



ivision

**Azure Virtual Desktop**



# Microsoft Partnership

## Focus Solutions in all Microsoft Clouds

- ✓ Office 365
- ✓ Azure
- ✓ Dynamics



**Microsoft Gold  
Partner since 2004**



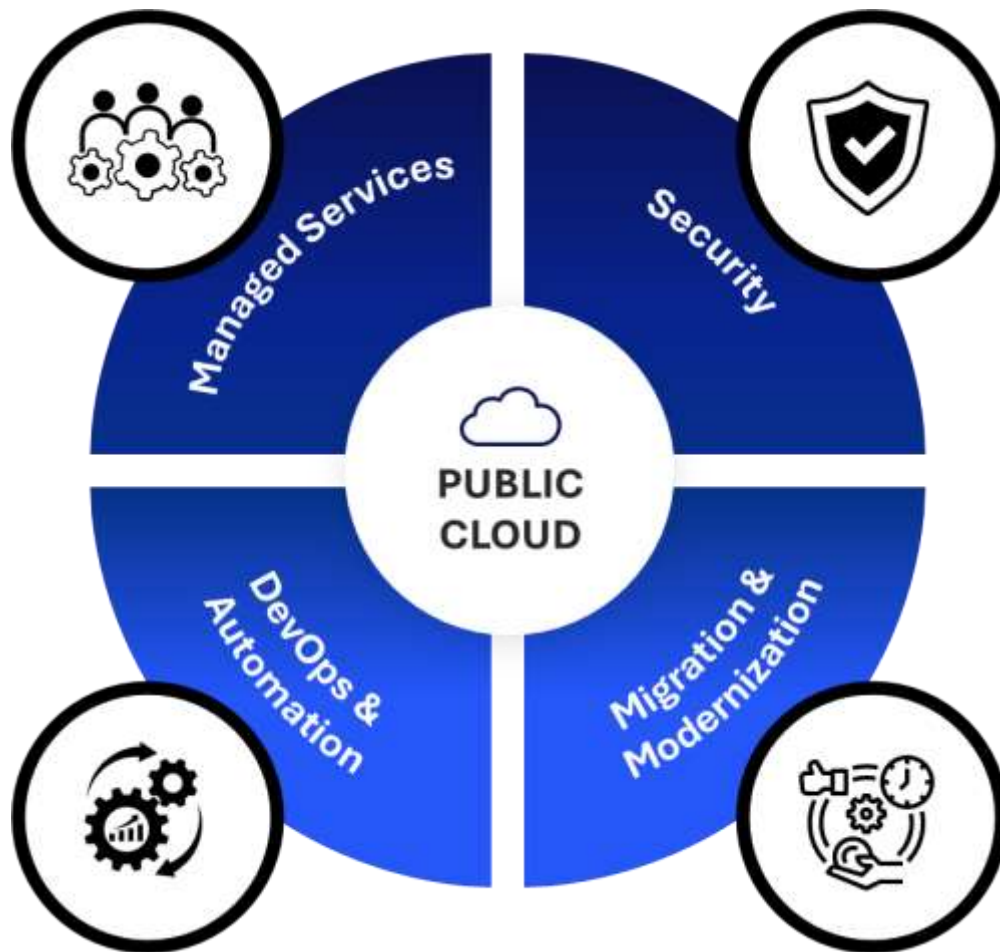
**Strong relationships  
with the Microsoft  
Account Teams**



**Continued Training on  
Microsoft Technologies  
with Our Consultants**



# Enabling Cloud Adoption



## End-to-End Cloud Adoption

- Advisory to Operational Managed Services
- Cloud Strategy Roadmap
- Cloud Operating Model

## Accelerating Cloud Migration & Modernization

- Cloud Landing Zone & Foundations
- Migration Assessment & Execution
- Containerization, IaaS, PaaS, FaaS
- Cloud Virtual Desktop Solutions

