Deploying Virtual Machines

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Module Overview

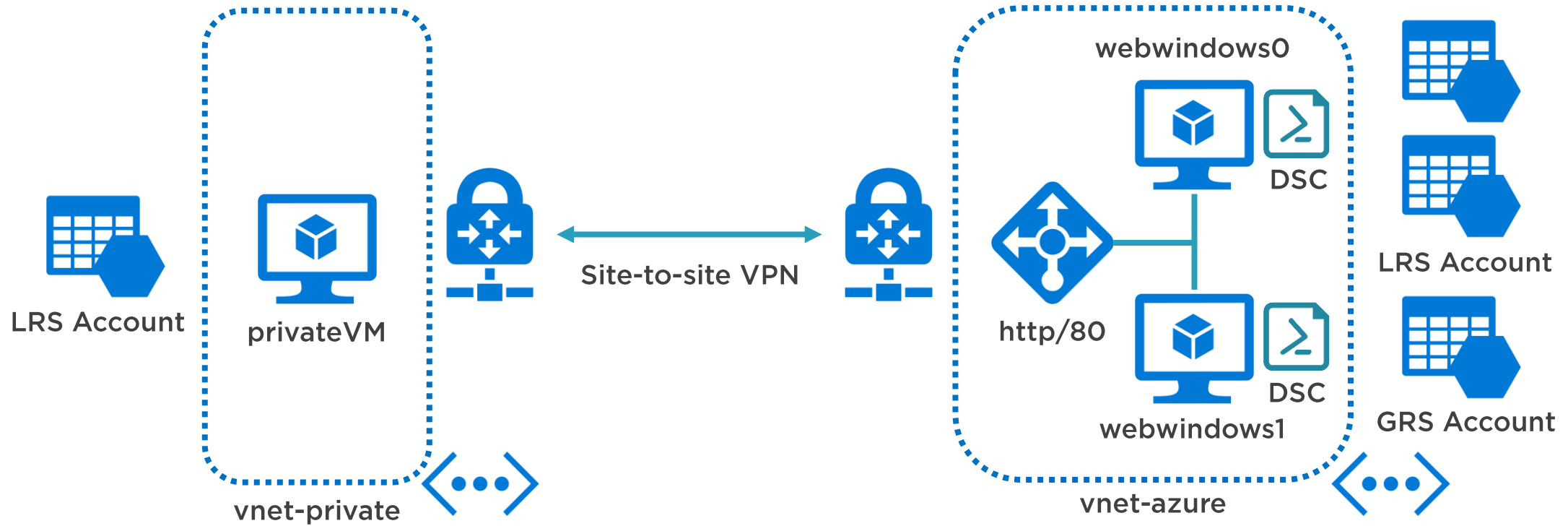Deploy "private" Virtual Machine

Deploy remote Virtual Machines

Configure remote VMs with DSC

Deploy Load Balancer

Validate deployment

IaaS Solution

IaaS Solution Resources

Microsoft.Network/networkInterfaces

Microsoft.Compute/virtualMachines

Microsoft.Compute/virtualMachines/extensions

Microsoft.Compute/availabilitySets

Microsoft.Network/loadBalancers

Demo

Create private VM template resources

Deploy Virtual Machine

Validate deployment

Demo

Create remote VM template resources

Deploy Virtual Machines

Deploy VM Availability Set

Validate deployment

Virtual Machine Extensions

```
Add-AzureAccount

Select-AzureSubscription -SubscriptionId <subscription-id>

Get-AzureVMAvailableExtension | `
    Select-Object Publisher,ExtensionName,Version | `
    Sort-Object ExtensionName
```

```
Publisher                                  ExtensionName                       Version
---------                                  -------------                       -------
Microsoft.Azure.Security                   ADETest                             2.0
Microsoft.AzureCAT.AzureEnhancedMonitoring AzureCATExtensionHandler            2.2
Microsoft.OSTCExtensions.Test              AzureDiagnosticsLinuxExtIaaS7.Test  1.0
Microsoft.Azure.Security                   AzureDiskEncryption                 1.1
Microsoft.OSTCExtensions                   AzureDiskEncryptionForLinux         0.1
Microsoft.Azure.Security                   AzureDiskEncryptionForLinuxTest     0.1
Microsoft.OSTCExtensions                   AzureEnhancedMonitorForLinux        3.0
Microsoft.WindowsAzure.Compute             AzureLogCollector                   1.0
Microsoft.Windows.AzureRemoteApp.Test      AzureRemoteAppTestAgentV2           1.0
Microsoft.Compute                          BGInfo                              2.1
Chef.Bootstrap.WindowsAzure                ChefClient                          1210.12
```

Demo

Create VM extension template resources

Configure remote servers with DSC

Validate deployment

Demo

Create Load Balancer template resources

Deploy Load Balancer to remote servers

Validate deployment

Module Summary

Deploy "private" Virtual Machine

Deploy remote Virtual Machines

Configure remote Virtual Machines

Configure remote VM Load Balancer

Verify full IaaS deployment

Coming next:
Managing Resources