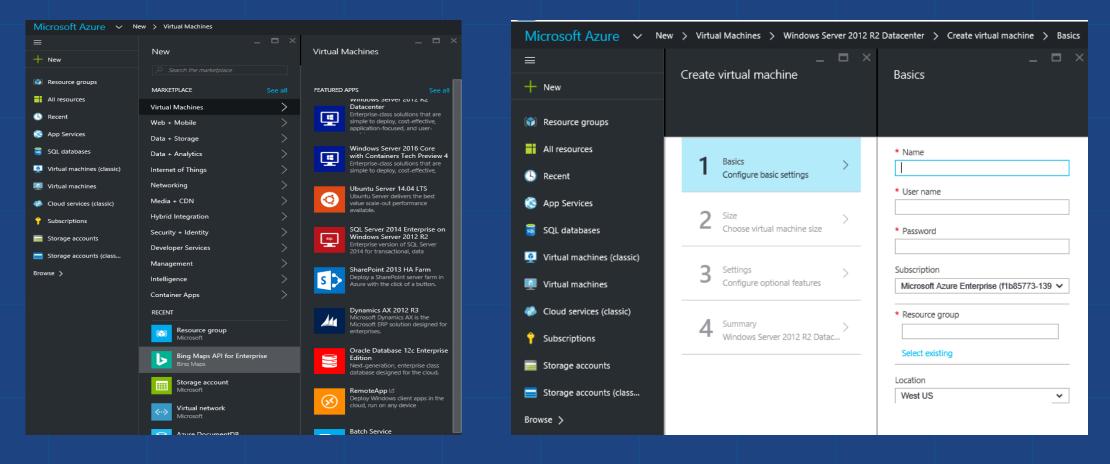


Azure Management Portal

https://portal.azure.com



https://blogs.msdn.microsoft.com/azureedu/2016/10/29/introduction-to-azure-enterprise-and-subscription-management/

Command Line & Dev Tools

Visual Studio, SQL Server Management Studio etc

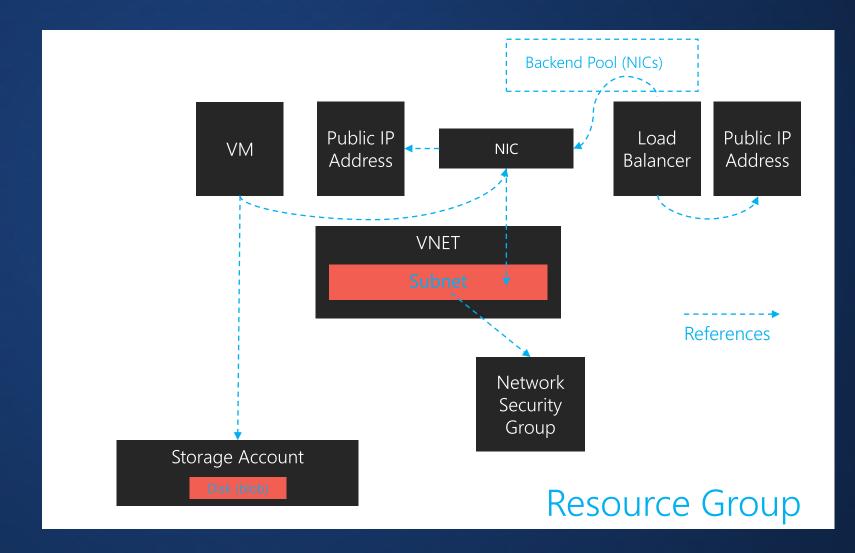
Azure Powershell, CLI

Microsoft Azure Management Libraries (.net, Node.js, Java, php)

Service Management REST API (HTTP-based)

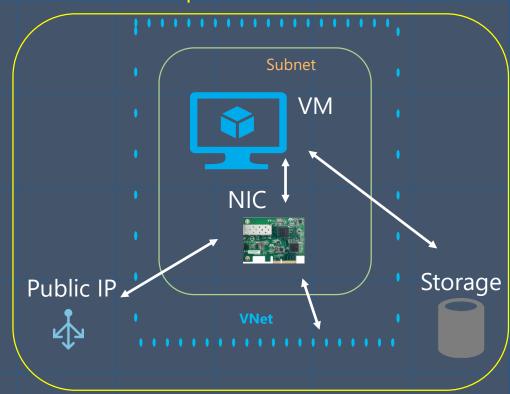
Azure Resource Model

- Deploy, manage & monitor resources as a group
- Orchestrate Deployment using Template
- Organize Resources with tags