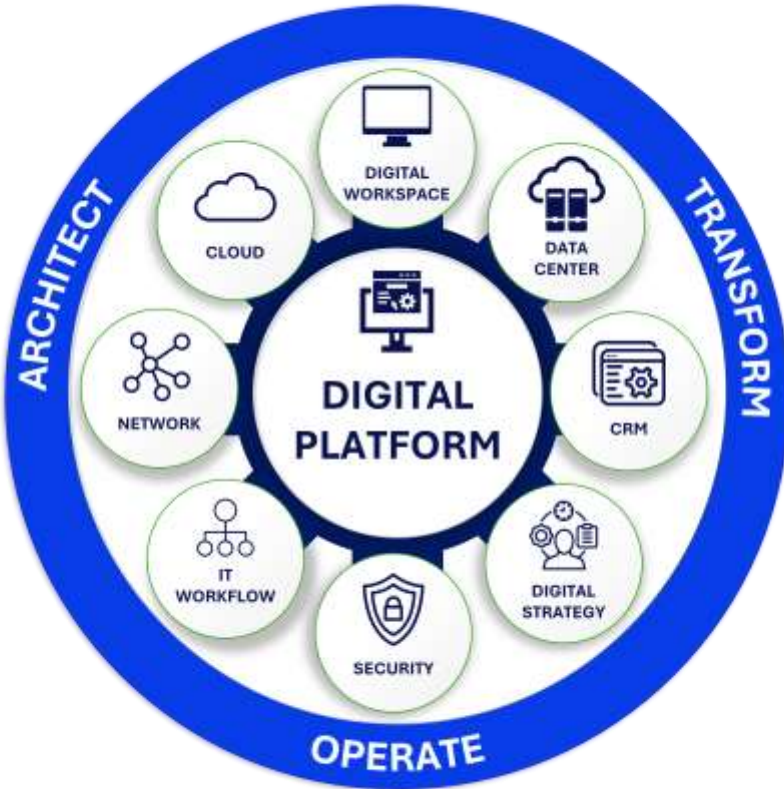
## Enhancing DevOps & Automation

- Scaling cloud deployments with Infrastructure as Code
- Developing DevOps practices
- Building CI/CD automation

## Combating Modern Security Threats

- Cloud Security & Governance Framework
- Threat Detection & Modern Security Architectures

# Our Approach



## ARCHITECT SOLUTIONS LIFECYCLE

- Cloud Cost Management
- IT Asset Management
- IT Financial Management
- Maintenance Renewals
- Product Procurement
- Roadmaps

## TRANSFORM CONSULTING SERVICES

- vCIO & vCISO Advisory
- Mergers & Acquisitions
- Program & Project Management
- IT Strategy
- Technology Consulting Services

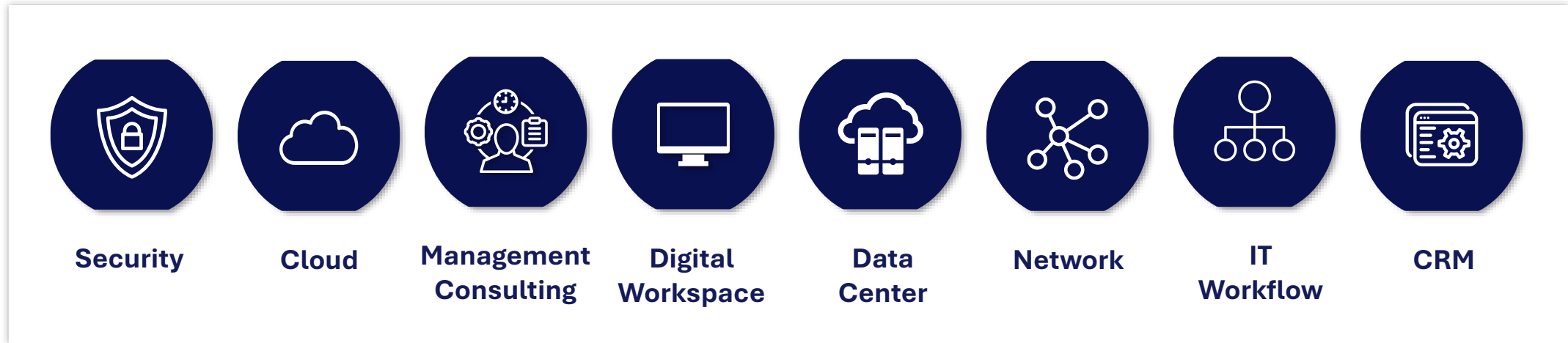
## OPERATE MANAGED SERVICES

- Business Applications
- Cloud
- Data Center
- Digital Workspace
- IT Workflow
- Network

# Our Approach



## DIGITAL PLATFORM



### ARCHITECT



### TRANSFORM



### OPERATE

#### Solutions Lifecycle

- Cloud Cost Management
- IT Asset Management
- IT Financial Management
- Maintenance Renewals
- Product Procurement
- Roadmaps

#### Consulting Services

- vCIO & vCISO Advisory
- Mergers & Acquisitions
- Program & Project Management
- IT Strategy
- Technology Consulting Services

