Azure Virtual Desktop (AVD) Pilot Service Offering
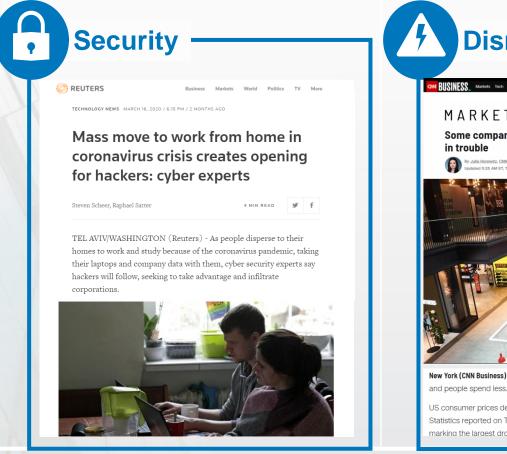
EUC Practice, TSG, Connection

September 2022

The Evolving Landscape

Security

REUTERS   Business   Markets   World   Politics   TV   More

TECHNOLOGY NEWS   MARCH 18, 2020 / 6:15 PM / 2 MONTHS AGO

Mass move to work from home in coronavirus crisis creates opening for hackers: cyber experts

Steven Scheer, Raphael Satter   4 MIN READ

TEL AVIV/WASHINGTON (Reuters) - As people disperse to their homes to work and study because of the coronavirus pandemic, taking their laptops and company data with them, cyber security experts say hackers will follow, seeking to take advantage and infiltrate corporations.

Disruptions

CNN BUSINESS   Markets   Tech   Media   Success   Perspectives   Videos   LIVE TV   Edition ∨

MARKETS NOW

Some companies are part of the coronavirus economy. The rest are in trouble

By Julia Horowitz, CNN Business
Updated 5:25 AM ET, Tue May 12, 2020

New York (CNN Business) — Prices are tumbling in America as the coronavirus lockdown drags on and people spend less.

US consumer prices declined for the second-straight month in April, the Bureau of Labor Statistics reported on Tuesday. Prices fell by 0.8% on a seasonally adjusted basis in April, marking the largest drop since December 2008.

Compliance

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Remote work forces have grown from 17% in 2019 to over 58% in the last 2 years

Source: NorthOne 2022

Business Problems

Staff and Candidates are seeking and finding remote jobs

How do I choose the right Management strategy that provides secure functionality for my growing remote workforce?
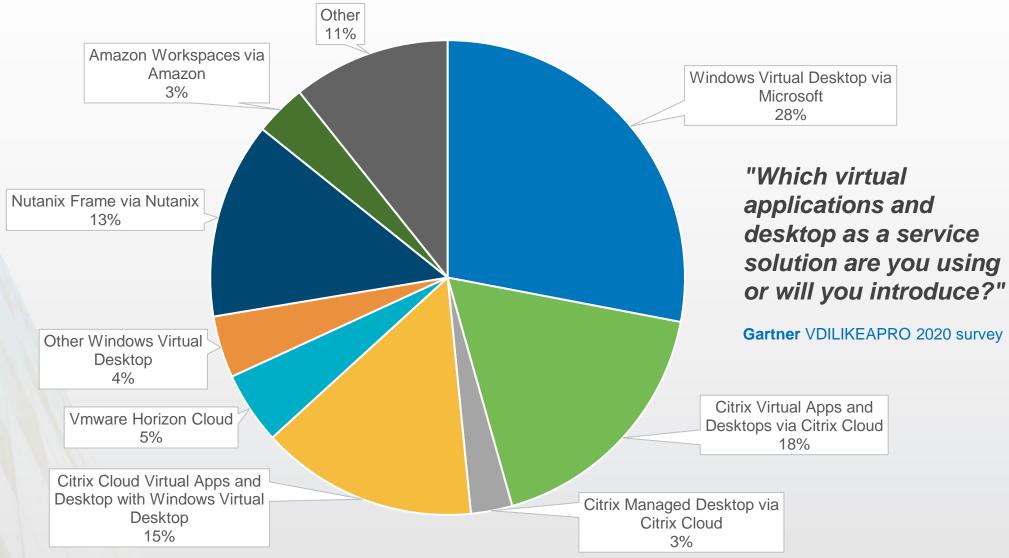
I need to rapidly deploy a Windows VDI solution

I need an easy-to-manage Windows VDI solution for my complex needs

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Desktop-as-a-Service Solutions

Other
11%

Amazon Workspaces via Amazon
3%

Windows Virtual Desktop via Microsoft
28%

Nutanix Frame via Nutanix
13%

Other Windows Virtual Desktop
4%

Vmware Horizon Cloud
5%

Citrix Cloud Virtual Apps and Desktop with Windows Virtual Desktop
15%

Citrix Virtual Apps and Desktops via Citrix Cloud
18%

Citrix Managed Desktop via Citrix Cloud
3%

"Which virtual applications and desktop as a service solution are you using or will you introduce?"

