




**Platform as a Service**

- IaaS + DBMS + OP
- Specify resources (DB size/ # of users / performance)
  - Auto create VMs/networks/devices
- Auto Scale up/down
- Supports development tools
- Example: Azure SQL Database



**Infrastructure as a Service**


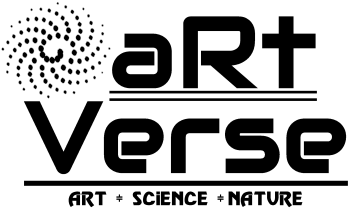
- Virtual, mirrors on-prem
- VMs <=> VM Network/Devices
- Install & configure software (DBMS)
- No maintenance/purchasing of hardware/infrastructure
- Azure Virtual Network**
  - Isolated
  - Real/Virtual machines/services access to resources/ports
  - Servers/storage/networking/physical data centers included
  - Secure
- Example: SQL Server DBMS

**Azure Data Services**


- All PaaS**
- Auto configure/manage/update/security
- User creates database
- SLA 99.99%
- Always on (pay for infrastructure/licence/administrative tasks)
- Azure SQL Database (relational), Azure Cosmos DB (non-relational), MySQL Server, MariaDB server, PostgreSQL server
- Limited administrative tasks

**Software as a Service**

- PaaS + apps
- Software on virtual service/cloud
- Hosted apps
- Example: Microsoft 365



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