Azure Resource Manager: Building a Virtual Machine

Resource Group



virtualMachine

- hardwareProfile
- osProfile
- storageProfile
- networkProfile

networkInterface

- privatelPAllocationMethod

storageAccount

accountType

publicIPAddress

- allocationMethod
- domainNameLabel

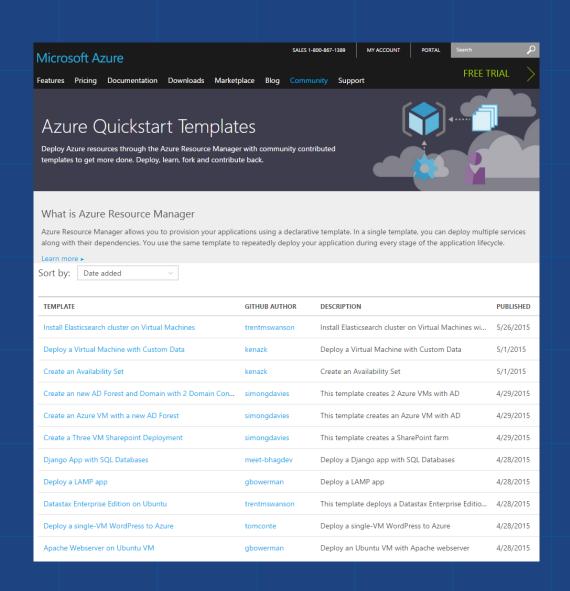
virtualNetwork

- addressSpace
- Subnet
 - addressPrefix

https://github.com/Azure/azure-quickstart-templates/tree/master/101-vm-simple-windows

Getting Started with Azure Templates

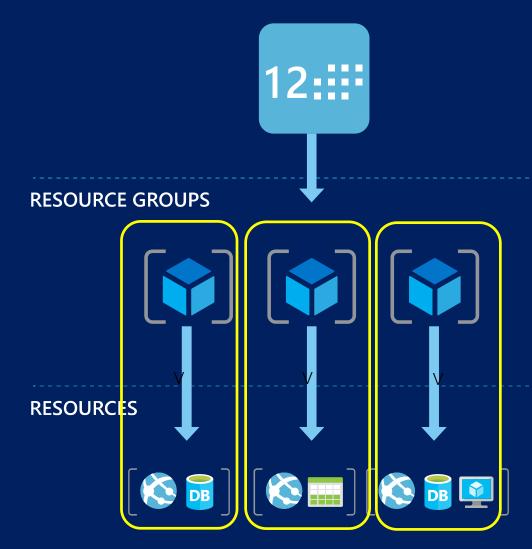
- Wide range of Quickstart Templates
 - Indexed on Azure.com
 - Github Repo https://github.com/Azure/azure-guickstart-templates
 - Community & Microsoft contributed
- Integration of laaS with Azure Services
- Azure Resource Explorer
- https://resources.azure.com/