Gartner VDILIKEAPRO 2020 survey

5

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Azure Virtual Desktop

Azure Virtual Desktop is a comprehensive desktop and app virtualization service **running in the cloud** - delivering simplified management, multi-session Windows 10, optimizations for Office 365 ProPlus, and support for Remote Desktop Services (RDS) environments.

2 Main Components of Azure Virtual Desktop:

1. End User Computing	2. Cloud Computing
Client desktops are run and centrally managed as virtual machines.	A network of remote servers hosted on the Internet to store, manage, and process data, rather than a local server or a personal computer

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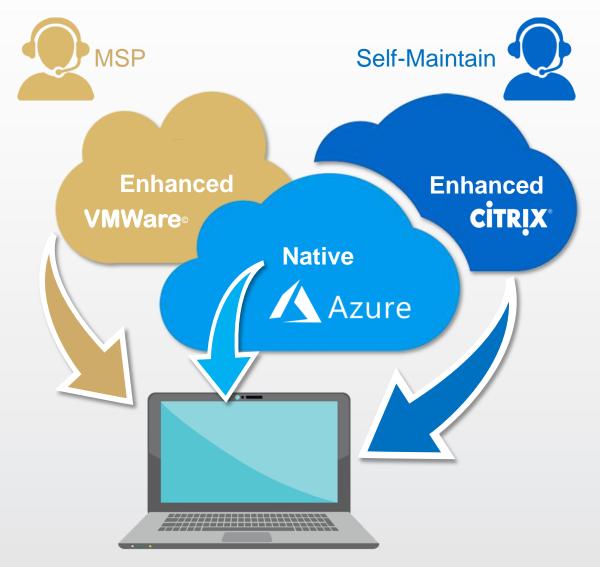# Three Flavors of AVD

Native

Deployed and managed using Microsoft-provided resources and services within an Azure subscription that belongs to you
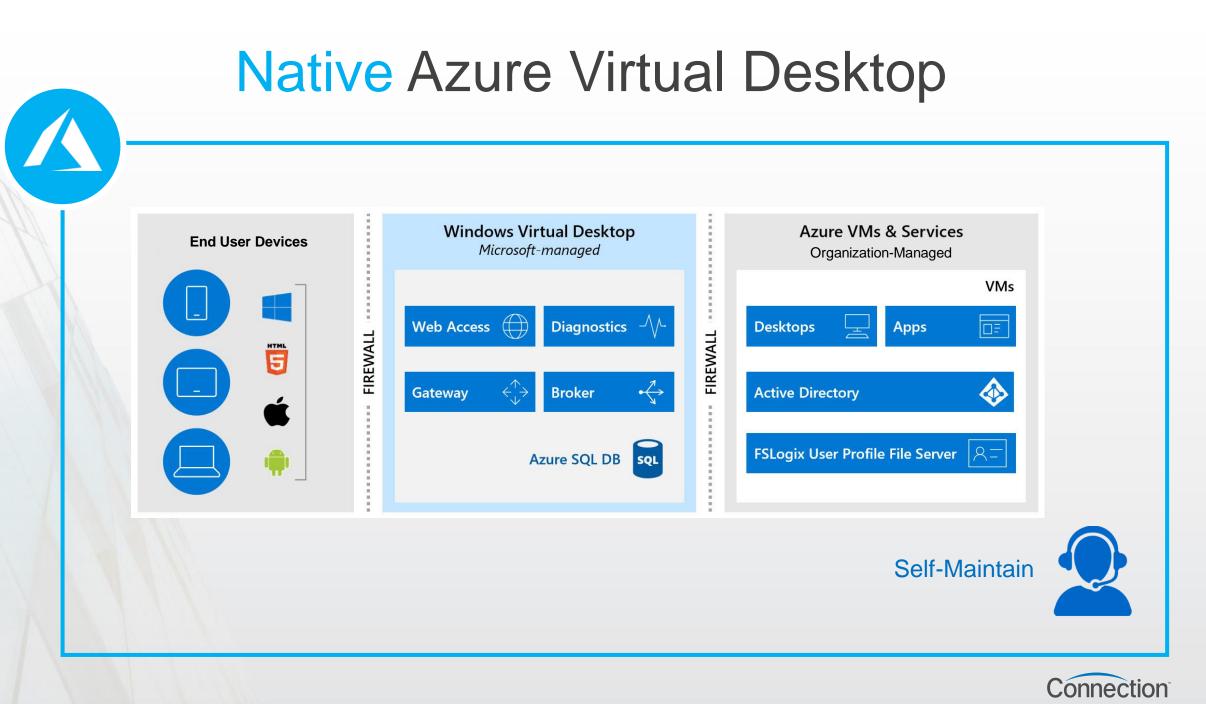
Enhanced

