

User Defin



Disk



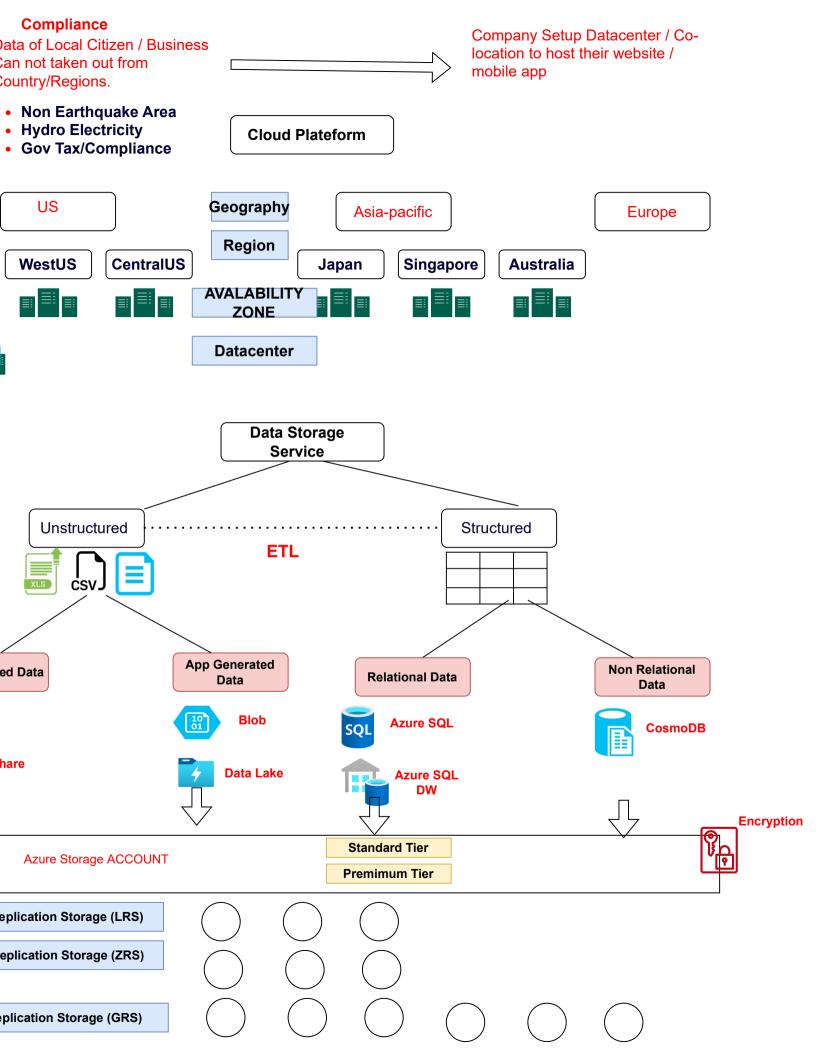




Local R

Zonal R

Geo Re



N

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Relational Database



1ySQL







PL-SQL

T-SQL

Requirement to Setup in Office

- Prepare Server in Office
- Install OS
- Hardening of OS
- Install SQL Software
- Configure SQL Application
- Create Database
- Create Tables in Database

Day to Day Admin Task

Manage Server Hardware Manage OS (Patch / Antivirus) **Manage SQL Application Storage for your Database Data**

Backup

On-Prem DB Replication **RDBMS** Win/Linux **RDBMS** Win/Linux

Azure SQL



Azure SQL Database



not Need to Manage Server/OS want automated Backup want Automated Performance Tuning want to Audit who is doing what only Database not other Features



Azure SQL Managed Instance

- I not Need to Manage Server/OS
- I want automated Backup
- I want Automated Performance Tuning
- I want to Audit who is doing what
- Full Database + Other Features Like Reporting / Analysis



SQL On VM

- I want complete control on Server/OS
- I want use my Backup schedule
- I want to Manage Performance Tuning
- I Full Database + Other Features Like Reporting / Analysysis

