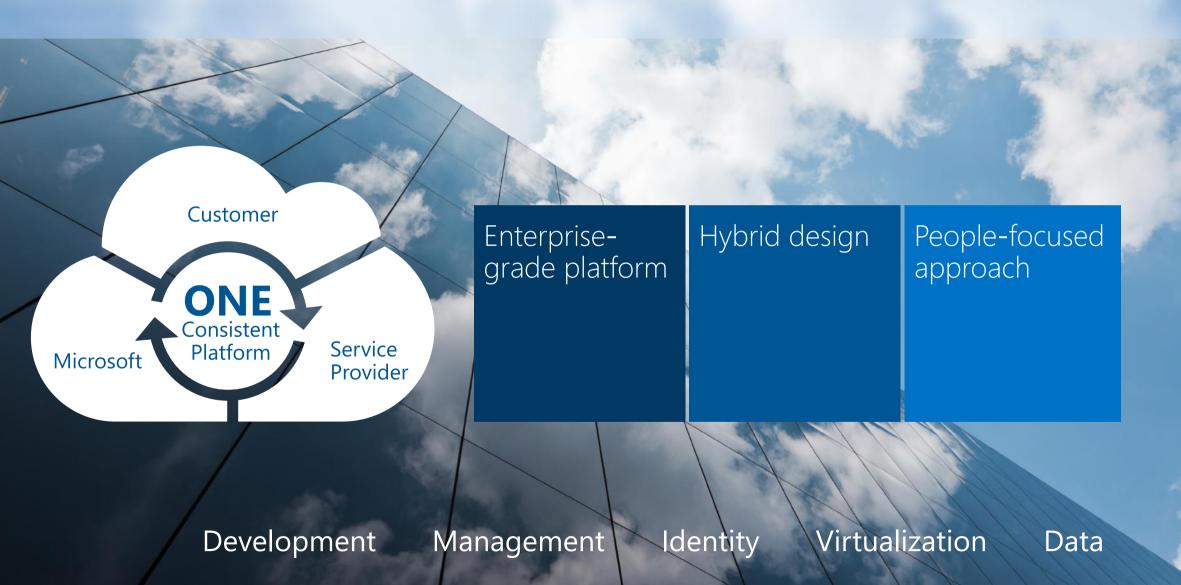


Microsoft's vision: Cloud OS



Microsoft Azure Cloud Leader on IAAS in Gartner





As of May 2015

Microsoft Leader in PAAS





Microsoft Azure Leader in Cloud Storage





Microsoft Azure Leader in Disaster Recovery as a Service



Microsoft Azure Active Directory



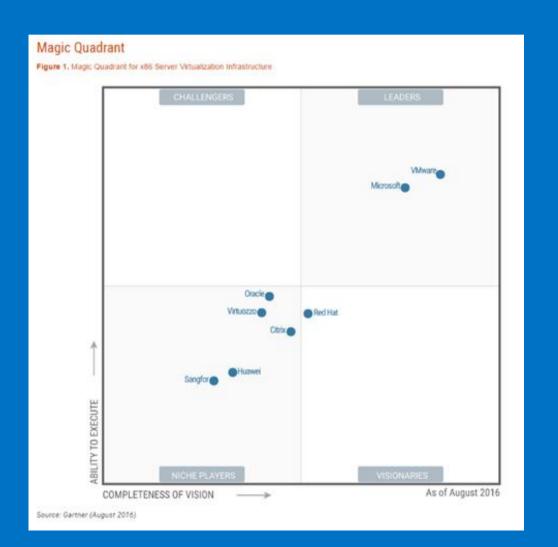
Microsoft Enterprise Mobility Suite -EMS



COMPLETENESS OF VISION

Microsoft is a leader in the Gartner 2016 x86 Virtualization Magic Quadrant





Microsoft SCCM – Client Management Tools – leader

for 11 years



Microsoft & Gartner

	Leaders Quadrant						
Gartner MQs	## Microsoft	enazon webservices	salesforce	Google			
Application Development Lifecycle Management	•						
Business Intelligence and Analytics Platforms	•						
Cloud Infrastructure as a Service (IaaS)	•	•					
CRM Customer Engagement Center	•		•				
Data Warehouse and Data Management Solutions for Analytics	•						
Disaster Recovery as a Service (DRaaS)	•						
Enterprise Application Platform as a Service	•		•				
Enterprise Content Management	•						
Horizontal Portals	•		•				
Identity as a Service (IDaaS)	•						
Mobile Application Development Platforms	•		•				
Operational Database Management Systems	•	•					
Public Cloud Storage Services	•	•					
Sales Force Automation	•		•				
Social Software in the Workplace	•		•				
Unified Communications	•						
Web Conferencing	•						
X86 Server Virtualization Infrastructure	•						

Gartner client endpoint protection

Magic Quadrant

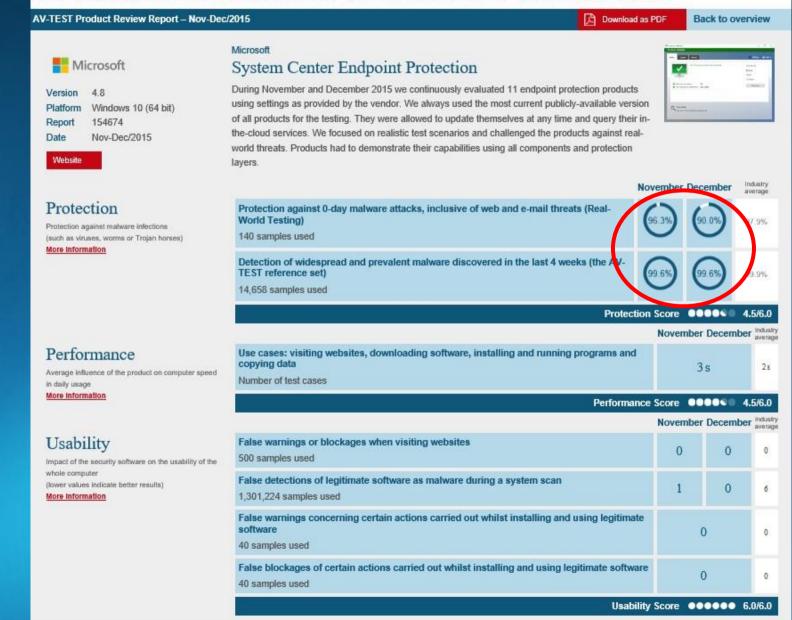
Figure 1. Magic Quadrant for Endpoint Protection Platforms



System Center Endpoint Protection AV TEST

https://www.avtest.org/en/antivirus/businesswindows-client/windows-10/december-2015/microsoft-systemcenter-endpoint-protection-4.8-154674/

The best antivirus software for Windows Client Business User



System Center Endpoint Protection AV TEST

The best antivirus software for Windows Client Business User

AV-TEST Product Review and Certification Report - Mar-Apr/2016



Download as PDF

Back to overview



Version 4.8

Platform Windows 10 (64 bit)

Report 161574

Date Mar-Apr/2016

Website

Protection

Protection against malware infections (such as viruses, worms or Trojan horses)

More information

Microsoft

System Center Endpoint Protection

During March and April 2016 we continuously evaluated 12 endpoint protection products using settings as provided by the vendor. We always used the most current publicly-available version of all products for the testing. They were allowed to update themselves at any time and query their in-the-cloud services. We focused on realistic test scenarios and challenged the products against real-world threats. Products had to demonstrate their capabilities using all components and protection layers.





Protection against 0-day malware attacks, inclusive of web and e-mail threats (Real-World Testing)

164 samples used

Detection of widespread and prevalent malware discovered in the last 4 weeks (the AV-TEST reference set)

22,795 samples used



April

Industry average







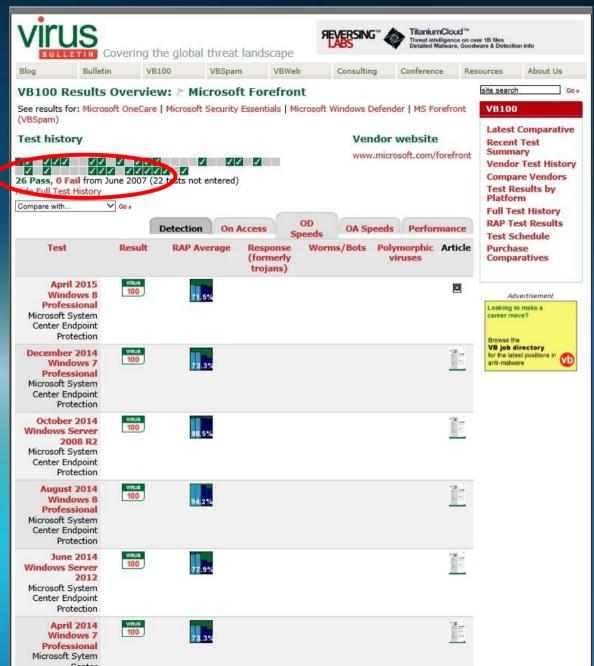




99.0%

System Center Endpoint Protection VB100% from 2007- 2016

https://www.virusbulletin.com/testing/results/recent/v
b100-antimalware/microsoft-ff