Core AVD components integrated with Citrix virtualized apps and desktops for ease of deployment, management and regulatory compliance.
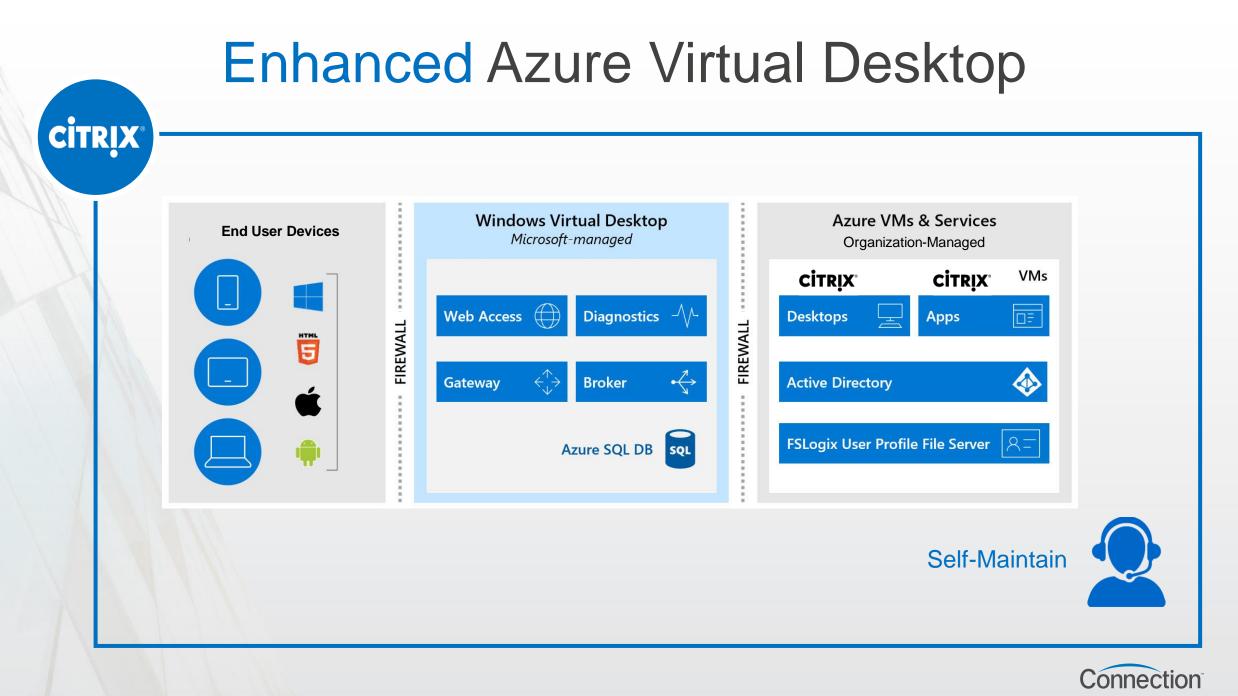
Enhanced

