

Resiliency

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Resources

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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

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PaaS

- Azure SQL Database
 - Single database
 - Elastic pools

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

You need to learn things

- PowerShell
 - Get really familiar with PowerShell
- Azure Networking
 - If your resources can't talk, you're in trouble
- Automation
 - PowerShell, ARM templates, Azure Automation, Elastic Jobs

Tools

- Azure PowerShell
- AZCopy <https://azure.microsoft.com/en-us/documentation/articles/storage-use-azcopy/>
- SQL Migration Wizard <http://sqlazuremw.codeplex.com/>
- DTU calculator <http://dtucalculator.azurewebsites.net/>

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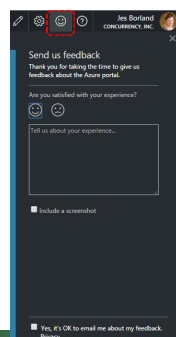
What you pay for

- Network (VPN Gateways, Public IP Address, Express Route)
- Compute (VMs)
- Licensing (SQL Server)
- Storage (disks)
- Throughput (SQL Database)
- Automation
- Data out

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How you give feedback

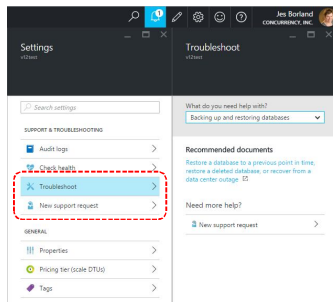
- Portal - top right corner
- Website <https://feedback.azure.com/forums/34192--general-feedback>



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How you get help

- Portal
 - Troubleshoot
 - New support request
- MSDN forums
- Stack Overflow



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Outcomes

- Exercise: Hand everyone a piece of paper and a marker, and they have to write down one thing they will create in Azure next week.

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Thank you!

- Matt Buodro
- Tim Gabrhel
- Grant Fritchey
- TJay Belt

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Download scripts

- <https://github.com/grrlgeek/azure-sql-server>

Contact me

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