#### Managed Services

- Business Applications
- Cloud
- Data Center
- Digital Workspace
- IT Workflow
- Network
- Security

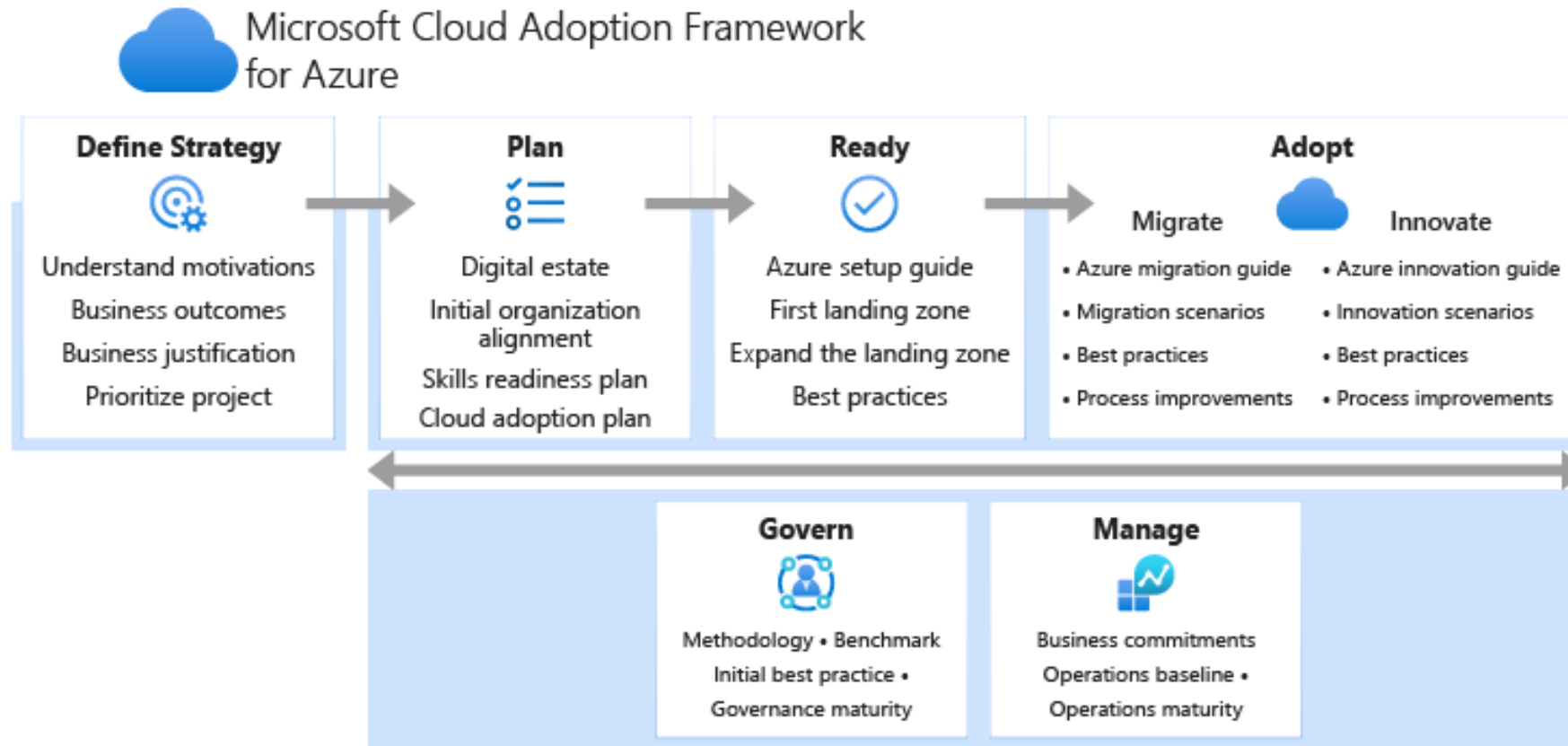


# ivision Cloud Skills

Architecture	Infrastructure Services	Platform Services	Automation	Development
<ul style="list-style-type: none"><li>• Well-Architected Design</li><li>• Resource Management and Governance</li><li>• High Availability and Disaster Recovery</li><li>• Cost and Performance Optimization</li><li>• Identity, Security and Encryption</li><li>• Migration (Rehosting, Replatforming, Refactoring)</li></ul>	<ul style="list-style-type: none"><li>• Compute</li><li>• Storage</li><li>• External Networking (WAN/VPN/Direct Connect)</li><li>• Network Policy and Management (VPC/WAF/ALB/NLB)</li><li>• IPAM</li><li>• DNS</li></ul>	<ul style="list-style-type: none"><li>• Identity, Security and Encryption</li><li>• App Containerization with Kubernetes / Docker</li><li>• Web Services</li><li>• Serverless / Cloud Native</li><li>• Databases and Data Warehouse</li><li>• Enterprise Service Bus</li></ul>	<ul style="list-style-type: none"><li>• Continuous Integration (CI)</li><li>• Continuous Delivery / Continuous Deployment (CD)</li><li>• Infrastructure As Code (IaC)</li><li>• Terraform / Ansible / Puppet / Chef / SaltStack</li><li>• Package Management</li><li>• Cross Platform Machine Images</li></ul>	<ul style="list-style-type: none"><li>• Enterprise Applications SDLC</li><li>• Web Applications</li><li>• Serverless / Cloud Native</li><li>• Microservices</li><li>• CQRS/Event Driven Architectures</li><li>• Test Driven Development</li></ul>
<b>Security</b>				



# ivision Alignment to Cloud Adoption Framework (CAF)



ivision delivery methodologies aligns with Microsoft Cloud Adoption Framework (CAF)

# Division Momentum Delivery Framework

## PLAN



### INITIATE ENGAGEMENT

- Conduct detailed discovery
- Outline requirements
- Identify risks
- Define team's roles
- Develop project plan