The Azure pod provides Customers a consumption-based model overlaid with the VMware Horizon technology providing the same Horizon Management Console.
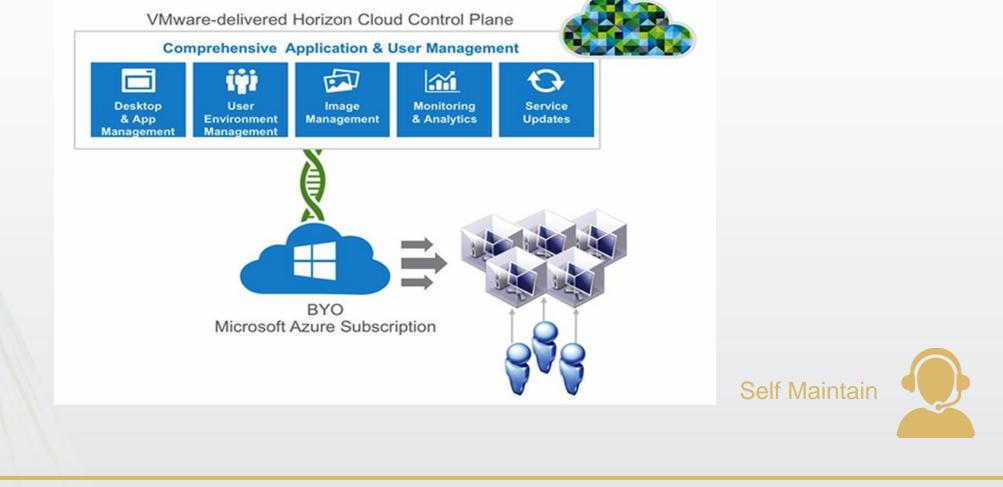
MSP

Self-Maintain

Enhanced VMWare©

Native Azure

Enhanced CITRIX®

Connection™

Native Azure Virtual Desktop

End User Devices

FIREWALL

Windows Virtual Desktop
Microsoft-managed

Web Access

Diagnostics

Gateway

Broker

Azure SQL DB SQL

FIREWALL

Azure VMs & Services
Organization-Managed

VMs

Desktops

Apps

Active Directory

FSLogix User Profile File Server

Self-Maintain

Connection

Enhanced Azure Virtual Desktop

End User Devices

Windows Virtual Desktop
Microsoft-managed

- Web Access
- Diagnostics
- Gateway
- Broker

Azure SQL DB

Azure VMs & Services
Organization-Managed

VMs

- Desktops
- Apps
- Active Directory
- FSLogix User Profile File Server

FIREWALL

Self-Maintain

Enhanced Azure Virtual Desktop

VMWare©

Self Maintain

Connection™

Enhanced Azure Virtual Desktop

End User Devices

FIREWALL

Windows Virtual Desktop
Microsoft-managed

Web Access

Diagnostics

VMWare®

Gateway

Broker

Azure SQL DB SQL

FIREWALL

Azure VMs & Services
Connection/MSP Managed

VMs

Desktops

Apps

Active Directory

FSLogix User Profile File Server

Managed Service Provider

Why CNXN for Azure Virtual Desktop?

- **Three Layers of Support**

  - TSG – (MLO/Modern Desktop/Deployment)
  - LCS – Floor walk/Call Center/ NOC Light/NOC Full
  - TIDC Technology Integration Distro Center
    - Provision client specific builds

- **Desktop Application compatibility**

  - Windows Analytics
  - Custom app compatibility
  - Remediation

- **Leverage Microsoft partnership**

  - Gold partner

MarkIT Place
Logistics & Distribution
Customer Configuration
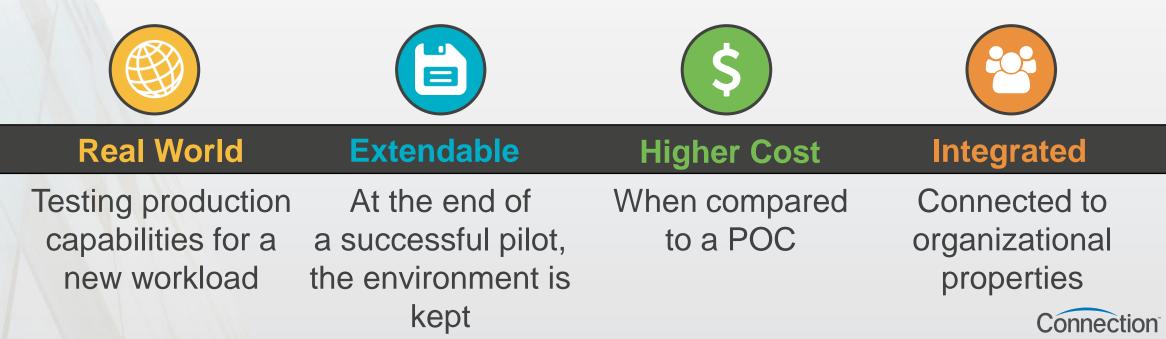Center
Customer Data
Team You

