

MICROSOFT AZURE CLOUD SERVICE CATALOG

CYBER ADVISORS

AZURE OFFERINGS

- Get Started with Azure
- Consuming Azure Services
- Microsoft 365
- Data Protection / Business Continuity
- Automation
- Transformation & Migration Services
- Maintenance & Management

GET STARTED WITH AZURE

ESTABLISH AN AZURE PRESENCE

Plan for establishing your initial Azure tenancy. Evaluate the best approach for creating your subscription, agreement terms and billing model. Develop a plan for your initial cloud architecture, connectivity model and base security posture.

AZURE PROOF OF CONCEPT

A guided introduction to Azure to plan and complete your initial Azure use. Gain a fundamental understanding of Azure concepts and tap into our team of experts to get your cloud journey moving forward.

ARCHITECT A CLOUD FOUNDATION

Plan and design your enterprise cloud landing zone that meets your business, IT and security requirements. Plan a true enterprise level cloud foundation to enable your initial cloud use case and support future needs as cloud consumption expands.

EXTEND YOUR DATA CENTER TO AZURE

Create a virtual colo capability in the cloud to extend your existing data center to Azure and allow for scaling out services or providing new disaster recovery capabilities. Perfect for anyone looking to start using Office 365.

BUILD NETWORK CONNECTIVITY TO THE CLOUD

Create secure reliable network connectivity from your data center or site into the Azure network backbone.

CLOUD STRATEGY & ORGANIZATIONAL PLANNING

Review and account for extending all IT service capabilities to the cloud - including areas like security, governance, operations, staffing, training, on-prem integrations and automation. Organizational change management is key!

CONSUMING AZURE SERVICES

IaaS - Infrastructure as a Service

INITIAL AZURE SETUP

Plan, setup and provision an Azure Tenancy, subscription, vNet(s), subnets, base security groups, and VPN connectivity. Consider service placement, multi-region and availability zone needs.

CREATE AN ENTERPRISE LANDING ZONE

Set up an Azure landing zone that follows your defined architecture, security and governance patterns to enable application migrations. Build out the connectivity, network, compute and storage components to land migrated services onto along with key services like identity and access management, certificate management, encryption, and essential security services.

LOAD BALANCING

Cloud native or 3rd party network and application load balancing.

ADVANCED NETWORKING

Enable additional networking services such as web application firewalls, Azure DNS, private connections, DNS, internet gateways, peering, content delivery networks, and DDoS protection.

VIRTUAL MACHINE PROVISIONING

Provision Windows or Linux Azure virtual machine instances to deploy applications services such as SQL Server, SharePoint, and more to enable relocating on-premise services or extending existing services to the cloud. Increase uptime and balancing of resources by configuring high availability, load balancing, failover.

GOLD IMAGE CREATION

Create customized & hardened golden images for standardization.

CLOUD FEDERATION

Deploy highly available Active Directory Federation Services (ADFS) in Azure to Federate with services outside of your organization.

REMOTE DESKTOP SERVICES

Enable a secure, remote desktop experience from anywhere utilizing the tried and true Remote Desktop Services (RDS) running in Azure.

DEVELOPMENT & TESTING LABS

Implement isolated and auto-scaling lab environments to support development and testing activities. Quickly provision development and test environments. Minimize waste with quotas and policies. Set automated shutdowns to minimize costs. Build Windows and Linux environments.

FILE STORAGE

Store and share documents and files using Azure Files. Synchronize your Azure Files repository to on-prem files servers or other Azure based resources.

SERVER AUTOMATION

Auto-scaling of VDI and servers, spin up/down servers, patching.

MICROSOFT SERVER ROLES

Deploy Microsoft server roles in your Azure environment such as Print, DNS, DHCP, certificate authority, network policy server and others.

ASSET INVENTORY

Gather detailed inventory of hardware, VM, and software assets using Azure Automation services to routinely scan and track your Azure and on-prem environments.

