

Migrate Workloads to Windows Server 2022



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Overview



Migrate various local workloads to Windows Server 2022:

DHCP servers

Print servers

RDS hosts

IIS web servers

Hyper-V hosts



Windows Server 2022: Migrate Servers and Workloads

Migrate On-Premises Storage on Windows Server

Migrate On-Premises Servers to Azure

Migrate Workloads to Windows Server 2022

Migrate IIS Workloads to Azure

Migrate an AD DS Infrastructure to Windows Server 2022 AD DS



Migrate DHCP and Printer Workloads to Windows Server 2022



"It'd be great if you'd go ahead and migrate our old DHCP servers to new hardware running Windows Server 2022, mmkay?"

The use case



Windows Server Migration Tools



We've seen Storage Migration Service for file servers

We've seen Azure Migrate for VMs

WSMT is a collection of PowerShell commands to make Windows Server role & service migration easier

Install-WindowsFeature -Name Migration



WSMT Supported Workloads

Active Directory

BranchCache

DHCP

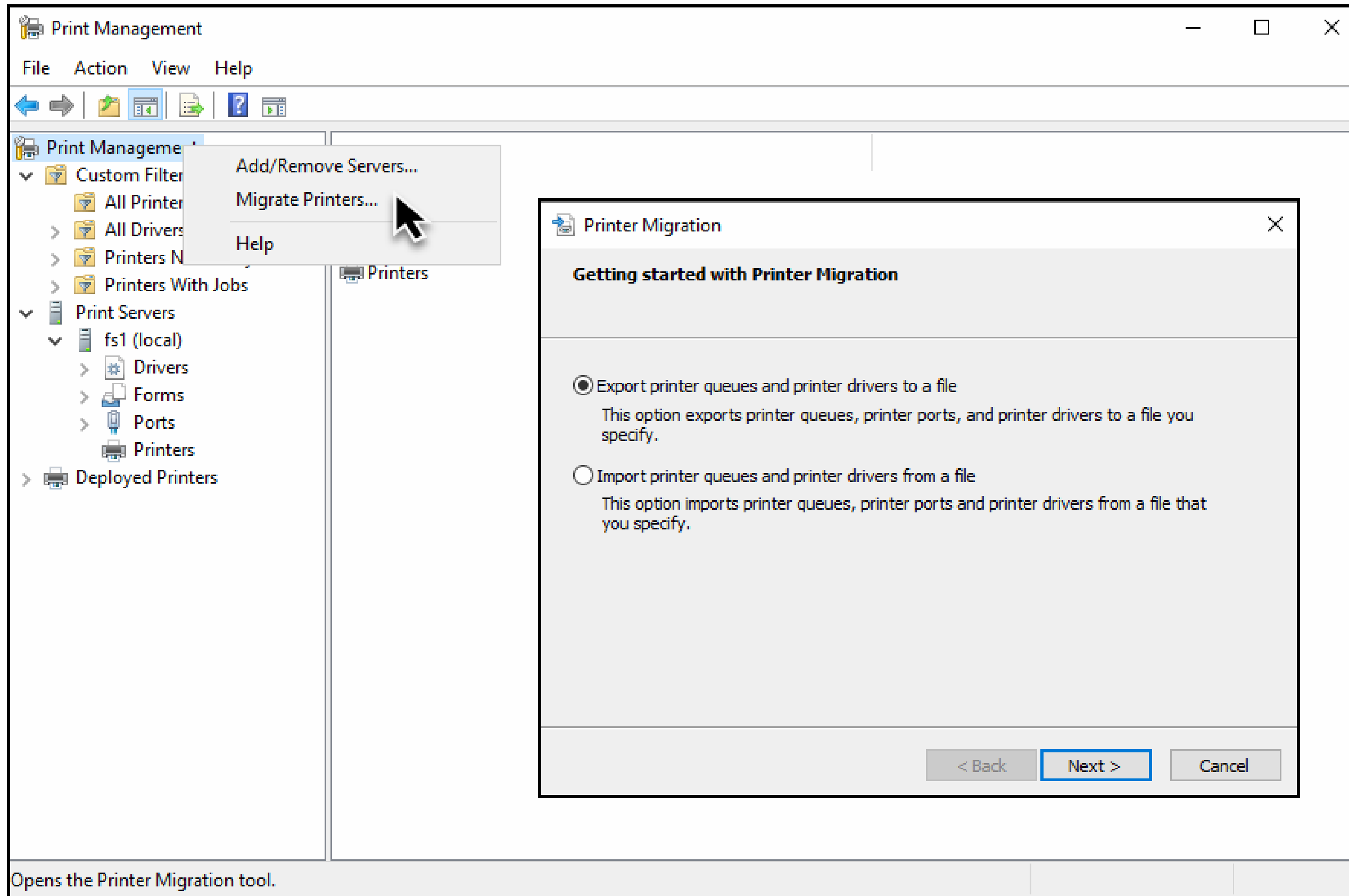
**Hyper-V, Failover
Clustering**

**File, Print, IIS
Services**

RRAS, RDS



Windows Print Server Migration



Demo



1

Migrate print queues

Review WSMT setup

Migrate DHCP



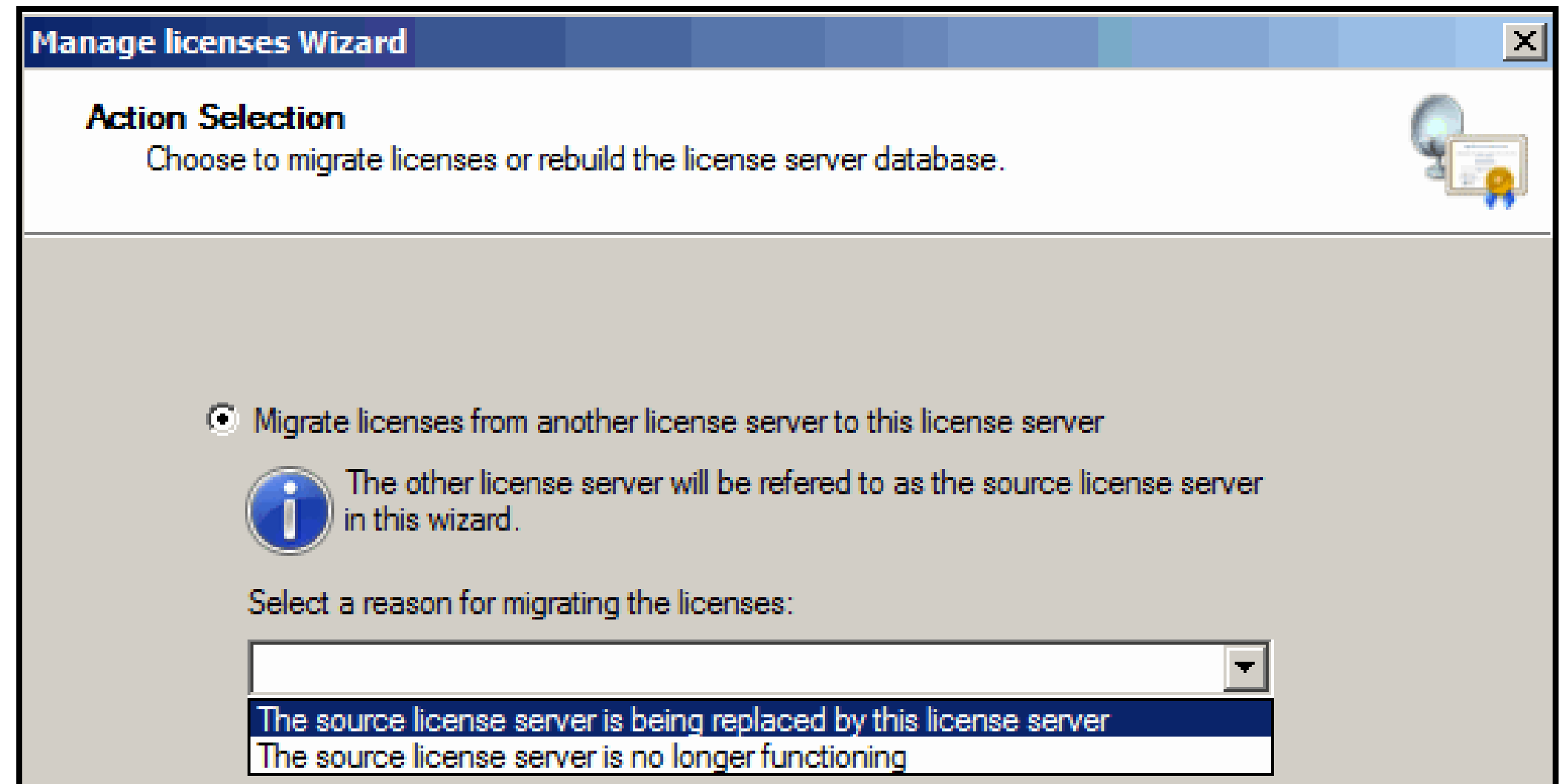
Migrate RDS Hosts to Windows Server 2022