Landscape Optimization
MLO/SLO/CloudStack
TeamMS
MS COE & Concierge
Services
Software BDMs

Technology Services Group
Professional & Lifecycle
Services
Project Management Office
SAs & Service BDMs
Workshops, POCs, Pilots

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Pilot Defined:

"A pilot refers to an initial roll-out of a system into production, targeting a limited scope of the intended final solution. The scope may be limited by the number of users who can access the system, the business processes involved, or other restrictions.
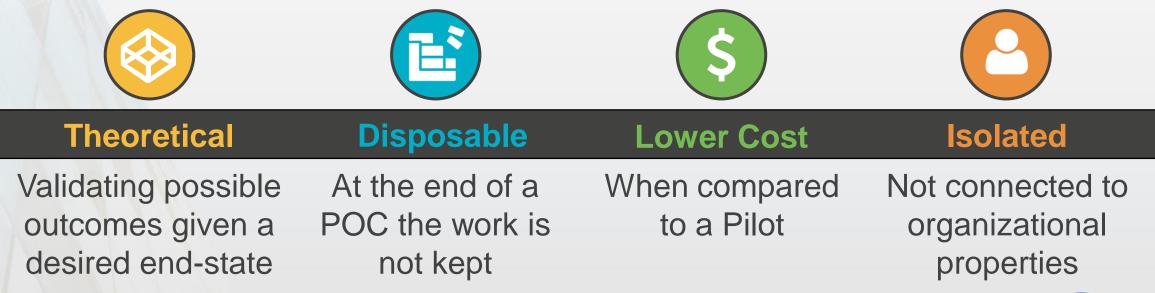
- Wikipedia.org

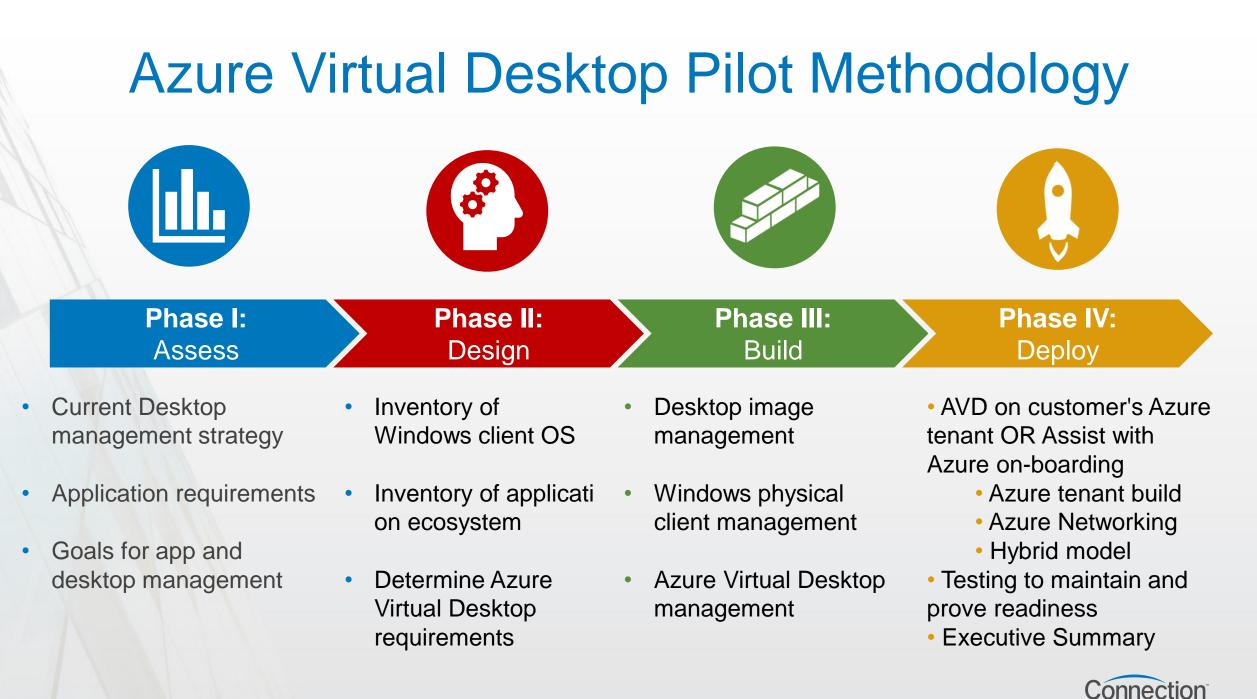| **Real World**	**Extendable**	**Higher Cost**	**Integrated**
Testing production capabilities for a new workload	At the end of a successful pilot, the environment is kept	When compared to a POC	Connected to organizational properties