Role Based Access Control

ACCESS INHERITANCE

SUBSCRIPTION



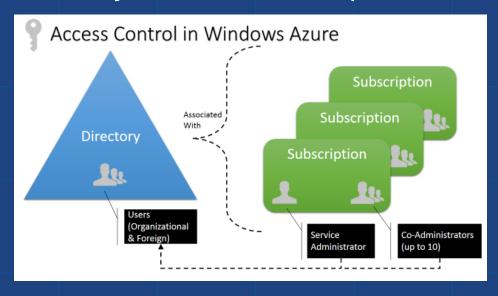




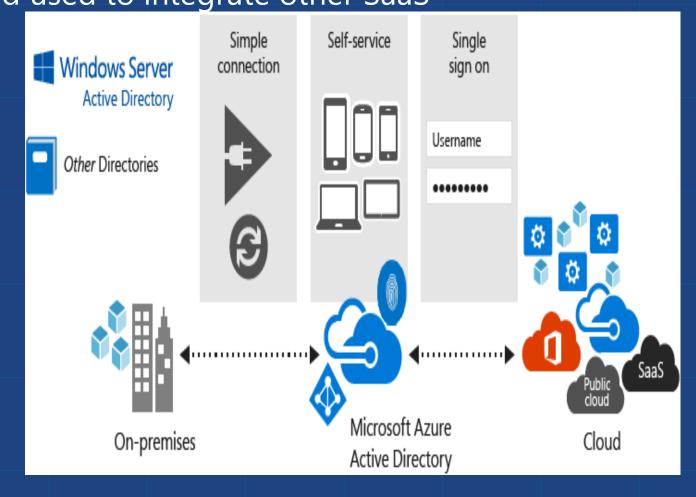


Azure Active Directory

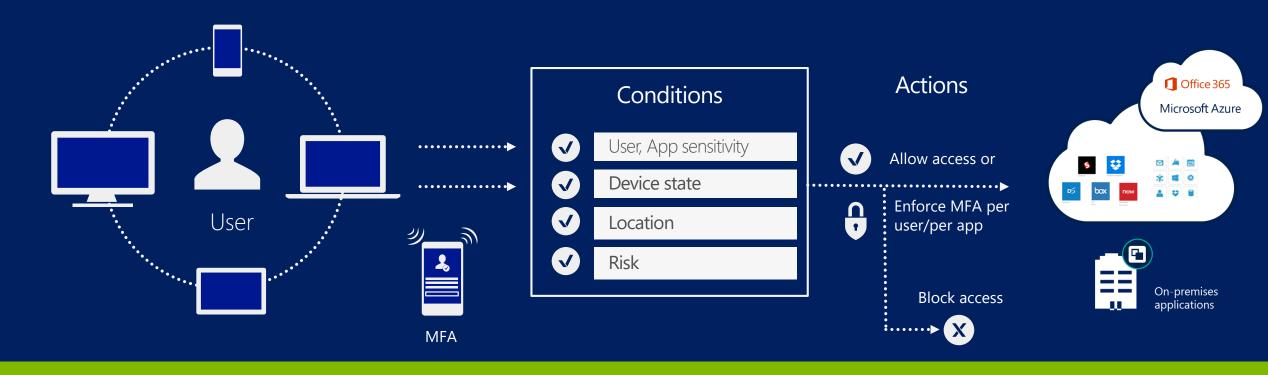
Every Azure Subscription has a trust relationship with an Azure AD instance which can be synched with On-premise and used to integrate other SaaS







