





Neue Web-Applikation









Was gibt es zu beachten?



Rechenzentrum

- Ausfallsicherheit
- Hardware / virt. Machine
- Wo wie oft?

Personal

- Wer macht was?
- Wer kann was?
- Rufbereitschaft? 7x24?





Backup / Restore





Wer bin ich? Björn Peters

SQL Server Lead DBA

PASS Deutschland e.V. (Speaker, Volunteer)

Azure Meetup Hamburg Leader

Father, Husband, Snowboarder, Cylcist, Geek

Cloud & Datacenter MVP 2017/2018

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Agenda – unser Weg

Was bekomme ich für mein Geld !?!

Zu beachten beim Deployment

Möglichkeiten der Migration

Backup / Restore

und ganz viel Powershell ;-)

Q & A



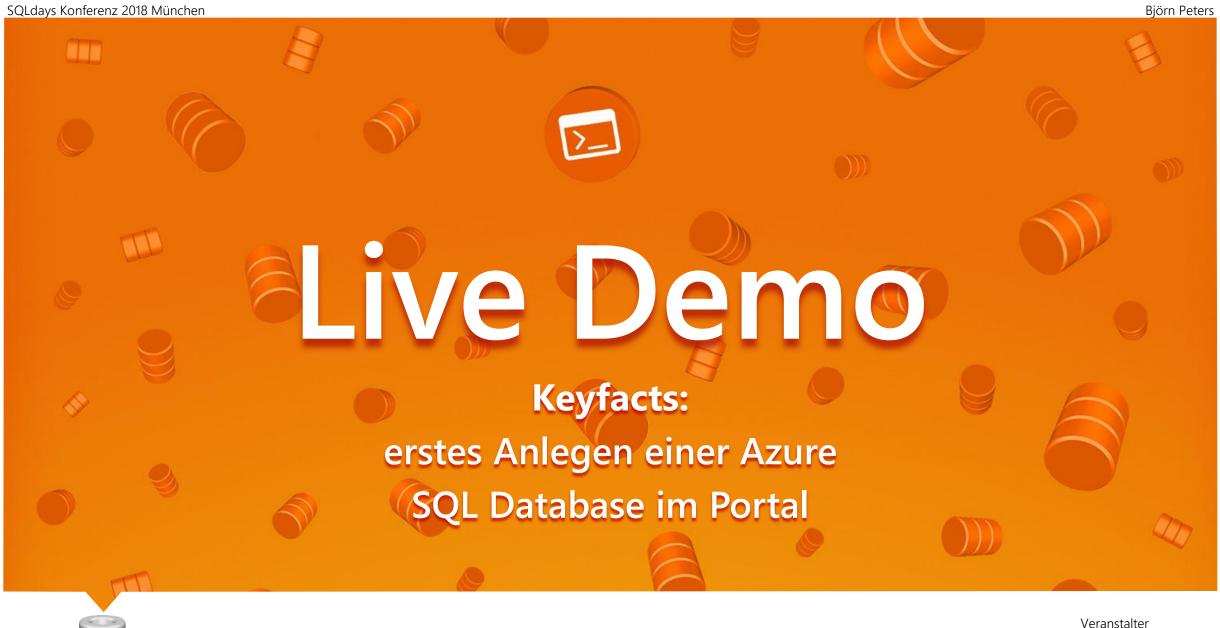














Was kriege ich für mein Geld?