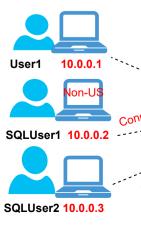


Azure SQL Database

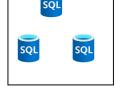
SQL Fir







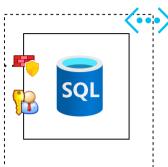




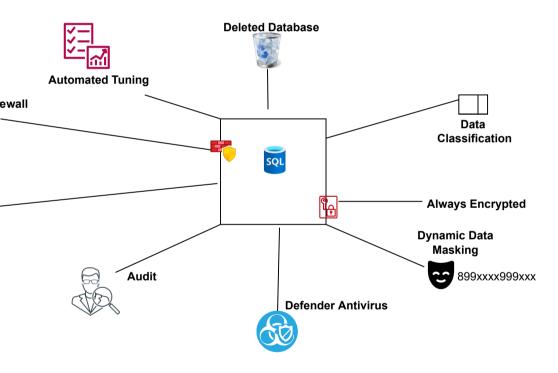
Single Database

Elastic Pool

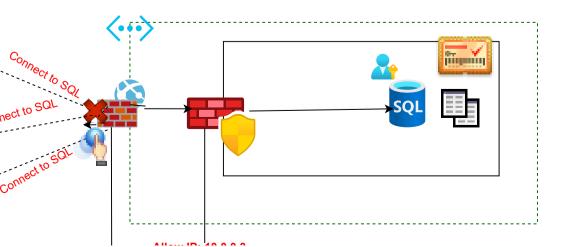
- No Server Provisioning
- No Installation
- Database can be up and running in 5 Min



- DDOS
- · Firewall Integration
- 1. User Attempt to Connect to Database from Client Tool
- 2. First it will be check in the allow list of IP /Service/Protocol at Virtual netw
- 3. It again going to check by SQL Firewall in its allowed List of IP
- 4. SQL Database Validate Username and Password

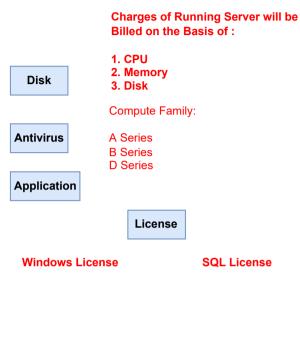


Defense in Depts





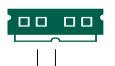
Allow IP: 10.0.0.3 Source IP: 10.0.0.2-10.0.0.3 **Destination:** SQLdemo.windows.net **Port**: 1433 Location: USA SQL on VM **Backup** Disk **Uptime Antivirus** Lift & Shift **Patching Application** As Is Migrate **Windows License** IAC ARM Terraform Ansible **JSON**