## DESIGN



### ARCHITECT SOLUTION

- Create a detailed design
- Define test plan
- Plan migration
- Submit change control requests

## EXCECUTE



### IMPLEMENT DESIGN

- Build out based on design
- Test and validate solution
- Conduct migration
- Manage risks

## CLOSE



### CLOSE PROJECT

- Validate client satisfaction
- Complete knowledge transfer
- Transition to operations

## OPERATE



### MANAGE SYSTEMS

- Manage daily operations, including change management
- Monitor performance & identify ways to continuously improve



# Azure Foundation | Landing Zone

## WORKLOAD DISCOVERY AND DESIGN



- Subscription and Management Group review and design
- Discuss naming standards and configuration
- Discuss Tagging standards
- Discuss IAM / RBAC
- Discuss Operations – Backup, Monitoring & DR Requirements
- Determine networking CIDR ranges
- Determine networking configurations within Azure & Hybrid
- Discuss firewall configuration and vendor

## DESIGN AND DOCUMENTATION



- Ivision prescriptive Azure Foundation (*Landing Zone*) drawing
- Design and documentation for all Foundation (*Landing Zone*) requirements

## DEPLOY



- Ivision deployment of Azure Foundation (*Landing Zone*) into customers environment
- Deployed with IAC – Infrastructure as Code

## OUTCOMES

- **Deployed Azure Foundation (*Landing Zone*)** –Deployment of an Azure Foundation (*Landing Zone*) to include Networking, VPN Gateway connectivity, Management Groups and Subscription design and governance, Base Line RBAC and Naming Standards
- **Azure Foundation Documentation** – Architectural diagrams including subscription topology, on-premises connectivity pathways, relevant resource group designs and other design aspects of the landing zone as described in the scope of work.
- **Knowledge Transfer** – Knowledge transfer for operational support





# ivision Azure Virtual Desktop

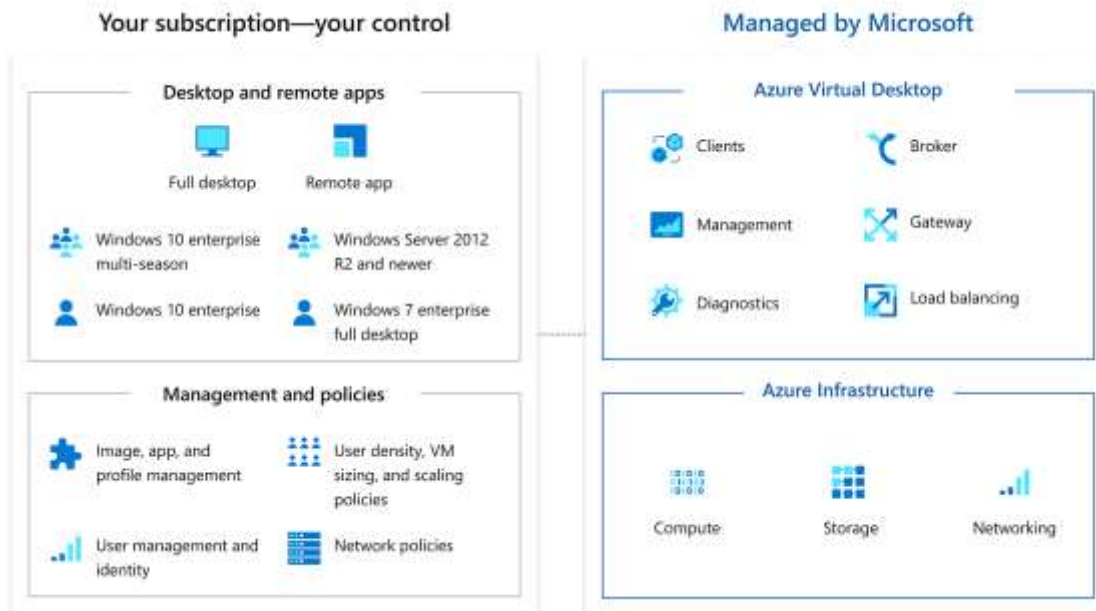
## Utilizing Azure Native Solution to solve VDI / Remote App in cost effective environment

