

# Grab a Stroopwafel while we watch ARM do an automated RDS deployment in Azure IaaS.

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# AGENDA



## What is a ~~streetwaffle~~ Azure Resource Manager?



## Diving into the JSON Template



## Demo, results & recap



## Questions

# WHAT IS AZURE RESOURCE MANAGER?

- Early days of Azure Service Manager (ASM)
- Azure Portal
- PowerShell & CLI

NAME	TYPE	STATUS	SUBSCRIPTION	LOCATION
contoso-fb	Directory	✓ Active	Shared by all contoso-fb subscriptions	EU Model Clause compliant...
demo.rdsgurus.com	Directory	✓ Active	Shared by all demo.rdsgurus.com subscriptions	EU Model Clause compliant...
Multi-Factor Authentication...		✓ Active	Windows Azure MSDN - Visual Studio Professional	-
rdcb	SQL Database	✓ Online	Visual Studio Premium with MSDN (NEW)	West Europe
rdsgurus.com	Directory	✓ Active	Shared by all rdsgurus.com subscriptions	United States datacenters
The Microsoft Platform	Directory	✓ Active	Shared by all The Microsoft Platform subscriptions	EU Model Clause compliant...
Wortell	Directory	✓ Active	Shared by all Wortell subscriptions	EU Model Clause compliant...

# WHAT IS AZURE RESOURCE MANAGER?

- Azure Resource Manager (ARM)
  - Azure portal v2
  - Organizing resources into groups
  - Role Based Access Control
  - Tags, metadata & transparent billing
  - Declarative ARM (JSON) Templates → Infrastructure as code!

Azure Resource Manager completes the Azure + DevOps story!

# DIVING INTO THE JSON TEMPLATE

- Declarative method for defining Azure deployments
- Source Code Repository (TFS, Git, Github)

AzureDeploy.json

```
"parameters": { },
```

```
"variables": { },
```

```
"resources": [ ],
```

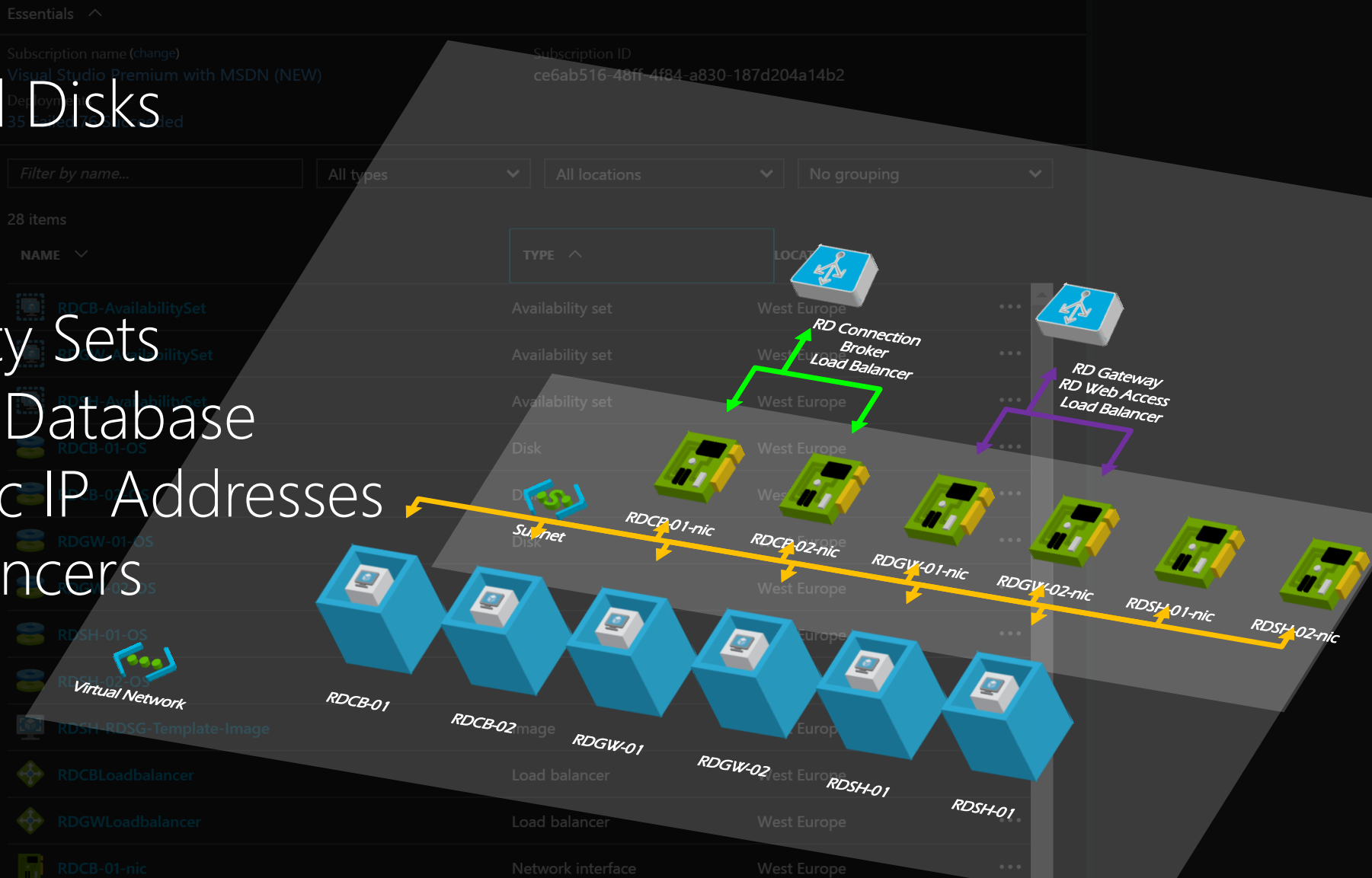
```
"outputs": { }
```

```
}
```



# RECAP, WHAT HAS BEEN CREATED? #1/2

- 6 Managed Disks
- 6 NIC's
- 6 VM's
- 3 Availability Sets
- Azure SQL Database
- Static public IP Addresses
- 2 load balancers



# RECAP, WHAT HAS BEEN CREATED? #2/2

- All VM's joined to AD Domain
- Anti-virus & Anti Malware configured
- Bginfo configured
- Full HA RDS Deployment
- 2 RD Connection Broker / Licensing
- 2 RD Gateway / Web Access
- 2 RD Session Host
- SSL Certificates configured for all roles
- Session Collection created
- Sample RemoteApp published
- RD Web Access branding
- RD CAP / RAP Policies
- Session Time Out settings configured

## DEPLOYMENT SERVERS

Last refreshed on 5/18/2017 10:27:10 AM | All RDS role services | 9 total

Server FQDN	Installed Role Service
RDCB-01.RDSGURUS.COM	RD Connection Broker
RDCB-02.RDSGURUS.COM	RD Connection Broker
RDGW-01.rdsaurus.com	RD Gateway
RDGW-02.RDSGURUS.COM	RD Gateway
RDCB-01.RDSGURUS.COM	RD Licensing
RDCB-02.RDSGURUS.COM	RD Licensing
RDSH-01.rdsaurus.com	RD Session Host
RDGW-01.rdsaurus.com	RD Web Access
RDGW-02.RDSGURUS.COM	RD Web Access

# THANK YOU!

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