PaaS - Platform as a Service

AZURE SQL DATABASE

Simplify database administration overhead by switching to the Azure managed SQL platform.

EXTEND ACTIVE DIRECTORY TO THE CLOUD

Extend your AD domain to Azure for authentication and domain service by replicating your on-prem directory to your domain controllers running in Azure.

AZURE ACTIVE DIRECTORY

Leverage Azure Active Directory for cloud based identity and access management.

WINDOWS VIRTUAL DESKTOP

Enable a secure, remote desktop experience from anywhere reduced administrative burden using Windows Virtual Desktop PaaS services.

Security

ADDRESS REGULATORY REQUIREMENTS

Ensure regulatory (HIPAA, PCI) compliance by deploying templated security policy and infrastructure configuration following Microsoft and industry standardized frameworks.

VIRTUAL MACHINE PATCHING

Manage, deploy and audit virtual machine patching using Azure Update Management.

IMPLEMENT SECURITY POLICY

Deploy and enforce security policy for your cloud environment such as data loss prevention (DLP) and at rest encryption..

CHANGE TRACKING

Enable Change Tracking in Azure Automation services to track changes in virtual machines hosted in Azure, on-premises, and other cloud environments to help you pinpoint operational and environmental issues.

MULTI-FACTOR AUTHENTICATION

Add a second layer of authentication by enabling MFA and Conditional Access in Azure and with self-service user enrollment.

PERFORMANCE METRICS

Collect and visualize performance metrics for cloud based services using Azure Monitor.

SECURITY CENTER ENABLEMENT

With Security Center you can assess the security state of all your cloud resources, including servers, storage, SQL, networks, applications, and workloads that are running in Azure or on-premises - but there are a lot of moving pieces.

We can assist with enabling everything from the basic to the full set of features. A flexible and customized engagement could include things like reviewing your security score and recommendations, setting up permissions/management groups notifications, provisioning the Log Analytics agent, and deploying Azure Defender across various workloads.

LOG ANALYTICS

Collect logs from numerous sources. Easily store, retain, and query data collected from your monitored resources in Azure and other environments for valuable insights.

INFRASTRUCTURE MONITORING & ALERTING

Oversee health of your critical cloud and on-prem infrastructure and applications using Azure Monitor. Monitor all aspects from your tenant, subscription, resources, operating systems, and applications. Alert on findings, integrate with existing ISTM systems, and ultimately automatically take action on events to resolve and prevent issues.

APPLICATION GATEWAY

Build secure, scalable, and highly available web front ends in Azure.

AZURE ACTIVE DIRECTORY

Synchronize on-premises directories and enable single sign-on.

AZURE ACTIVE DIRECTORY DOMAIN SERVICES

Join Azure virtual machines to a domain without domain controllers.

AZURE DEFENDER

Protect hybrid cloud workloads.

AZURE DDOS PROTECTION

Protect your applications from Distributed Denial of Service (DDoS) attacks.

AZURE DEDICATED HSM

Manage hardware security modules that you use in the cloud.

AZURE FRONT DOOR

Scalable, security-enhanced delivery point for global, microservice-based web applications.

AZURE SENTINEL

Leverage the cloud-native security information and event manager (SIEM) platform that uses built-in AI to help analyze large volumes of data across an enterprise. This powerful SIEM Tool can be integrated with your existing SOC or utilized independently.

KEY VAULT

Safeguard and maintain control of keys and other secrets.

SECURITY CENTER

Unify security management and enable advanced threat protection across hybrid cloud workloads.

VPN GATEWAY

Establish secure, cross-premises connectivity.

WEB APPLICATION FIREWALL

A cloud-native web application firewall (WAF) service that provides powerful protection for web apps.

MICROSOFT 365

MICROSOFT 365 JUMPSTART

Get started with Microsoft 365 to access all of the great application and tools like Word, Excel, PowerPoint, Outlook, OneNote, OneDrive and Teams.