Endpoint Protection - ICSA Labs certified

https://www.icsalabs.com/vendor/microsoft-corporation



TESTING SERVICES

CERTIFIED PRODUCTS

HEALTH IT

OG KNOWLEDGE

NEWS & EVENTS

COMPANY

Microsoft Corporation

Microsoft

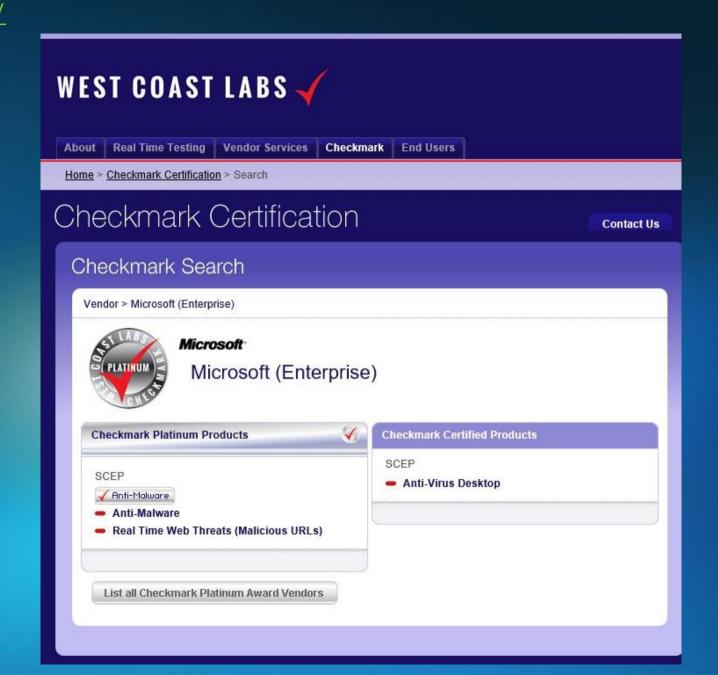
Microsoft (Nasdaq "MSFT") is the worldwide leader in software, services and solutions that help people and businesses realize their full potential. Microsoft is working to deliver business ready security to help companies achieve their business goals while managing risk and helping ensure that the right people always have access to the information they need to get their jobs done. Microsoft Forefront Security products deliver protection, access, and management solutions, built around user identity and integrated with a highly secure, interoperable platform. Our solutions help to deliver a more contextual and user-centric security solution aligned to the needs of our customers.

(i) Visit http://www.microsoft.com/

Technology Program	Vendor	Product Testing Reports	Certification	Product Version	Date	Certification Type	Operating System
Anti-Spyware	Microsoft Corporation	System Center 2012 Endpoint Protection	Anti-Spyware Certification			Corporate	Windows 7 64- bit
Anti-Virus	Microsoft Corporation	System Center 2012 Endpoint Protection	Desktop / Server Anti-virus Detection			Corporate	Windows 7 64- bit
Anti-Virus	Microsoft Corporation	System Center 2012 Endpoint Protection	Anti-Virus Cleaning			Corporate	Windows 7 64- bit
Anti-Virus	Microsoft Corporation	System Center 2012 Endpoint Protection	Desktop / Server Anti-virus Detection			Corporate	Windows 8 64- bit
Anti-Virus	Microsoft Corporation	System Center 2012 Endpoint Protection	Anti-Virus Cleaning			Corporate	Windows 8 64- bit
Anti-Virus	Microsoft Corporation	System Center Endpoint Protection (Defender)	Desktop / Server Anti-virus Detection			Corporate	Windows 10 64- bit
Anti-Virus	Microsoft Corporation	System Center Endpoint Protection (Defender)	Anti-Virus Cleaning			Corporate	Windows 10 64- bit

Endpoint Protection WestCoast Labs CheckMark certified

http://www.checkmarkcertified.com/enterprise/





National Information Assurance Partnership

Common Criteria Certificate

is awarded to



Microsoft Corporation

for

Microsoft Windows 8 and Windows Server 2012

The IT product identified in this certificate has been evaluated at an accredited testing laboratory using the Common Methodology for IT Security Evaluation (Version 3.1) for conformance to the Common Criteria for IT Security Evaluation (Version 3.1). This certificate applies only to the specific version and release of the product in its evaluated configuration. The product's functional and assurance security specifications are contained in its security target. The evaluation has been conducted in accordance with the provisions of the NIAP Common Criteria Evaluation and Validation Scheme and the conclusions of the testing laboratory in the evaluation technical report are consistent with the evidence adduced. This certificate is not an endorsement of the IT product by any agency of the U.S. Government and no warranty of the IT product is either expressed or implied.

Date Issued: 2015-01-09

Validation Report Number: CCEVS-VR-VID10520-2015

CCTL: Leidos (formerly SAIC) Common Criteria Testing Laboratory

Assurance Level: PP Compliant

Protection Profile Identifier:

General-Purpose Operating System Protection Profile



National Information Assurance Partnership

Common Criteria Certificate

is awarded to



for

Microsoft Windows 10



The IT product identified in this certificate has been evaluated at an accredited testing laboratory using the Common Methodology for IT Security Evaluation (Version 3.1) for conformance to the Common Criteria for IT Security Evaluation (Version 3.1). This certificate applies only to the specific version and release of the product in its evaluated configuration. The product's functional and assurance security specifications are contained in its security target. The evaluation has been conducted in accordance with the provisions of the NIAP Common Criteria Evaluation and Validation Scheme and the conclusions of the testing laboratory in the evaluation technical report are consistent with the evidence adduced. This certificate is not an endorsement of the IT product by any agency of the U.S. Government and no warranty of the IT product is either expressed or implied.

Date Issued: 2016-01-29

Validation Report Number: CCEVS-VR-VID10677-2016

CCTL: Leidos (formerly SAIC) Common Criteria Testing Laboratory

Assurance Level: PP Compliant

Protection Profile Identifier:

Protection Profile for Mobile Device Fundamentals Version 2.0

Original Signed By

Director, Common Criteria Evaluation and Validation Scheme National Information Assurance Partnership Original Signed By

Information Assurance Director National Security Agency

The value of the Microsoft Virtualization & management platform

Features

The features you need, native to the platform. No additional product/licensing necessary



Technology

The same technology that supports Azure—supporting your business



Integration

Better together with other Microsoft technologies, such as Active Directory, SQL, Exchange, and SharePoint



Third-party

Linux support, along with many third-party vendors: SAP, Oracle, and others



Moving to Hyper-V is the first step to the Cloud with Azure and Azure Stack Using System Center & Operations Management Suite for management at all three layers: physical, virtual and application

Hybrid Cloud Story

..............

Windows Server 2008 R2

System Center 2007

Windows Server 2012

System Center 2012

Windows Server 2012 R2

System Center 2012 R2

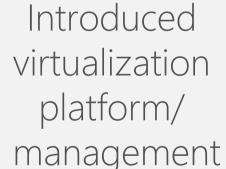
Microsoft Azure

...............

Windows Server 2016

System Center 2016

Microsoft Azure



Industry-leading scale and performance

Azure as design point

Cloud-first innovation:
Infrastructure and application platform

Release history and roadmap



Windows Server 2003



Windows Server 2003 R2



Windows Server 2008



Windows Server 2008 R2



Windows Server 2012



Windows Server 2012 R2



Windows Server 2016

2003

2005

2008

2010

2012

2013

2016

Operations Manager

Data Protection Manager Virtual Machine Manager Operations Manager Service Manager
Orchestrator
Data Protection
Manager
Virtual Machine
Manager
Operations
Manager