P.O.C. Defined:

"Proof-Of-Concept (POC) is the realization of a certain method or idea to demonstrate feasibility and whose purpose is to verify that some concept has the potential of being used."
– Wikipedia.org

Theoretical	**Disposable**	**Lower Cost**	**Isolated**
Validating possible outcomes given a desired end-state	At the end of a POC the work is not kept	When compared to a Pilot	Not connected to organizational properties

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Azure Virtual Desktop Pilot Methodology

Phase I: Assess	Phase II: Design	Phase III: Build	Phase IV: Deploy
• Current Desktop management strategy	• Inventory of Windows client OS	• Desktop image management	• AVD on customer's Azure tenant OR Assist with Azure on-boarding

• Application requirements	• Inventory of application ecosystem	• Windows physical client management	• Azure tenant build
			   • Azure Networking
			   • Hybrid model

• Goals for app and desktop management	• Determine Azure Virtual Desktop requirements	• Azure Virtual Desktop management	• Testing to maintain and prove readiness • Executive Summary

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AVD Pilot Service Full Scope

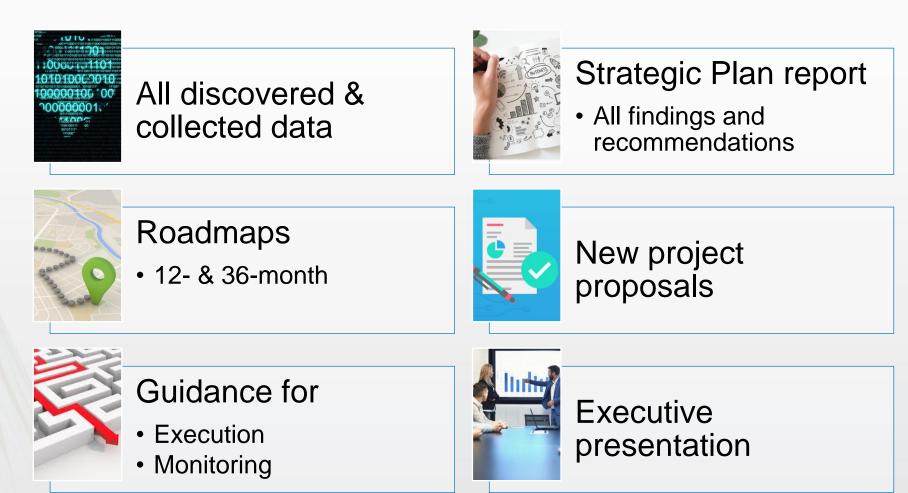| Phase I: Assess	Phase II: Design	Phase III: Build	Phase IV: Deploy
• Assess Windows AD health and best practices • Inventory any existing Azure resources • Inventory VDI-nominated applications • Review existing VDI solutions • Assess VDI-nominated application's back end sever and database dependencies • Assess how file share usage may impact the VDI solution	• Identity the VDI solution type • Plan and design the solution, including • Azure resources • Connection(s) to on-premises • VDI application integration with back-end resources • Desktop and published apps deployment and management • Azure Virtual Desktop sizing and scaling • Storage technology for FSLogix profiles • Group Policy Objects for host pool VMs • Custom desktop image preparation	• Deploy on-premises connection(s) • Deploy DCs or Azure Domain Services • Create custom AVD image(s) for host pool VMs • Execute integration strategy for on-premises back-end resources • Create AVD solution using native tools or Citrix • Configure groups for different desktop and published application configurations • Test desktops and published applications • Test scheduling and scaling, as appropriate	• Prepare documentation for admins and help desk staff • Prepare end user documentation • Ensure admins, help desk staff, and end users are trained • Expand the desktop and published application group memberships in batches until the solution is fully deployed

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Deliverables

 All discovered & collected data

 Strategic Plan report
- All findings and recommendations

 Roadmaps
- 12- & 36-month

 New project proposals

 Guidance for
- Execution
- Monitoring

 Executive presentation

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Questions and Next Steps

Thank you!

Please contact your Connection account manager for more information about this and other Connection Services

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