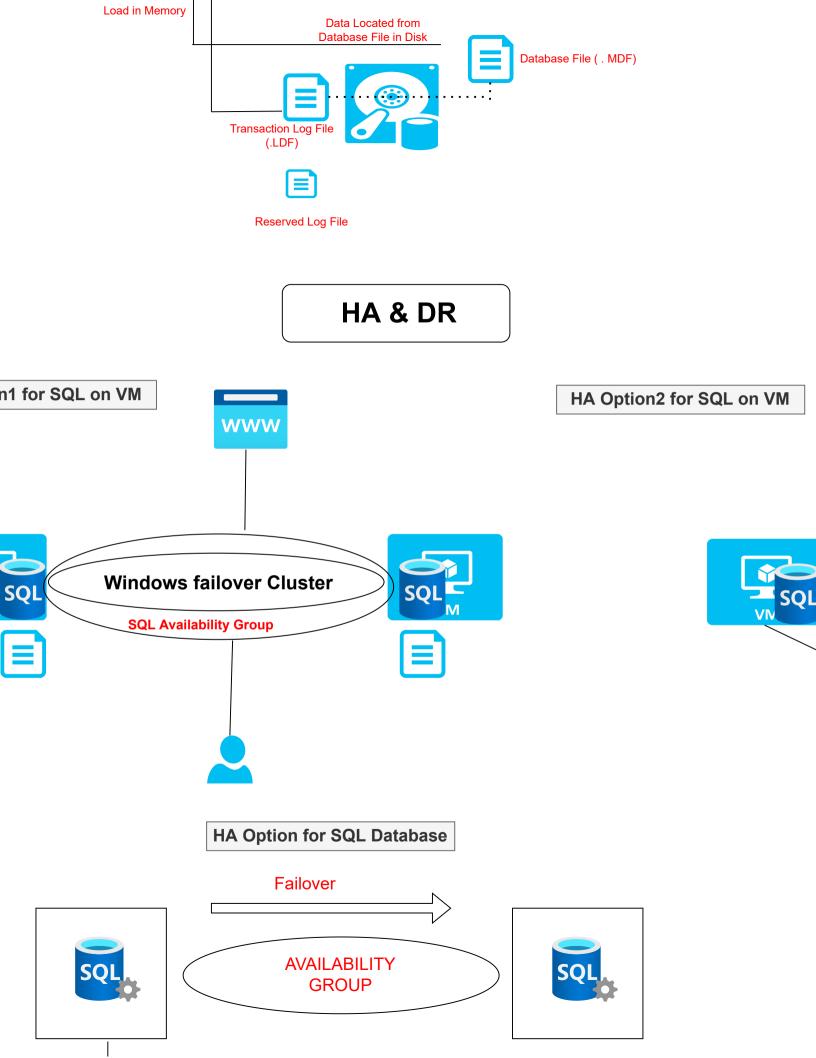
Select all Emp record

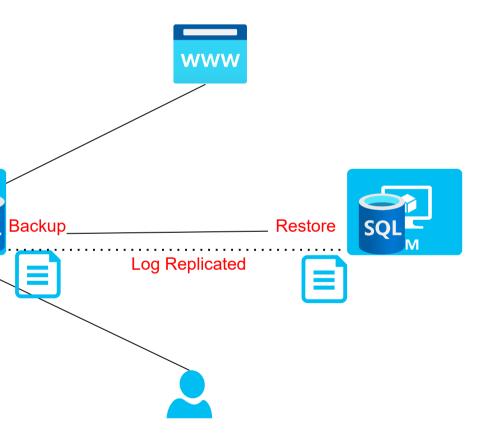
Update Emp John

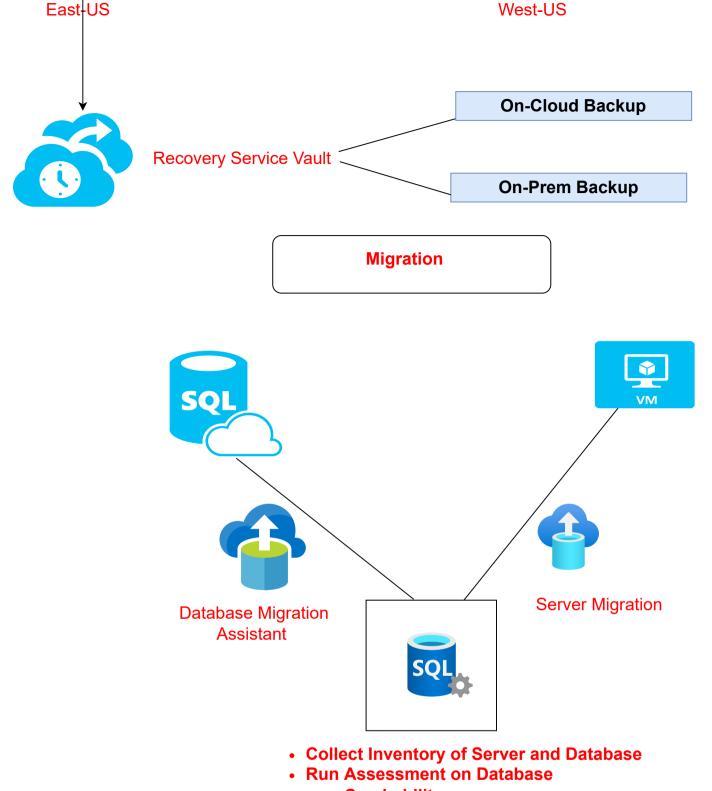


HA Optio









- Combability
- Error Checking
- Virus Inspection
- Migrate the Database / Server with database

az-900 az-104 dp-300