System Center 2012

Windows Azure Services for Windows Server System Center 2012 R2

Azure Pack

System Center 2016

Azure Stack

Managed server infrastructure with robust web platform

Virtualization & management

Dynamic datacenter

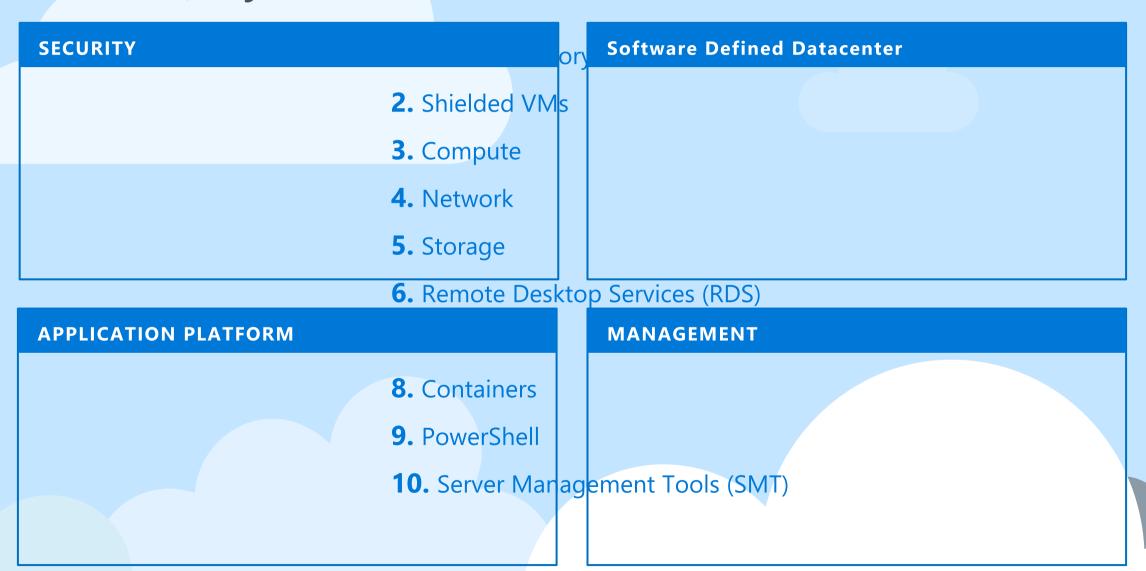
Private cloud and the Cloud Platform

Cloud Platform

10 reasons you'll love Windows Server 2016

- 1. Active Directory
- 2. Security
- 3. Compute
- 4. Network
- **5.** Storage
- **6.** Remote Desktop Services (RDS)
- 7. Nano Server
- 8. Containers
- 9. PowerShell
- **10.** Server Management Tools (SMT)

10 reasons you'll love Windows Server 2016



Windows Server 2016 Security



Hyper-V (Fabric) Security

Protecting virtual machines

- ✓ Shielded VMs (Server 2012, 2016 guests)
- ✓ Guarded fabric attesting to host health
- ✓ Secure boot for Windows and Linux

Hyper-V platform

- ✓ Nano based Hyper-V host
- ✓ Virtualization Based security

Secure containers

- ✓ Hyper-V containers
- ✓ Containers hosted in a Shielded VM.



Infrastructure and application security

Privileged Identity

- ✓ Credential Guard
- ✓ Just In Time administration
- ✓ Just Enough administration

Threat resistance

- ✓ Control Flow Guard
- ✓ Code Integrity (Device Guard)
- ✓ Built in anti-malware
- ✓ Nano Server reduces attack surface

Threat detection

✓ Enhanced threat detection

Protect virtual machines Host Guardian Service



Spotlight capabilities

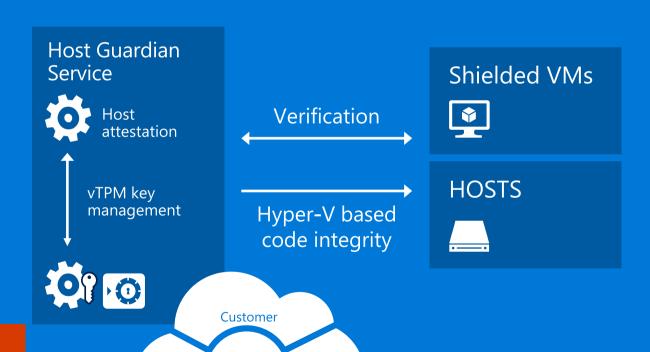
Host Guardian Service holds keys of the legitimate fabrics as well as encrypted virtual machines

Host Guardian Service runs as a service to verify if it is a trusted machine

Host Guardian Service can **live anywhere** even as a virtual machine

guarded-98d2b045 https://blogs.technet.microsoft.com/datacentersecurity/201 6/06/06/step-by-step-creating-shielded-vms-withoutvmm/

https://gallery.technet.microsoft.com/shielded-vms-and-



Service

FABRIC GUARDIAN

Microsof

Windows Server 2016 approach

Credential Guard

Prevents Pass the Hash and Pass the Ticket attacks by protecting stored credentials through Virtualization based Security

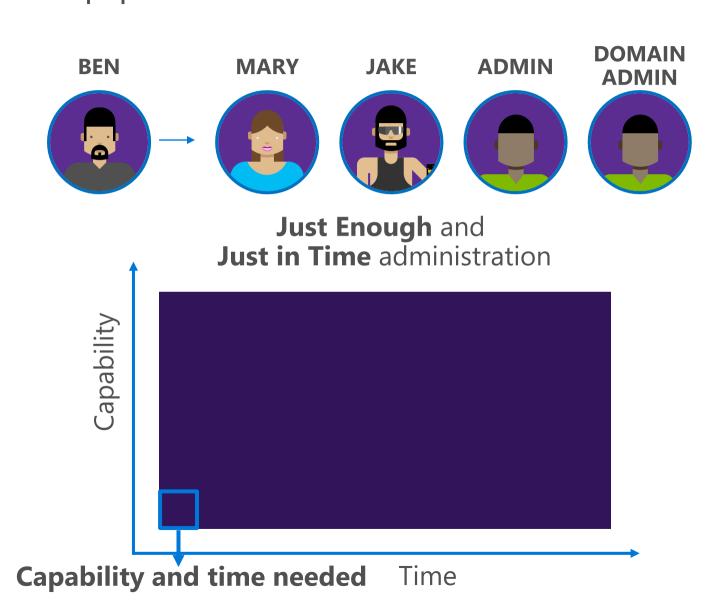
Just Enough

Administration Limits administrative privileges to the bare-minimum required set of actions (limited in space)

Just in Time

Administration Provide privileged access through a workflow that is audited and limited in time

JEA + JIT = limited in time & capability



Protecting Active Directory and Admin privileges

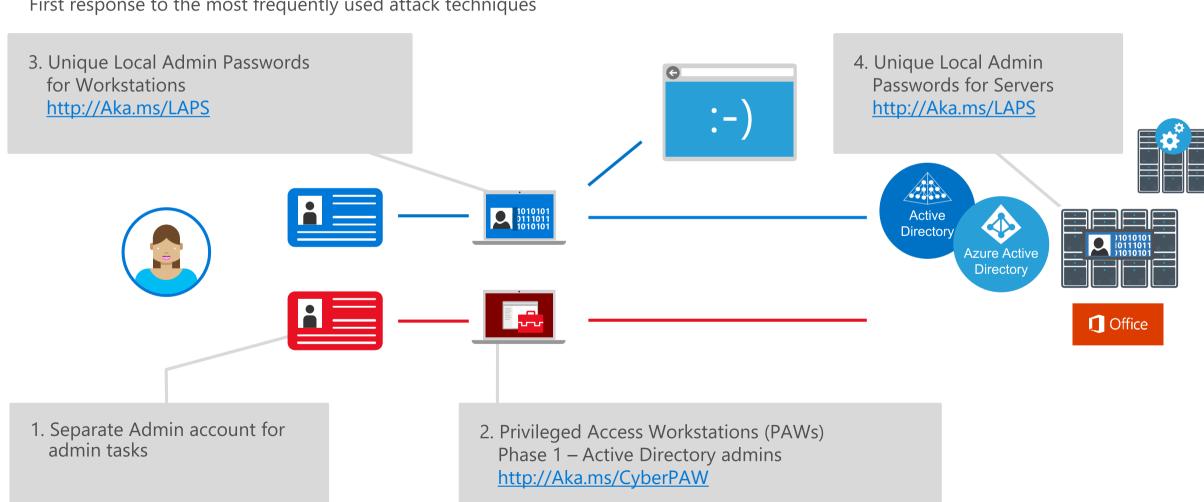
http://aka.ms/privsec

2-4 weeks

1-3 months

6+ months

First response to the most frequently used attack techniques



Classified as Microsoft General by ovidiup@microsoft.com

New deployment option: Nano Server

Just enough OS

Optimized for modern applications

Higher density and performance

Reduced attack surface and servicing requirements

Next-gen distributed app frameworks

Interoperate with existing server applications

Traditional VM workloads



Server Core
Lower maintenance
server environment

Third-party applications RDS experience



Full GUI

Specialized workloads

Containers and modern applications



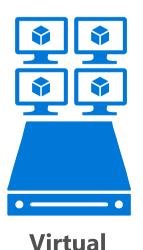
Windows Server 2016 Containers

A new approach to build, ship, deploy, and instantiate applications



Applications traditionally built and deployed onto physical systems with 1:1 relationship New applications often required

New applications often required new physical systems for isolation of resources

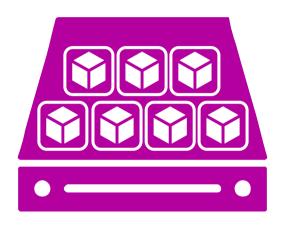


Higher consolidation ratios and better utilization

Faster app deployment than in a traditional, physical environment

Apps deployed into VMs with high compatibility success

Apps benefited from key VM features; i.e., live migration, HA



Package and run apps within **containers**

Physical/Virtual

Key Benefits

Further accelerate of app deployment
Reduce effort to deploy apps
Streamline development and testing
Lower costs associated with app deployment
Increase server consolidation

Windows Server 2016 Hyper-V Capabilities

- Support for Nano Server
- Virtual Secure Mode
- Nested Virtualization
- VM Compute Resiliency
- Hyper-V Hot Add/Remove Fixed Memory
- Hyper-V Hot Add/Remove Virtual NICs
- Storage Quality of Service
- Production Checkpoints
- Hyper-V Aware Host Anti-Malware

- Multi-Level Storage Tiering
- Instant Fixed Disk Creation on ReFS
- VM Storage Resiliency
- Domain Less Clusters
- Cluster Upgrade & Cluster Node Quarantine
- Multi-Site Clustering
- Hyper-V Backup: Massive Scale Improvements
- Hyper-V Backup: Guest Cluster Support

Microsoft and Interoperability



"DHMC runs both Windows Server as guest operating systems under Hyper-V, as well as Linux. To date, DHMC has virtualized Web servers, sites on Microsoft Office SharePoint® Server, reporting servers, medical applications, domain controllers, file and print servers, Citrix servers, and more."