Identity-driven security



IDENTITY PROTECTION

NOTIFICATIONS, ANALYSIS, REMEDIATION, RISK-BASED POLICIES



CLOUD APP DISCOVERY



PRIVILEGED IDENTITY MANAGEMENT



Compliance

Azure has the largest compliance portfolio in the industry

INDUSTRY

























UNITED STATES



























DIACAP



REGIONAL





























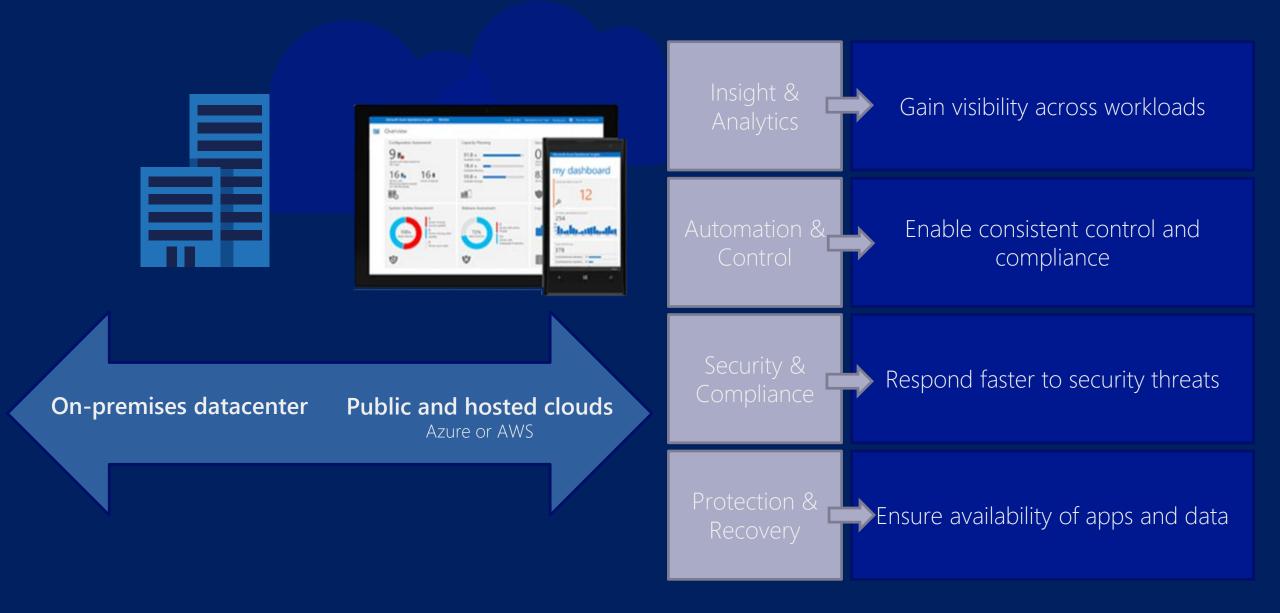




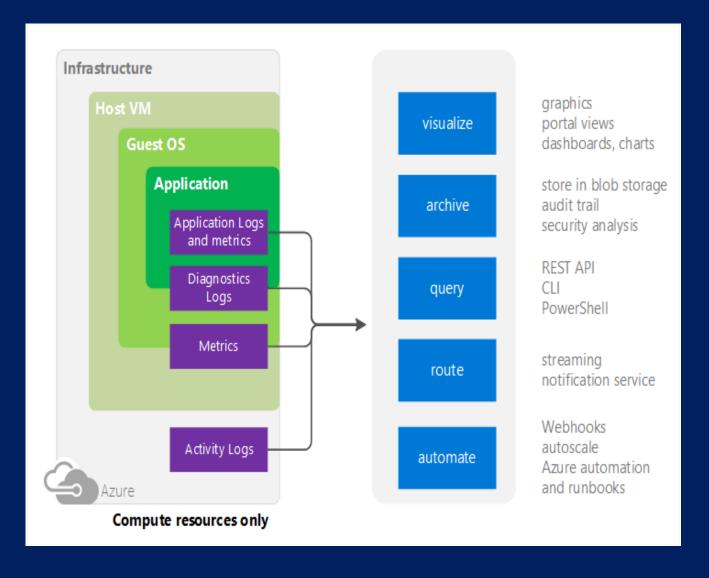




Operations Management Suite



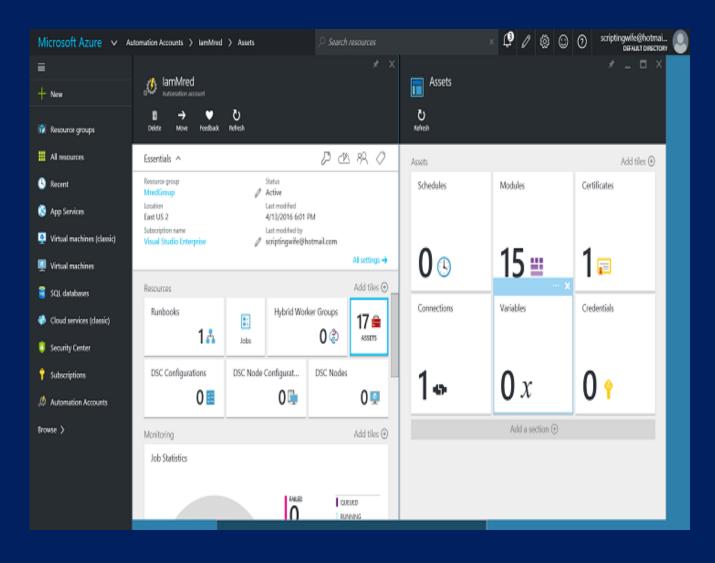
Monitoring & Logging



- Azure Monitor Offers visualization, query, routing, alerting, autoscale, and automation on data both from the Azure infrastructure (Activity Log) and each individual Azure resource (Diagnostic Logs).
- Application Insights Provides rich detection and diagnostics for issues at the application layer of your service, well-integrated on top of data from Azure Monitoring.
- OMS Log Analytics Real-time insights using integrated search and custom dashboards to readily analyze millions of records across all of your workloads and servers regardless of their physical location.

