Migrating Physical Servers and Databases to Microsoft Azure

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Overview

Review the ASR migration story thus far

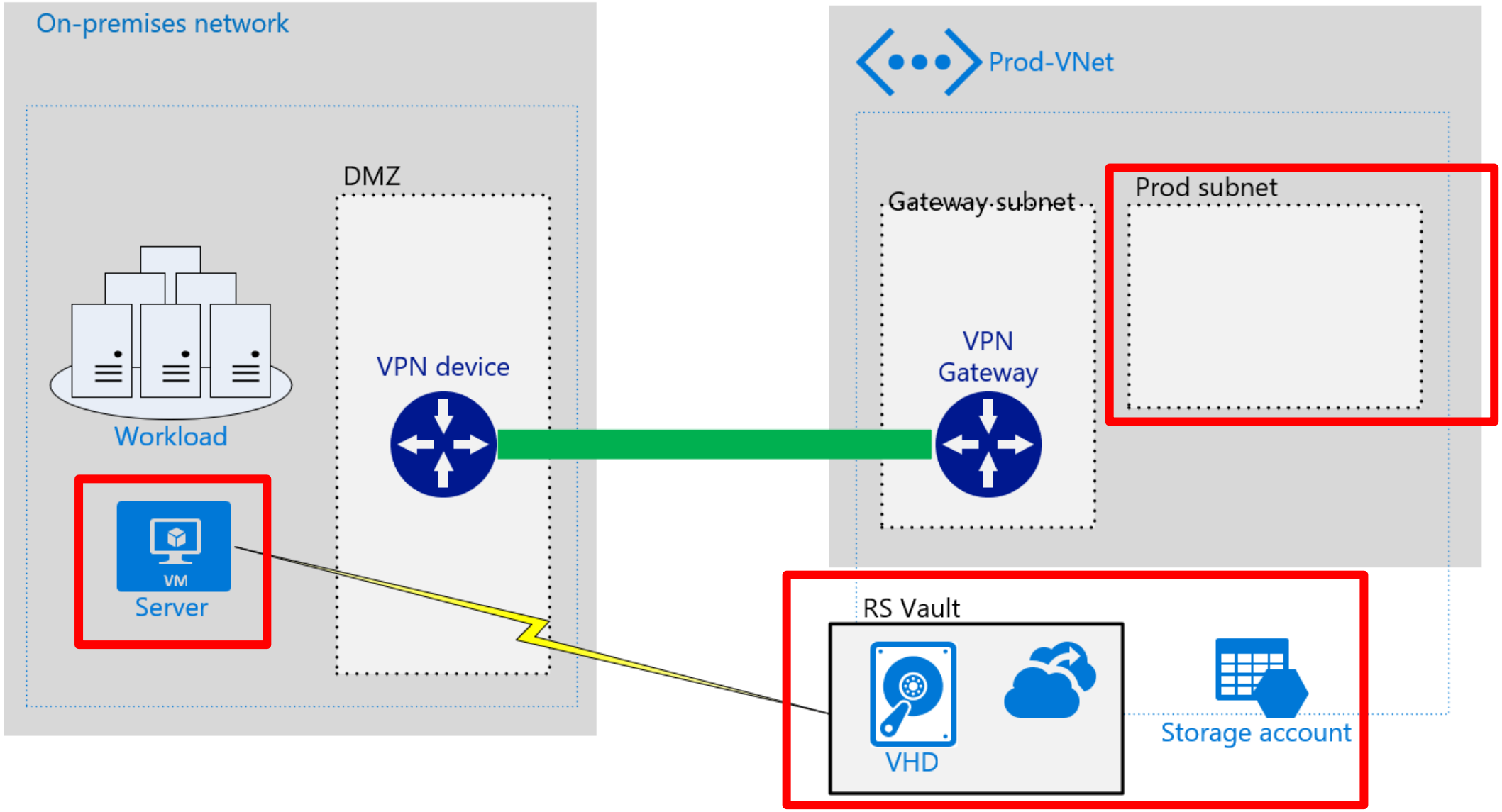
Migrate a physical server to Azure

Migrate a SQL Server database

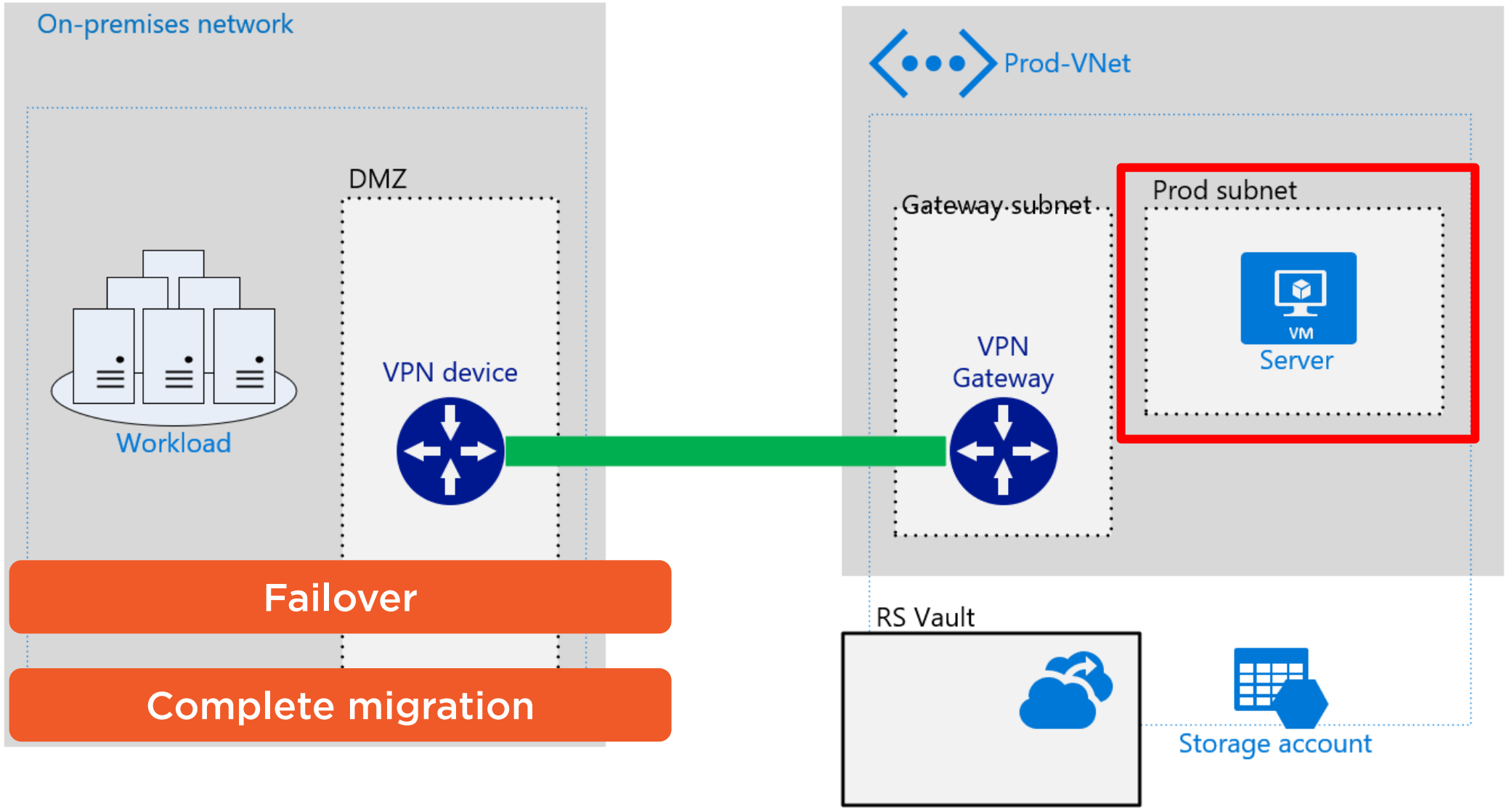
- Data Migration Assistant
- Data Migration Service

The ASR Migration Story Thus Far

ASR Migration Review



ASR Migration Review



Migrate a Physical Server to Azure

Physical Server to Azure Migration Process

Select replication goal

- No virtualization

Set up source environment

- Deploy configuration server
- Install Mobility service on every host to be migrated
- Mobility server installs the Azure VM Agent

Set up target environment

Set up a replication policy

Enable replication

Failover/migrate

- Complete migration

Demo

1

ASR on-premises server migration

Migrate a SQL Server Database to Azure

SQL Server Migration Options

Data Migration Assistant (DMA)

Assess on-premises SQL Server databases

Discover issues that could affect a migration

Perform schema and/or data migration to Azure SQL Database

Source database ranges from SQL Server 2005 to SQL Server 2017 on Windows

Data Migration Service (DMS)

Accelerates SQL Server and Oracle database migration at scale

Requires hybrid cloud (ExpressRoute or site-to-site VPN)

Virtual network (VNet)

Relies on DMA for assessment and schema migration

Demo

2

Perform DMA-based SQL Server migration

Show DMS UI

Summary

Planning and assessment are essential to a good migration experience

ASR pricing is free for first 31 days

- Per-instance pricing after 31 days

Thank you!

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