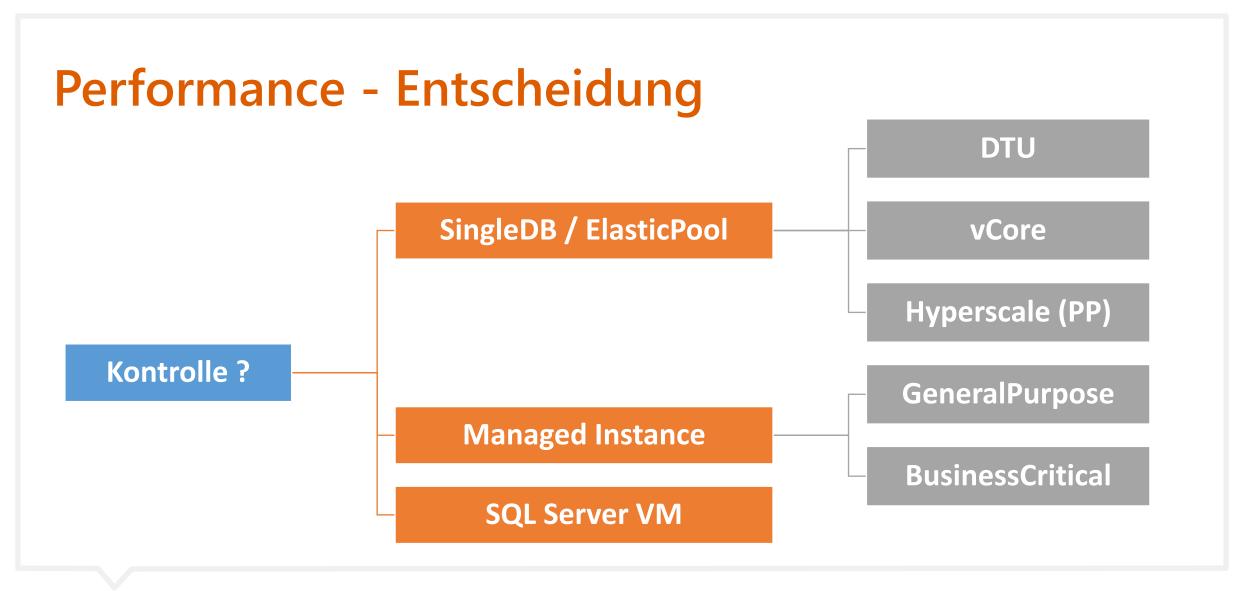














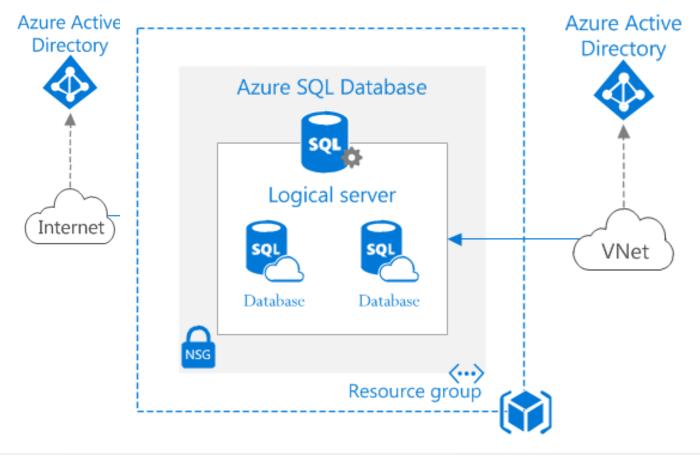








Deployment – Powershell - Struktur







ARM-Deployment with Template-File

```
[...]
Write-Host "Starting deployment...";
if (Test-Path $parametersFilePath) {
    New-AzureRmResourceGroupDeployment `
          -ResourceGroupName $resourceGroupName `
          -TemplateFile $templateFilePath `
          -TemplateParameterFile $parametersFilePath;
} else {
    New-AzureRmResourceGroupDeployment
          -ResourceGroupName $resourceGroupName `
          -TemplateFile $templateFilePath;
[...]
```







ARM-Deployment with Template-File







ARM-Deployment with Template-URI

[...]

New-AzureRmResourceGroupDeployment `

```
-Name MyCoreDeployment `
```

- -ResourceGroupName \$resourceGroupName `
- -TemplateUri https://azureseclab.blob.core.windows.net/azureseclab/azuredeploy-core.json `
- -VaultName \$vaultName `
- -SecretName \$secret.Name `
- -VaultResourceGroup \$resourceGroupName

[...]







Completly Powershell ;-)

```
[...]
$server = New-AzureRmSqlServer -ResourceGroupName $resourcegroupname `
                    -ServerName $servername_demo `
                    -Location $location `
                    -SqlAdministratorCredentials $(New-Object - ...)
$database = New-AzureRmSqlDatabase - ResourceGroupName $resourcegroupname `
                    -ServerName $servername_demo `
                    -DatabaseName $databasename `
                    -RequestedServiceObjectiveName "S0" `
                    -SampleName "AdventureWorksLT"
```

[...]













Veranstalter



Möglichkeiten

with Downtime

without Downtime

Backup / Restore

Data Migration
Assistant

Replication

Azure Data Migration Service











Backup

DTU

- Basic7 Tage Retention
- Std / Premium35 Tage Retention

vCore

- 7-35 Tage
- Default => 7 Tage
- RA-GRS

Long-Term Retention - Backup





Restore

Point-in-Time-Restore

Geo-Restores

Deleted Databases Backup /
Restore =>
Pause









Fazit

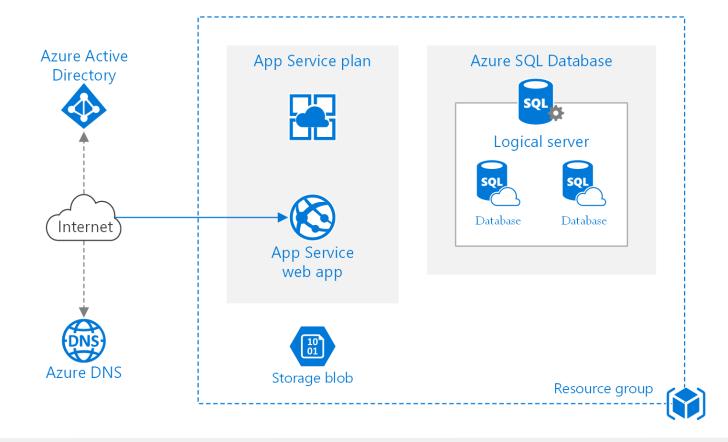
Fast & Easy Deployment Easy to Manage Automatic Backup **Automatic Tuning**







Neue Web-Applikation











Fragen?





Veranstalter



Vielen Dank!

Ich freue mich auf Feedback! Euer Björn Peters









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