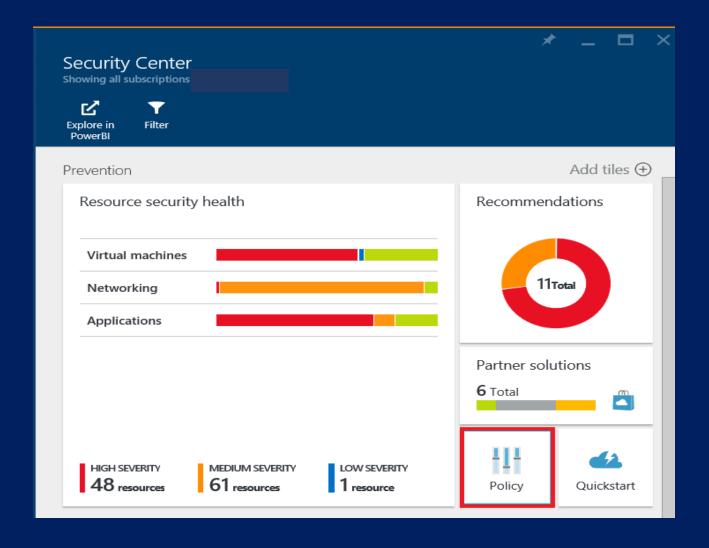
Data is kept for 90 Days

Automation & Control



- Azure Automation Run As Account A certificate, a connection, and a credential.
- A runbook is a set of tasks that perform some automated process in Azure Automation.
 Examples – Shutdown VMs, Truncate SQL DB, Scheduled file copies etc. Based on Windows PowerShell or Windows PowerShell Workflow.
 Runbooks can be scheduled to either run once or on a reoccurring hourly or daily
- OMS Automation enables you to set up automated processes, including remediation, that ensure you can meet tight SLAs and respond to business needs faster. OMS is designed to manage and control activities across a hybrid cloud, including support for Linux and AWS.

Security & Compliance



Azure Security Center delivers easy-to-use and effective threat prevention, detection, and response capabilities that are built in to Azure

- Prevent Monitors the security state of your Azure resources
- Detect Automatically collects and analyzes security data from your Azure resources, the network, and partner solutions like antimalware programs and firewalls
- Respond Provides prioritized security incidents/alerts

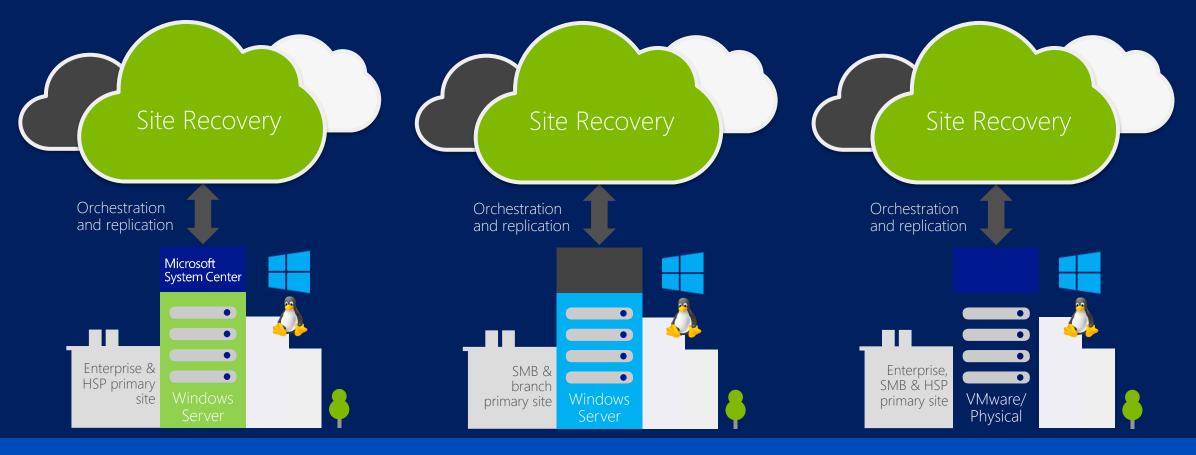
The Standard tier provides the Free tier features plus advanced detections: threat intelligence, behavioral analysis, crash analysis, and anomaly detection.

Azure Backup

Cloud Backup Solution

- Backup as a Service
- Supports Azure IaaS VM, Windows Client, Server file/folder, VMs (Linux & Windows), SQL Server, Exchange Server, SharePoint Server
- Integrates with SCDPM or download a lightweight agent
- Flexible long term retention policy
- Granular recovery

Azure Site Recovery: Protect



Key features include:

Use Azure as your replication site
Automated VM protection and replication
Remote health monitoring

Customizable recovery plans

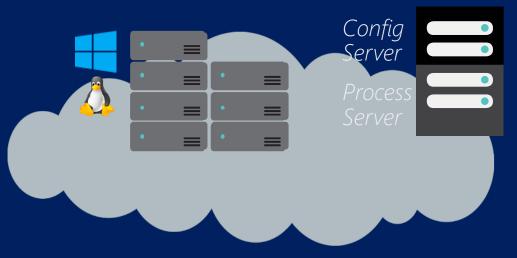
No-impact recovery plan testing

Orchestrated recovery of tiered applications

Replication into Azure for SMBs and remote branch offices without System Center

Support for heterogeneous environments

Azure Site Recovery: Recover



Source: VMware VMs, Hyper V VMs & Physical Servers











Demo