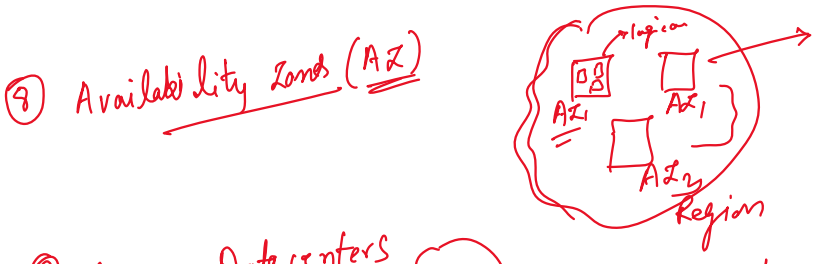

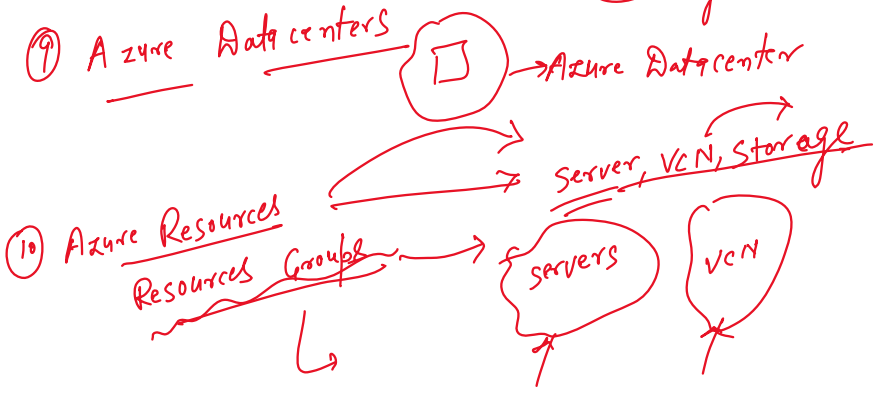

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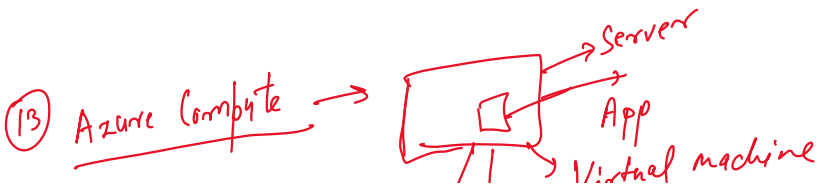

(13) Azure Compute → App, Virtual machine, Container, function

(14) Azure N/w Services → N/w, Subnets, Peering, DNS, VPN Gateway, Endpoints

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(15) Azure Storage Services →
- Blob Storage
- Azure Disk Storage
- Azure Files

(16) IAM (Security) → Identity Access, Security
- AAD ✓
- ARBAC (permission)
- Azure Defender for Cloud

(17) Azure mgmt & Govn. → Cost mgmt, Compliance, Governance
- Azure mgmt & Billing
- Azure Blueprint
- Azure Policy

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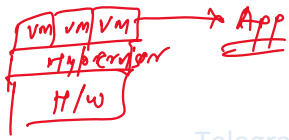
(18) container Instance →
- run containers
  - Lightweight
  - Portable

(19) VM → Application



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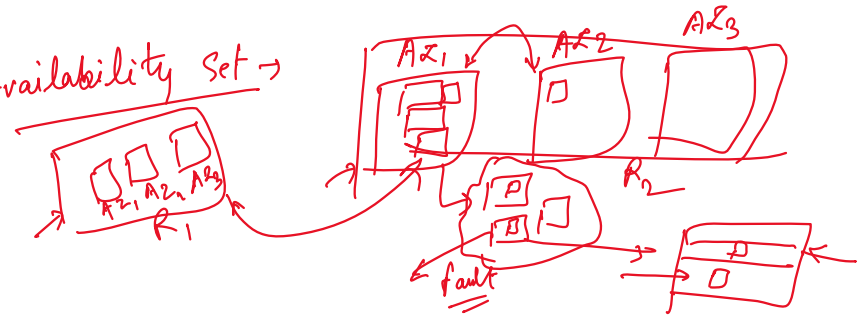
(20) Azure VM ss →

(21) Availability Set →

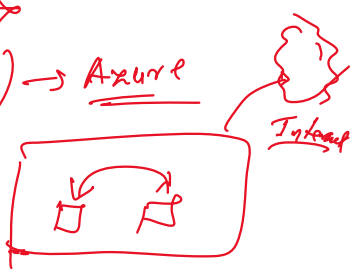


(22) Resource Required for VM →
- Storage (OS, Data)
- Networking
- Compute Resources (Config.)
  - CPU
  - RAM

(23) Application Hosting Options
- Azure App Service
- VM
- Containers
- functions

→ N/w →

(24) Virtual N/w / VCN → (VNet) → Azure
- Private N/w



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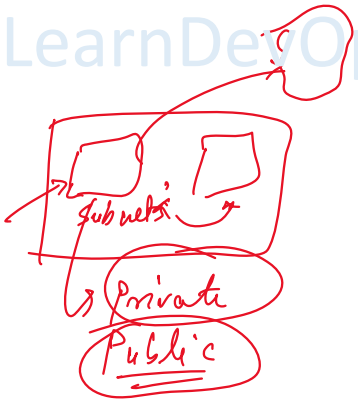
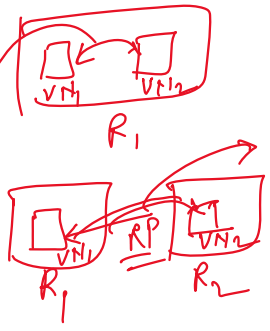
(25) Virtual Subnets →