Dartmouth Hitchcock Medical Center Case Study

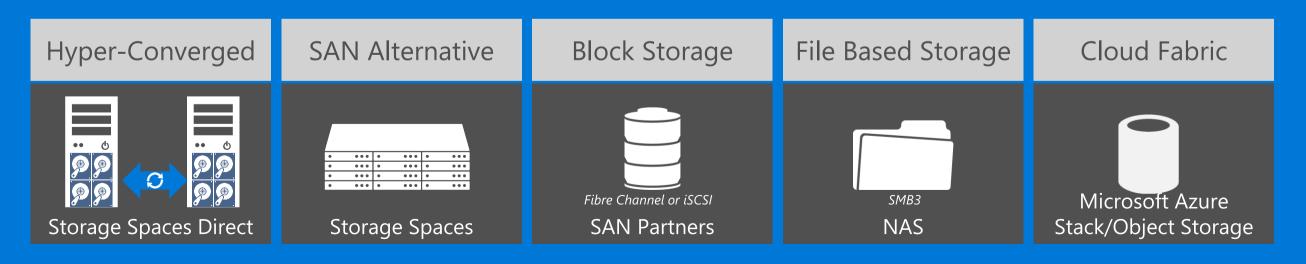
Microsoft commitment to support Linux – Red Hat, CentOS, SUSE, Open Suse, Debian, Ubuntu, Oracle Linux and FreeBSD 10 on Hyper-V or Azure;

System Center supports administering non-Windows platforms: Linux: Red Hat, CentOS, SUSE, OpenSUSE, Debian, Ubuntu, Oracle Linux; Unix (IBM AIX, HP-UX, Oracle Solaris) and Mac OS X systems

System Center Virtual Machine Manager manages Hyper-V and VMware ESX servers

Software defined storage

- Flexible choices across a breadth of storage
- Not just bits, but also choice in integrated solutions
- Reduce storage costs



High performance storage, fraction of the cost

Storage Spaces Direct

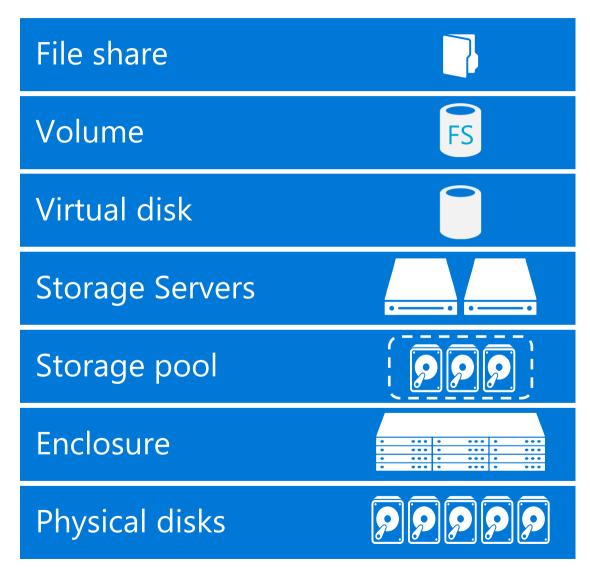
Use standard servers with local storage to build highly available and scalable software-defined storage

Storage Spaces Replica

Create affordable business continuity and disaster recovery among datacenters

Storage QoS

Prevent noise neighbors from impacting high priority workloads with a Storage QoS policy



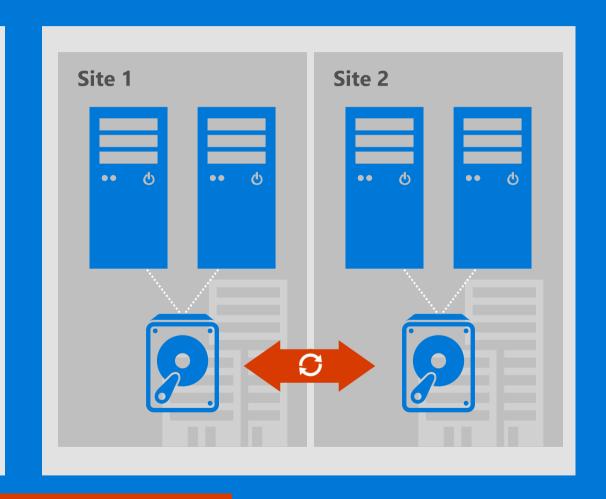
Storage Replica

Synchronous replication: Storage agnostic mirroring of data in physical sites with crash-consistent volumes ensuring zero data loss at the volume level.

Increase resilience: Unlocks new scenarios for metrodistance cluster to cluster disaster recovery and stretch failover clusters for automated high availability.

Flexible: Server to server, cluster to cluster, and stretch cluster. Local disks, Storage Spaces Direct, clustered disks. NTFS, REFS, CSVFS. TCP, RDMA. Synchronous and asynchronous.

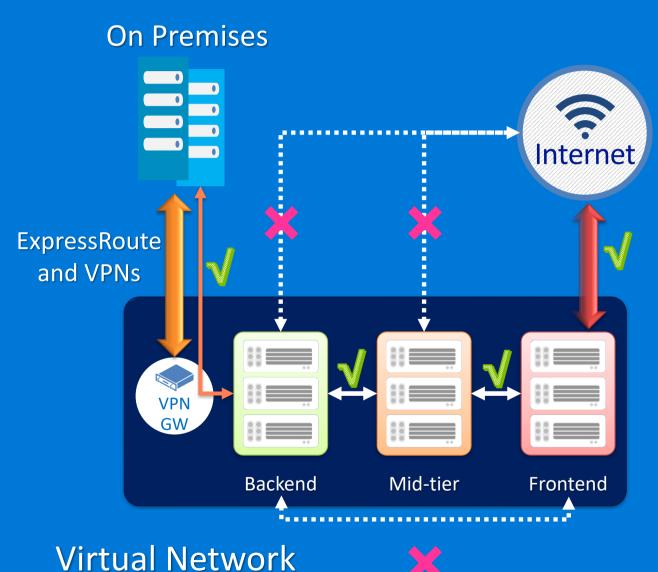
Streamlined management: Graphical management for individual nodes and clusters through Failover Cluster Manager and Azure Site Recovery. Full PowerShell and SMAPI support.



https://technet.microsoft.com/en-us/windows-server-docs/storage/storage-replica/storage-replica-overview#synchronous-replication

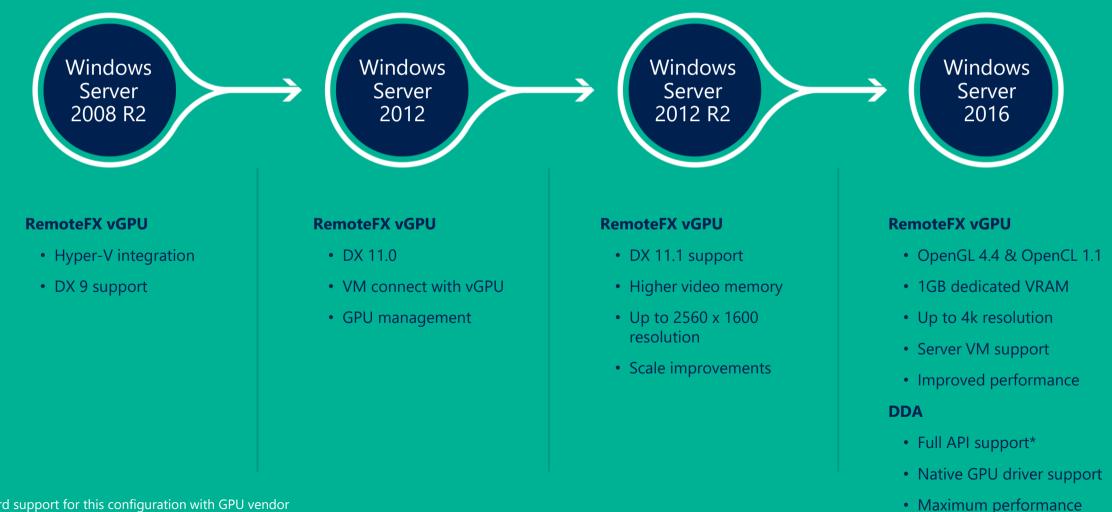
New Distributed Firewall and Load Balancer