EXCHANGE ONLINE ENTERPRISE FEATURES

Enable enterprise features like unlimited storage and unified messaging services, with advanced security features like Data Loss Prevention (DLP), In-Place Hold, and hosted voicemails.

ONEDRIVE FOR BUSINESS

Configure a personal file storage area that each employee gets with an Microsoft 365 subscription. OD4B is useful for saving personal (but work-related) files, initial document drafts, and files you need to share with a very small group of people. We can help with data migration also.

SKYPE FOR BUSINESS ONLINE / TEAMS

Enable powerful collaboration using Skype / Teams. In addition to messaging and online meetings, you can integrate voice services (VoIP) using SIP trunks.

SHAREPOINT ONLINE

Set up a SharePoint portal in Microsoft 365.

SHAREPOINT STAND-ALONE

Deploy SharePoint on your on-prem or Azure infrastructure with flexible levels of integration and customization.

DATA PROTECTION / BUSINESS CONTINUITY

Data Protection

BACKUP AS A SERVICE (BAAS)

Use Azure File Sync to centralize your organization's file shares in Azure, while keeping the flexibility, performance, and compatibility of an on-premises file server. File shares can be Active Directory integrated. Azure File Sync transforms Windows Server into a quick cache of your Azure file share with the optional cloud tiering feature. You can use any protocol that's available on Windows Server to access your data locally, including SMB, NFS, and FTPS.

AZURE BACKUP

Simple and reliable server backup to the cloud. Schedule daily backups of files/folders that can be stored in different geographical areas using Azure Backup agents. Or take virtual machine checkpoints/snapshots before making modifications or changes that could potentially cause issues with applications or services.

3RD PARTY DATA PROTECTION

Leverage 3rd party backup solutions to provide additional flexibility that cloud native services don't offer for protect both on and off prem data.

BC / DR

DR SITE RECOVERY

Replicate production servers for recovery in the cloud using Azure Site Recovery services - Azure's built-in disaster recovery as a service (DRaaS). Help your business to keep doing business—even during major IT outages. Deploy replication, failover, and recovery processes through Site Recovery to help keep your applications running during planned and unplanned outages. Supported on Azure VMs replicating between Azure regions, On-premises VMs, Azure Stack VMs, and physical servers.

REGIONAL DATA PROTECTION

For applications requiring high availability, you can choose to additionally copy the data in your storage account to a secondary region that is hundreds of miles away from the primary region. If your storage account is copied to a secondary region, then your data is durable even in the case of a complete regional outage or a disaster in which the primary region isn't recoverable.

AUTOMATION

AZURE AUTOMATION

Leverage Azure native automation service to perform routine tasks

TERRAFORM / ANSIBLE / OTHERS...

Use industry recognized automation tools to develop infrastructure as code capabilities to ensure environment consistency and efficiency.

TRANSFORMATION & MIGRATION SERVICES

AZURE MIGRATION PLANNING

Determine Azure migration scope and readiness. Assess whether on-premises machines are ready for migration to Azure. Estimate the size of Azure VMs after migration. Estimates costs for running on-premises servers.

READINESS ASSESSMENTS

Microsoft sponsored migration readiness assessment engagement. Evaluate Azure compatibility, determine environment sizing, map application dependencies, and create cost estimates.

MIGRATE APPLICATIONS & SERVICES

Plan and execute relocating servers and applications to Azure. Includes project management and expert level technical engineering.

MAINTENANCE & MANAGEMENT

AZURE MANAGED SERVICES

A customized bundle of monitoring, management and support services delivered in a subscription based OpEx model.

AZURE SUBSCRIPTION REVIEW & HEALTH CHECK

Review existing subscriptions, Azure VPN configuration, VNet architecture, role-based access controls (RBAC), Azure VM(s) setup/configuration. Document recommendations and present to customer for review and discussion.