(26) Peering
- Local
- Remote



(27) Azure DNS → Manage DNS Service in Azure

(27) Azure DNS → Manage DNS Service in Azure
↳ Host Domains

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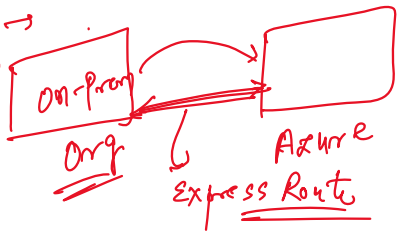
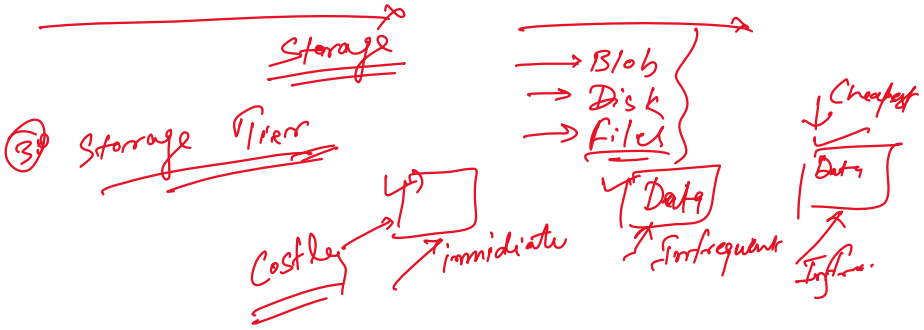
(28) Azure VPN Gateway →

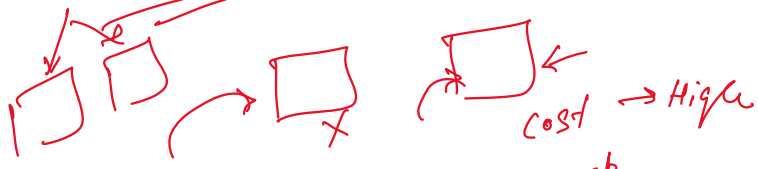


(29) Endpoints → Public
→ Private

(30) Storage Tiers



(31) Redundancy Options → Protection of Data



(32) Storage Acc Options & Storage Types
↳ Blob
↳ Disk
↳ files

(33) Option for moving files

↳ AzCopy
↳ Azure Storage Explorer
↳ Azure File Sync

34 Migration Options

org → Azure

AZ-900

→ Azure migrate
→ Azure Data Box

IAM

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35 Directory Services in Azure
- Azure AD
- Azure ADDS
- Azure AD Connect

36 Auth Methods in Azure → Validate Identity
- SSO
- MFA
- Passwordless

37 External ID & guest Access Azure
- Azure AD B2B Service

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38 Conditional Access in Azure AD → factor
- location
- devices
- Application

39 Azure Role Based Access Control (Azure RBAC)
- Roles → Permission

40 Zero Trust → No Access By default
- validates Users/Device before granting Access

(41) Purpose of defence in depth Model

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(42) Cost mgmt in Azure

- Azure cost mgmt & Billing Portal
- Azure Cost Analysis Tool
- Azure Pricing calculator

(43) factors that affects Cost

- Resource
- Region
- Usage
- Pricing model → PAYG ✓, Reserved ✓, spot ✗

(44) Pricing Calc. & TCO

- Estimation of cost of our resources
- Azure Sol^n
- VM

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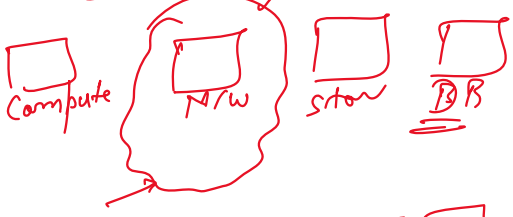
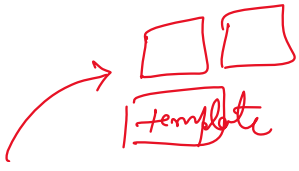
(45) Azure Cost mgmt & Billing tool

- track cost & Usage
- Save money

(46) Tags



(47) features & Tools
Govern & Compliance



(47) Features & Tools
↳ Govrn & Compliance
↳ Azure Blueprint → Template
↳ Azure Policy
↳ Reduce Mis conf.
↳ Enforce Org. Security

(48) Service Trust Portal
↳ Assess the Security Posture
↳ Identify areas where we can improve sec.

(49) Features & Tools for mgmt & Deploying Azure Resource
↳ Azure Portal ✓
↳ Azure Cloud Shell ✓ Cmd CLI
↳ Azure Arc ✓ On-Prem Resources
↳ ARM ✓ ← Create, manage, Deploys
↳ ARM Templates ✓
↳ Creation, Deployment } Automation

(50) Monitoring Tools Available in Azure
↳ Azure Advisor ✓
↳ Performance & Security
↳ Azure Health Service Health
↳ Provide info. about Azure Service Health
↳ Identify & troubleshoot Prob. for Azure Resources

Azure Monitor tool → service
↳ Collects & Analysis
↳ Perf., health, security

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Azure Monitor Alerts
↳ Corrective Actions

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Application Insights
↳ Performance Data
↳ Error Data
↳ Usage Data