- Segment network to meet security needs
- ACLs on both directions
- Can protect Internet and internal traffic
- Enables DMZ subnets
- Associated to subnets/VMs and now NICs
- ACLs can be updated independent of VMs





Windows Server 2016 RDS graphics virtualization evolution



^{*}Verify card support for this configuration with GPU vendor

Next generation of hybrid cloud: Azure to your datacenter Several new solutions that will continue to expand the industry's most complete cloud

Microsoft Azure Stack

a next-generation cloud infrastructure that brings Azure laaS and PaaS capabilities to customers' datacenters

Windows Server 2016 & System Center 2016

the next versions of the popular application platform and management solutions

Microsoft Operations Management Suite

a new hybrid management solution that helps you manage your corporate workloads no matter where or what they run (i.e., AWS, OpenStack, Azure, VMware, Linux, Windows Server)

Visibility – Solution Offerings



- ✓ End-to-end monitoring and diagnostics of infrastructure and workloads
- ✓ Alerts, notifications and other controls
- ✓ Strong native support, and incremental 3rd party
- ✓ Integrates with other onpremise systems

System Center

On-demand & hybrid monitoring experience

- ✓ Hybrid extensions (across on-premise and cloud)
- Transition between day-today monitoring and analytics driven diagnostics
- ✓ Better aligned to market requirements
- ✓ Wider and deeper health insights

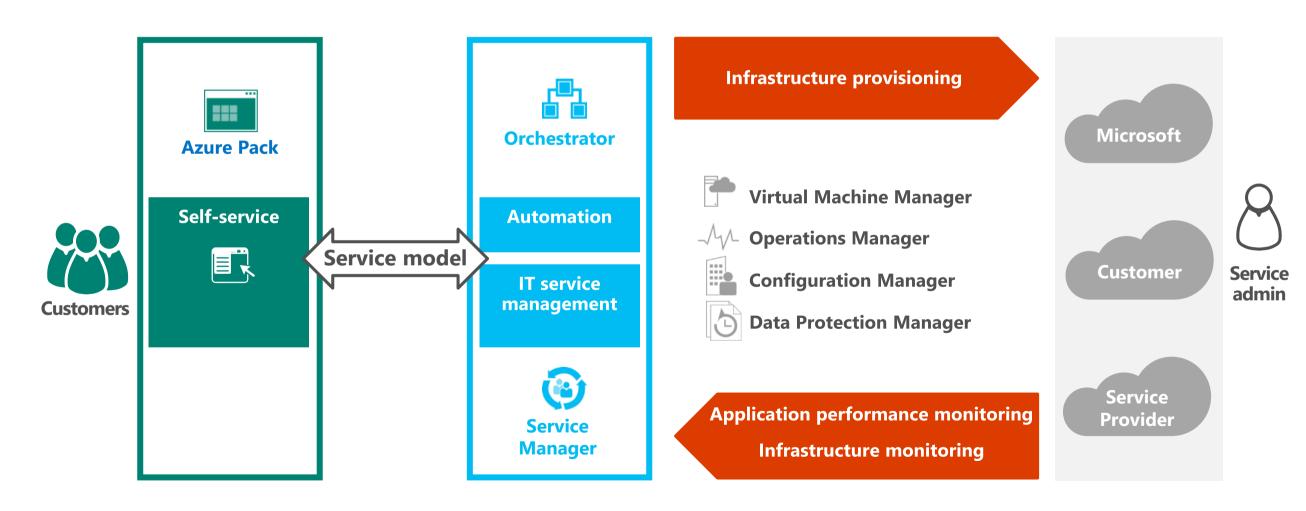
System Center + Operations Management Suite (OMS)



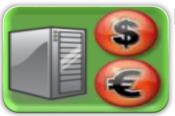
- ✓ Data analytics
- Bottomless capacity and elastic scalability
- ✓ No infrastructure to maintain
- ✓ Innovations on-boarded at a faster rate

Operations
Management Suite
(OMS)

System Center Unified management for the Cloud OS



Why Microsoft for Management & Virtualization



Low TCO/High ROI

- Lower upfront investment costs
- Lower deployment, management,
- and maintenance costs
- Extends currentIT investments



Datacenter to Desktop

- Full range of products and solutions
- Large partner ecosystem



The Platform You Know

- Single management platform
- Use the skills, tools, and processes you already know



End-to-End Management

- Physical, virtual machine and application management
- Interoperate with existing
 Microsoft infrastructure
- Easily manage a heterogeneous environment

Microsoft Partner Network

Benefits of System Center

- control physical or virtual on-premise infrastructure
- control cloud infrastructures: Azure, Amazon etc.
- application performance monitoring SCOM
- monitoring of services, applications, network devices -SCOM
- asset management, deployment of operating systems and applications, mobile device management, antivirus management, security configuration management SCCM & Endpoint Protection
- backup on disk, tape and Azure for Microsoft and VMware DPM
- Service Desk solution with incident management, problem management, change management, self service -Service Manager
- virtual datacenter management on-premise and cloud Virtual Machine Manager & SCOM
- orchestration and processes automatization & integration with VMware, HP Open View, IBM Tivoli, CA Unicenter, BMC, Linux/Unix, Symantec Orchestrator

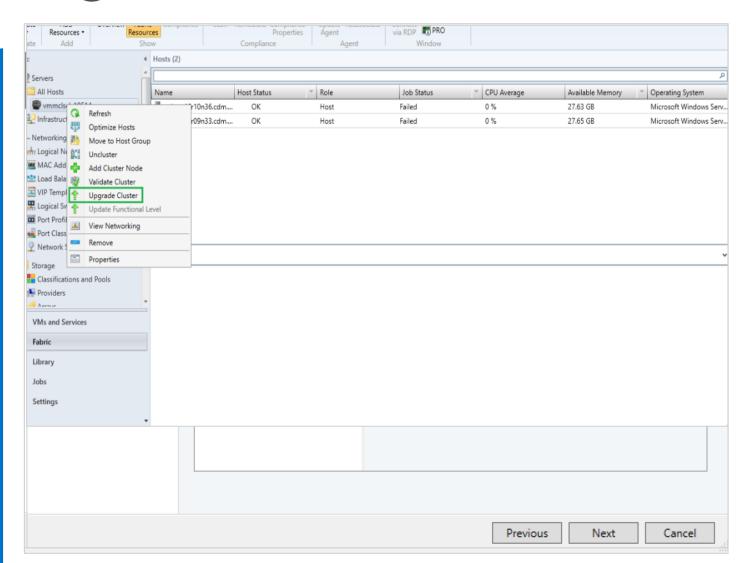
Virtual Machine Manager

Gain control and visibility of core infrastructure

Software-defined datacenter management – Continuously available file-based server application storage with shared storages through enhanced Scale-Out File Server management

Resource provisioning – Unify management by adding Microsoft Azure subscriptions to VMM and perform basic actions on Azure instances. Deploy Storage Spaces Direct, both in hyper-converged and disaggregated topologies. Centrally manage Hyper-V hosts, host clusters, and SOFS with VMM. Single point to manage multiple hypervisor platforms, including support for VMware ESX hosts and vCenter servers

Managing fabric resources and clusters – Centrally monitor end-to-end storage performance and create policies to meet quality of services.



Operations Manager

Comprehensive infrastructure & application monitoring

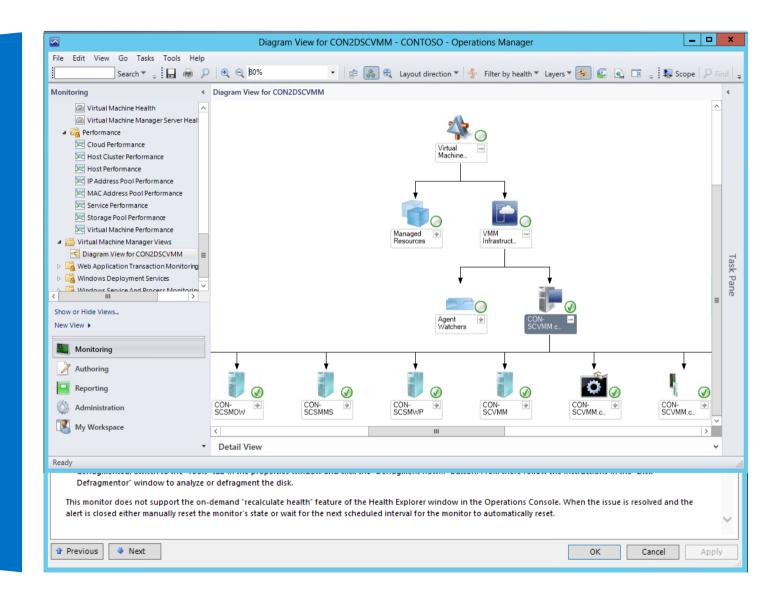
Rich dashboards – Monitors the key elements of the infrastructure: physical, virtual, hardware, software, and within applications and presents the key information through simple visual dashboards