### Overview

The ivision Azure Virtual Desktop Program accelerates deployment of VDI or Published Application environments to meet business needs with the burstable scale and cost efficiencies of Azure. This ranges from pilot deployment to validate technology to full deployment and incumbent VDI migration to AVD.



-  • **Deliver Windows 11 desktops and applications virtually anywhere** – Provide employees the best virtualized experience with the only solution fully optimized for Windows 11 and Microsoft 365.
-  • **Built-in intelligent security** – Help keep your applications and data secure and compliant with security capabilities that can proactively detect threats and take remedial action.
-  • **Deploy and scale in minutes** – Simplify deployment and management of your infrastructure and scale quickly based on your business needs.
-  • **Reduce cost using existing licenses** – Use existing eligible licenses to reduce costs with a modern cloud-based virtual desktop infrastructure (VDI) and pay only for what you use.



### Leveraging the following Azure Technologies:



Windows 10 / 11  
Multi Session



Nvidia GPU



GPU-Optimized  
Virtual Machines



Azure AD/Office  
365

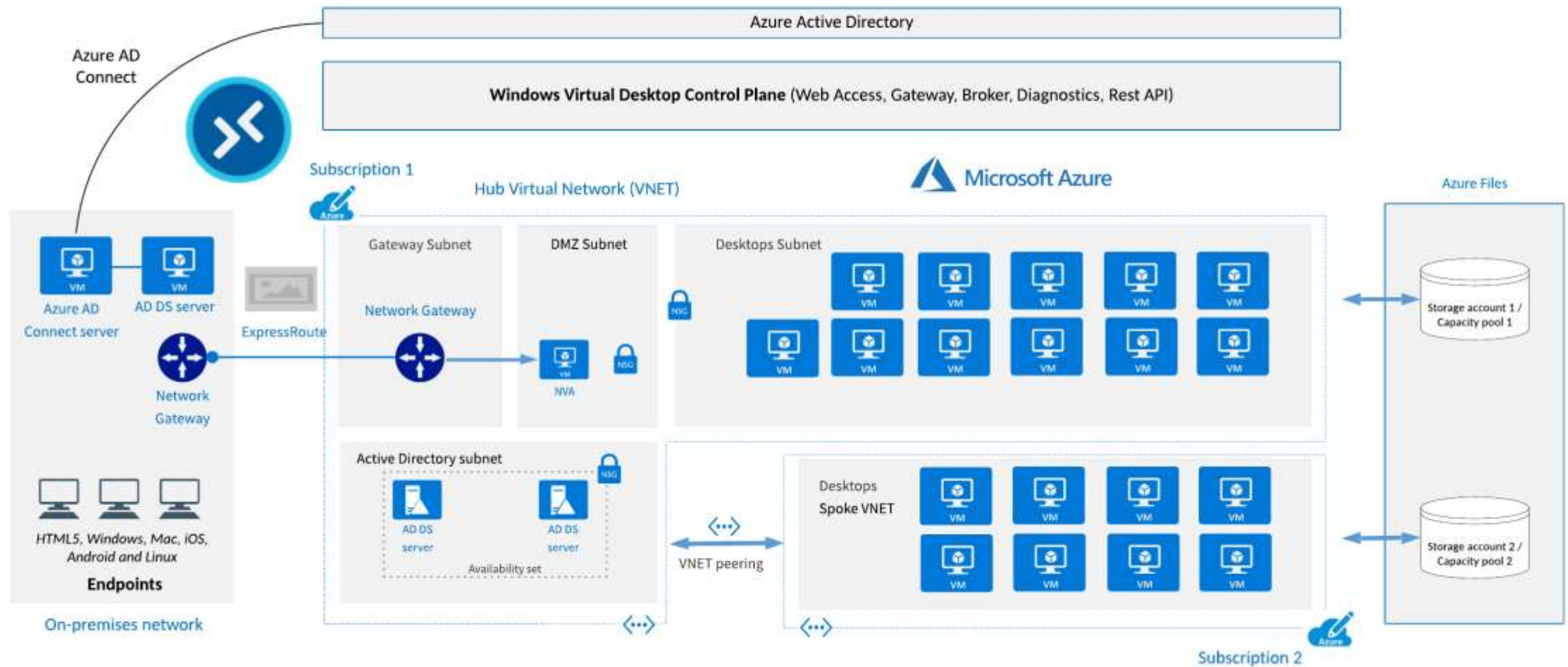


Automation



Azure Monitor and  
Log Analytics

# Azure Virtual Desktop High Level Architecture



# Foundation / ALZ Review & Design Phase

During this phase, all the critical information will be obtained for the current Foundation (*Landing Zone*) and AVD requirements to be designed and deployed for Azure Virtual Desktop.

## Critical Information Captured

- Subscription & Management Group design for AVD
- VNet & networking design for AVD
- Catalog naming conventions & tagging
- RBAC / IAM strategy for AVD
- Cost modeling & charge-back for AVD
- AVD Security model
- Azure Regions for AVD

1 week

1

Discovery Phase

# Azure Virtual Desktop Discovery Phase

During this phase all the critical information will be obtained from a user base of approximately XXX users.

## Critical Information Captured

- Operating Systems & Applications Discovery
- Business Process Discovery
- Hardware discovery
- Connectivity Discovery
- User Profile & Persona (Estimated 5) Definition  
Discovery
- End User Experience Success Criteria
- Teams and optimization requirements

1-2 week

2

Discovery Phase

# Azure Virtual Desktop Design Phase

During this phase, all the Azure Virtual Desktop technical specifications will be designed. Specific attention will be given to a best practice and simple implementation.

