

IaaS or PaaS?



What problem are you trying to solve?

Concurrency | Real Microsoft expertise. Real business value.™

"My company wants to move to the cloud."

"We need to increase redundancy."

This is a goal, not a problem. Define a problem to solve!

What challenges do you face right now? What challenges will you face with Azure?

"We want to save money."

"We don't want to manage anything."

How are you going to measure that? Where are you saving - licensing costs, hardware costs, hosting costs?

There will always be some level of management. What specifically do you want to get rid of?

IaaS

- Create a Windows Server VM
 - You can pick the version and edition
- Two choices for SQL Server
 - Bring your own licensing (BYOL)
 - Use a Windows VM image, install SQL Server with your license key, pay for compute costs
 - Image
 - Use a SQL Server VM image, pay compute & SQL Server costs

Compute costs

SQL Server costs

Tier/size	Cores	RAM	Disk Size	Price	Tier/size	Web	Standard	Enterprise
Standard A2	2	3.5 GB	135 GB	\$0.18/hr	Standard A2	\$0.032/hr	\$0.40/hr	\$1.50/hr
Standard A7	8	56 GB	605 GB	\$1.32/hr	Standard A7	\$0.064/hr	\$0.80/hr	\$3.00/hr
Optimized D2	2	7 GB	100 GB	\$0.28/hr	Optimized D2	\$0.032/hr	\$0.40/hr	\$1.50/hr
Optimized D13	8	56 GB	400 GB	\$1.173/hr	Optimized D13	\$0.064/hr	\$0.80/hr	\$3.00/hr

* Pricing current as of February 22, 2016

PaaS

- Azure SQL Database
 - Single database
 - Elastic pools

Single database

Tier/Size	DTUs	Max storage (per DB)	Price
Basic B	5	2 GB	\$5/mo
Standard S1	20	250 GB	\$30/mo
Premium P1	125	500 GB	\$465/mo
Premium P11	1750	1 TB	\$7,001/mo

Elastic pool

Tier/DTUs	Max storage (per pool)	Max DBs (per pool)	Max eDTUs (per DB)	Price
Basic 100	10 GB	200	5	\$149/mo
Standard 100	100 GB	200	100	\$223/mo
Standard 1200	1.2 TB	400	100	\$2701/mo
Premium 1500	750 GB	50	1,000	\$8370/mo

IaaS

- Need to rapidly move existing database into Azure
- Databases larger than 1 TB
- DR for on-premises SQL Server instances
- Save on hardware costs

PaaS

- New cloud-designed apps
- Apps that need built-in HA and DR
- Scale-out
- SaaS
- Save on hardware costs
- Reduce maintenance time