Centralized alerting – OpsMgr collects information about monitored services and raises an alert if there's an issue

Topology views – Visualize key systems and <u>applications</u> across physical and virtual

Maintenance schedule – Schedule maintenance at a future time, schedule maintenance jobs, and view modes from a single screen

Extend OM with OMS – Configure assessment, alert management, and capacity planning by connecting OM with OMS



Network monitoring in Operations Manager

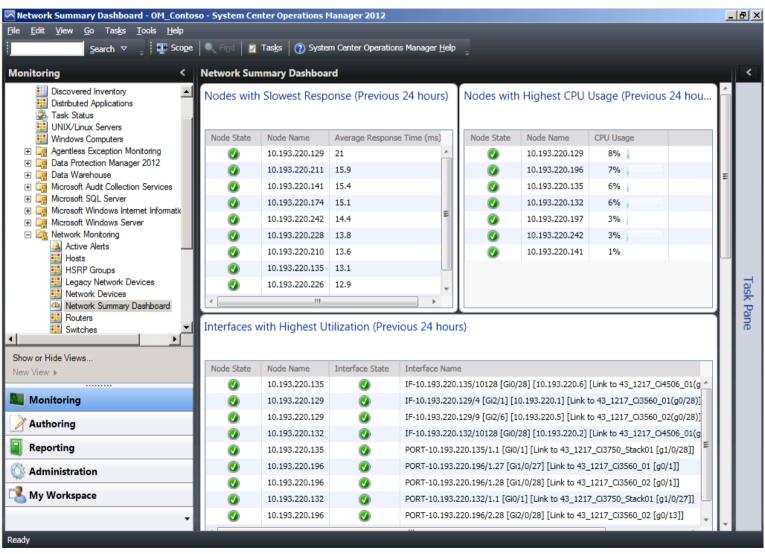
Advantages of System Center

Network Summary Dashboard – provides a view of important data for the nodes and interfaces of the network



Nodes – A node can be any device connected to a network. Nodes can be switches, routers, firewalls, load balancers, or any other networked device





Extensibility via partners

Operations Manager management pack catalog representative partners http://pinpoint.microsoft.com/en-US/category.aspx?catid=1&fpf=700004

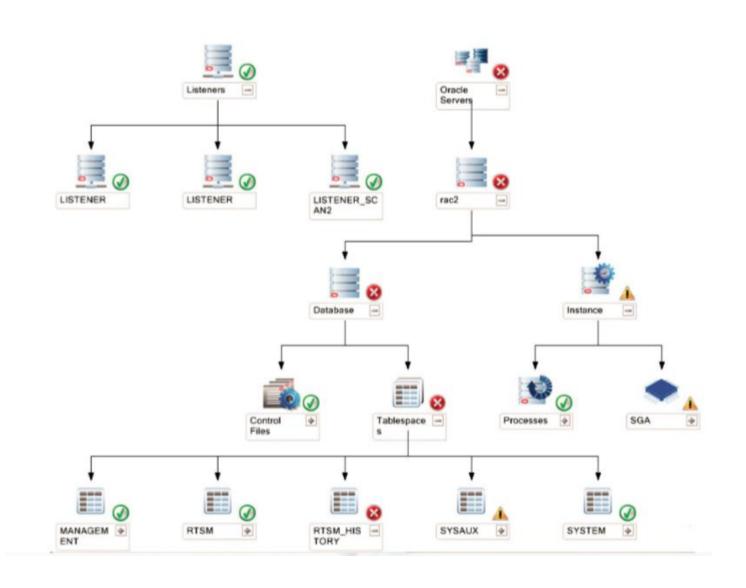
Oracle, DB2, Apache HTTP Server, others Bridgeways NiCE Oracle, DB2, Domino, BlackBerry Enterprise Server (BES) AS/400 E-View **VMware ESX** Veeam

Extensibility via partners

Oracle monitoring

- Insight how memory, physical design and maintenance affect performance
- Monitor the entire Oracle environment (RAC)
- Understand and manage your Oracle environment like an ecosystem that is constantly changing in terms of physical design, transactions, and memory

You need 3rd party management pack



Extensibility via partners

SAP monitoring

Flexible deployment options and configuration: management pack's SAP connector can be installed and ran on:

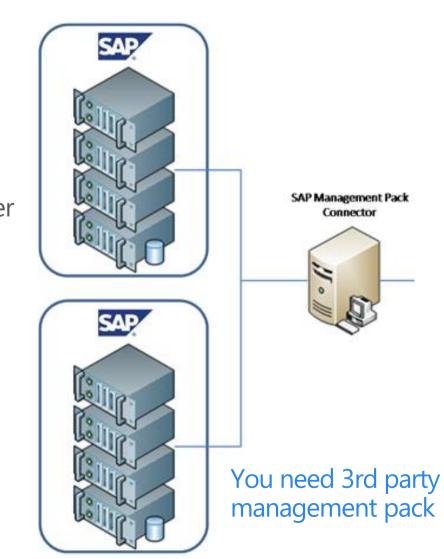
- SCOM Agent or management server machine
- One or more remote Windows servers
- Under the same active directory domain as the management server or outside the domain

