IaaS or PaaS?

What problem are you trying to solve?

"My company wants to move to the cloud."

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

"We need to increase redundancy."

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

"We want to save money."

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

"We don't want to manage anything."

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

IaaS

- SQL Server licensing
  - 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
    - All features are installed – every last one!
    - SQL Server 2008R2, 2012, 2014, 2016
  - BYOL image
    - Enter your key within 10 days
    - All features are installed
- No "development" or "test" tier
  - There is 2014 and 2016 SQL Server Developer edition
  - Use Azure Dev Test Labs

Compute costs

Tier/size	Cores	RAM	Disk Size	Price
Standard A2	2	3.5 GB	135 GB	$0.18/hr
Standard A7	8	56 GB	605 GB	$1.20/hr
Optimized D2	2	7 GB	100 GB	$0.26/hr
Optimized D13	8	56 GB	400 GB	$1.08/hr

SQL Server costs

Tier/size	Web	Standard	Enterprise
Standard A2	$0.032/hr	$0.40/hr	$1.50/hr
Standard A7	$0.064/hr	$0.80/hr	$3.00/hr
Optimized D2	$0.032/hr	$0.40/hr	$1.50/hr
Optimized D13	$0.064/hr	$0.80/hr	$3.00/hr

* Pricing current as of July 18, 2016; East US 2 region

PaaS

- SQL Database
  - Single database
  - Elastic pools
- Database only – no Analysis Services, Integration Services, or Reporting Services
  - SQL Data Warehouse (GA as of July 13, 2016)
  - Data Factory
  - Power BI

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	1,750	1 TB	$7,001/mo

Elastic pool

Tier/DTUs	Max DBs (per pool)	Max storage (per pool)	Max eDTUs (per DB)	Price
Basic 100	200	10 GB	5	$149/mo
Standard 100	200	100 GB	100	$223/mo
Standard 1200	400	1.2 TB	100	$2,701/mo
Premium 1500	50	750 GB	1,000	$8,370/mo

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IaaS

- Need to rapidly move existing database into Azure
- Databases larger than 1 TB
- Predictable, steady workloads
- DR for on-premises SQL Server instances

PaaS

- New cloud-designed apps
- Apps that need built-in HA and DR
- Variable workloads and usage patterns
- Scale-out
- SaaS / single-tenant databases