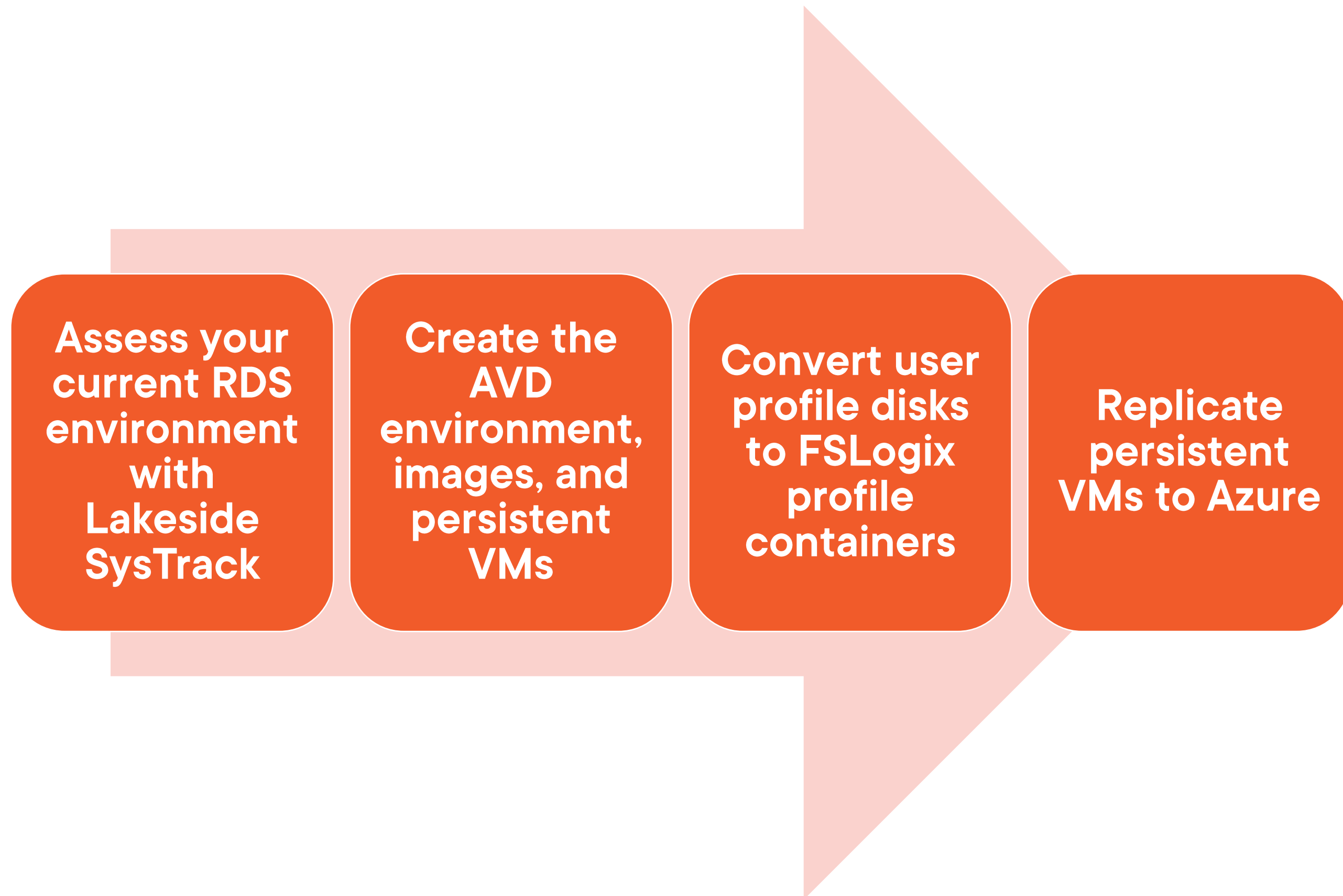
RDS to Windows Server 2022 Migration

Migrate Remote Desktop Services (RDS) Client Access Licenses (CALs)

Run the RDS CALS Wizard in the RDS Manager MMC console



Azure Migrate VDI Migration Process



Migrate IIS and Hyper-V Workloads to Windows Server 2022



Migrate IIS Website to Windows Server 2022

```
# Synchronize IIS with the Web Deployment tool  
(msdeploy.exe)
```

```
msdeploy -verb:sync  
-source:apphostconfig="Default Web Site"  
-dest:apphostconfig="Default Web  
Site",computername=Server2 > sync.log
```



Migrate Hyper-V Hosts to Windows Server 2022

Live migrate VMs without failover clustering

```
Move-VM -Name "vm1" -DestinationHost "newserver01"  
-IncludeStorage  
-DestinationStoragePath "D:\vm1"
```



Demo



2

Synchronize IIS

Move Hyper-V VM



Summary



Historically Microsoft has taken very good care of its customers running downlevel Windows versions

- Compare with Apple

Hopefully you're comfortable with command-line tools

Lead: "How can we rehost our IIS-based web application to Azure? Maybe convert the app to containers?"



Up Next:

Migrate IIS Workloads to Azure