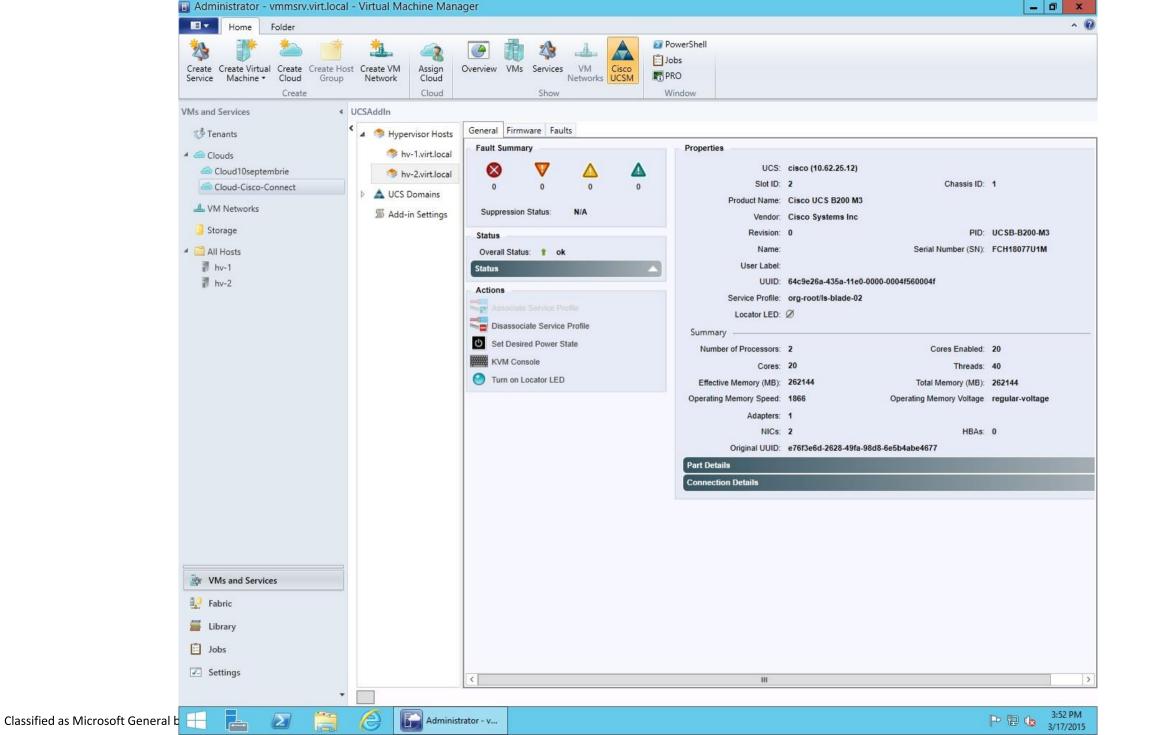
Built-in failover functionality

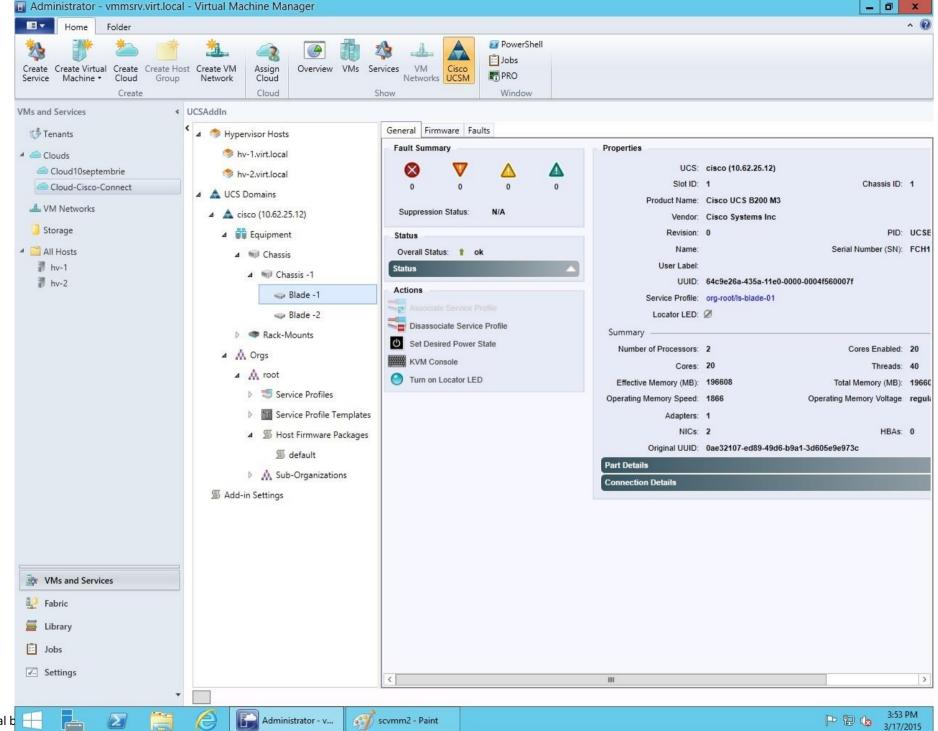
- Automatic failover/restore
- Automatic configuration synchronization

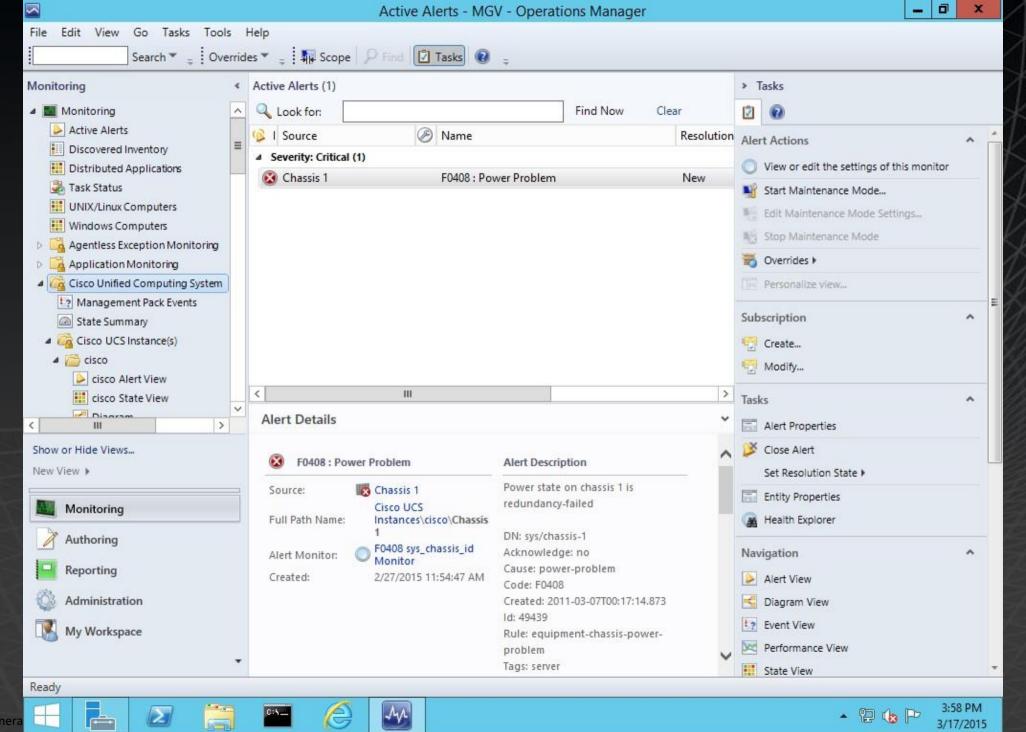
Heterogeneous SAP support

Connect to SAP Systems running on any platform, be it Windows Server 2008, Unix, Linux, iSeries or zOS