## Critical Information Captured

- Multi Session / Personal Host Pool Designs
- End-User Device Design
- Capacity Design
- Power Management
- Imaging & Application layering
- Alerting and Monitoring
- Profile Management
- Review designs with business stakeholders, security teams and compliance teams

1 - 2 weeks

3

Design Phase

# Azure Virtual Desktop Deployment Phase

During this phase, Azure Virtual Desktop will be deployed with the applicable Foundation (Landing Zone) changes and specifications.

## Critical Information Captured

- Deploy Subscriptions & Management Groups
- Deploy VNets
- Deploy applicable Fileshares (Storage Accounts)
- Configure existing Route Tables & Network Security Groups for ACL
- Deploy applicable amount of Host Pools – Multi Session / Personal
- Deploy Profile Containerization if required
- Enable Logging, Monitoring & Alerting

1 - 2 weeks

4

Deployment Phase

# Azure Virtual Desktop Pilot & Testing Phase

The identified pilot users will cease daily use of their personal devices and solely use the Azure Virtual Desktops assigned to them. Issues or disruptions in their experience will be addressed to fine-tune the solution and establish confidence in design for a wider organization rollout.

## Critical Information Captured

- Pilot user desktops go-live
- Desktop latency, usability and network infrastructure validated
- Desktop application portfolio and Axis's policies utilized in a real-world scenario
- Issues/bugs identified and resolved within backlog
- Develop Patching / Update methodologies
- Document process of user onboarding & communication plans
- Download and customize AVD End Point Agent as required
- Continual increase of Pilot Users





# Azure Virtual Desktop Pilot & Testing Phase

The identified production users will cease daily use of their personal devices and solely use the Azure Virtual Desktops assigned to them.

## Critical Information Captured

- Production user desktops go-live
- Continual monitoring of performance & end-user experience
- Follow user-wave migrations
- Download and customize AVD End Point Agent as required
- Continual increase of Production Users
- ivision will have prepared **Client** with the necessary documentation and knowledge to rollout at the pace of **Client's** business.
- ivision can support **Client** with additional time-based allocation (Optional)

TBD

6

Prod Release Phase

# ivision



678.999.3002



[www.ivision.com](http://www.ivision.com)