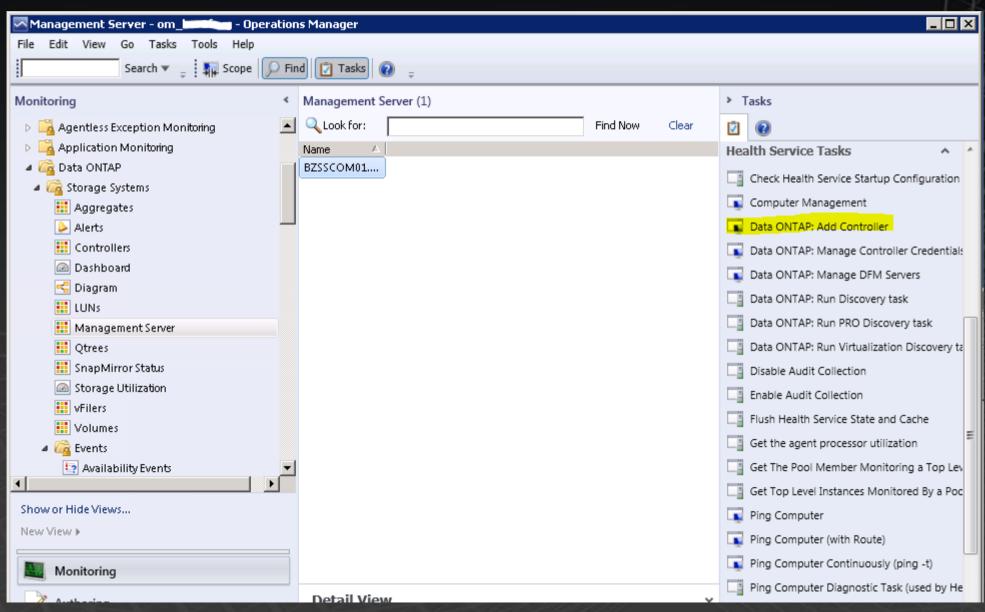


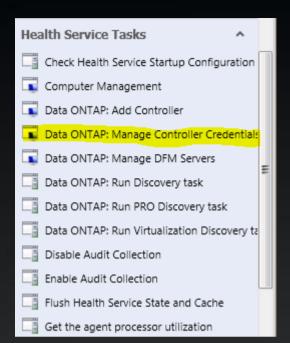


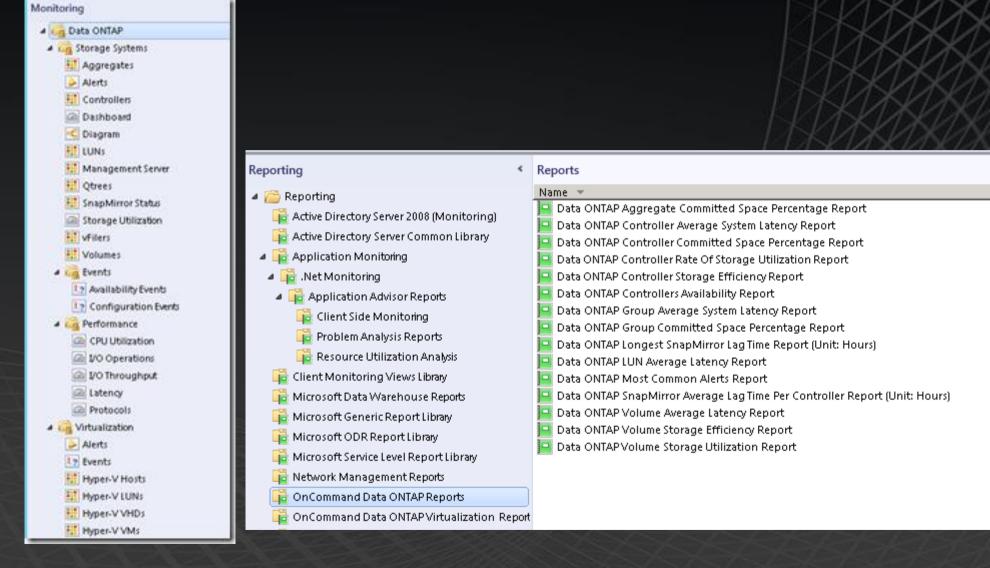




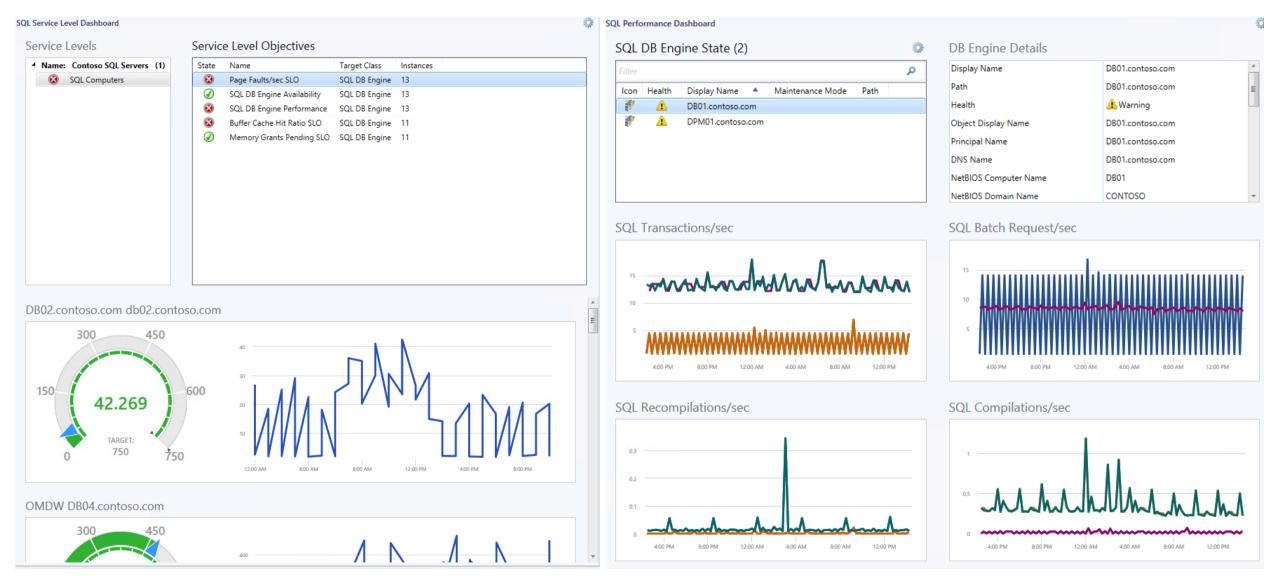
Storage Monitoring







SQL and Microsoft apps monitoring



Java EE monitoring-supported platforms

		Supported	Supported operating systems matrix						
		JEE application servers	RHEL	SLES	Solaris	AIX	Windows		
IBM	IBM Websphere	6, 7, 8	②	Ø					
•	Oracle WebLogic	10gRel3, 11gRel1, 12cR1							
	Redhat JBoss	4, 5, 6, EAP 6, 7, WildFly 8							
	Apache Tomcat	5, 6, 7, 8							

Application visibility across datacenter and

Online Claims Processing Application

Thu, May 22, 2014 12:34 PM EDT

Microsoft acquired BlueStripe – to be integrated in System Center and Operations Management Suite

Response Time	Health Status	ART ms	ART Trend 10 minutes	Load trans/sec	Load Trend 10 minutes
~	1	36		2.9	
~	_	45		0.8	**
~	_	3.6		194	www. 1
~	_	0.7		1.2	m
×	\bigcirc	60,041		0	MMM
~	8	66		0.7	
~	\bigcirc	37		12	mamm
~	8	44		0.8	M-M TWAN
	· · · · · · · · · · · · · · · · · · ·	× · · · · · · · · · · · · · · · · · · ·	✓ 1 36 ✓ - 45 ✓ - 3.6 ✓ - 0.7 X ✓ 60,041 ✓ 66 ✓ 37	Max 10 minutes 36	ms 10 minutes trans/sec ✓ 36 2.9 ✓ - 45 0.8 ✓ - 3.6 194 ✓ - 0.7 1.2 X ✓ 60,041 0.7 ✓ 37 12

Service Manager

IT Service Management with System Center integration

IT Service Management – Service Manager provides incident, problem, change, & release management. Service & request offerings, along with SLA Management, are also in the box

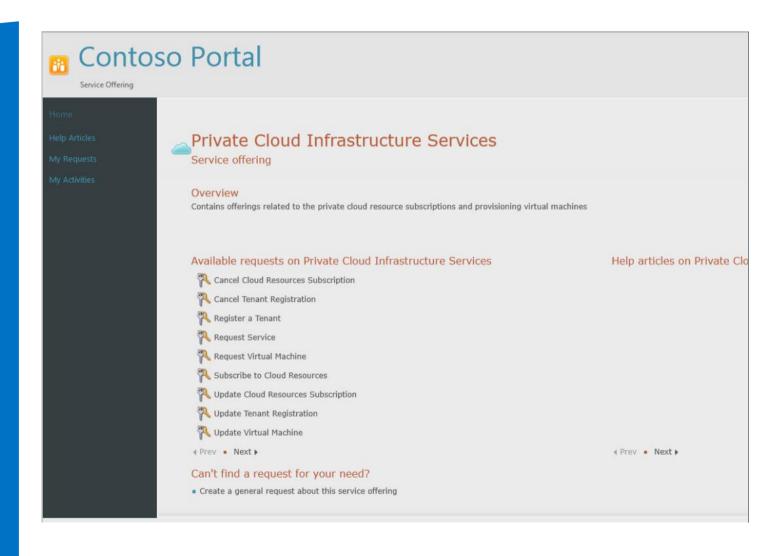
ITaaS – Rich Self Service Portal based on SharePoint providing role-based access to the service catalog

Integration – Connectors simplify and streamline integration between Service Manager and other System Center components

Business intelligence – Powerful data warehouse for rich, integrated reporting

Cloud Services Process Pack – Free download providing pre-built service requests, request offerings, and runbooks

Online meetings – Connect, share, and schedule meetings online with Skype for Business and Lync



Data Protection Manager

Centralized protection for key VMs and applications

Workloads – DPM protects key workloads, at a granular application level, up to every 15 minutes

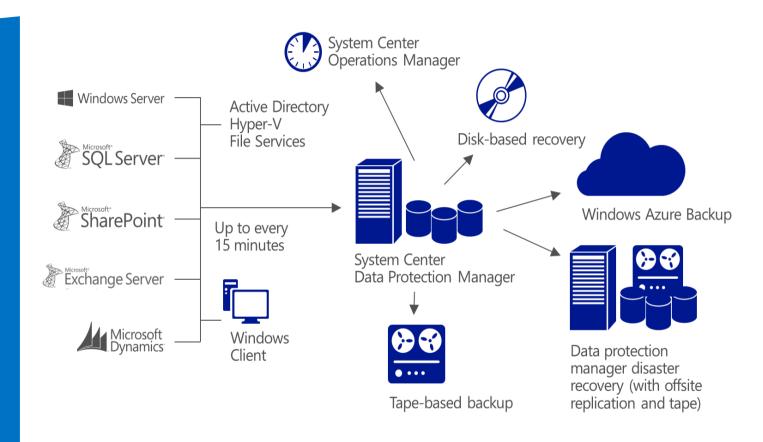
Disk/Tape/Azure – DPM supports protecting shortterm to disk, long-term to tape, and Azure for cloud backup

Centralized – With integration with OpsMgr, the central console enables management of all DPM servers from a single location

Scalable – 800 VMs per DPM server, parallel backups, page-file exclusion, Live Migration support

Mixed mode clusters – Protect data in mixed mode clusters during upgrade without interruptions

Encrypted VMs – Backup Virtual TPM enabled VMs VHDs/VHDXs encrypted with BitLocker



DPM 2012 R2 with Update Rollup 11 (25 August 2016) – backup for VMWare 5.5 and 6.0!!!

https://blogs.technet.microsoft.com/dpm/2016/08/26/four-simple-steps-to-backup-vmware-vms-using-sc-dpm/

Why OMS?

It's simple

A single portal for all your management tasks. No infrastructure to maintain.

Time to value

Onboard fast. No content to create. Connects to your on-premises datacenter.

Easy to integrate

Add new servers, or connect to your existing management tools within minutes.

Hybrid and open

Manage workloads across Windows and Linux, hybrid and public clouds, Azure and AWS.

Extend System Center

Complements your System Center investment to unleash new management scenarios.

OMS Solutions









Log analytics

Gain visibility across your hybrid enterprise cloud

Automation

Orchestrate complex and repetitive operations

Availability

Increase data protection and application availability

Security

Help secure your workloads, servers, and users

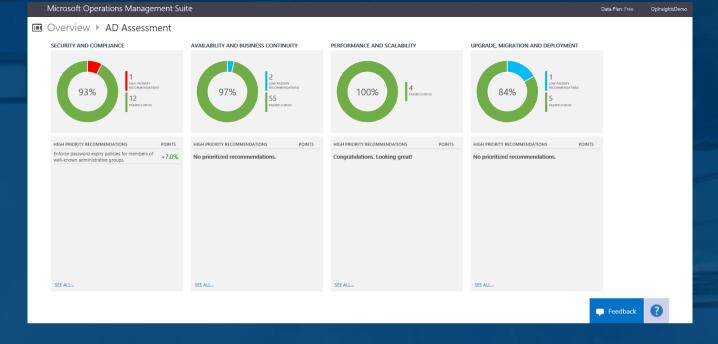
Assessments

Security and best practices assessments: AD, SQL, malware, change tracking, audit

Active Directory Assessment

Using best practices and data collection, identify potential issues

- Security and Compliance
- Availability and business continuity
- Performance and security
- Upgrade, migration and deployment





Servers Assessed on Wed May 06 2015 High Priority Recommendations

3 🙃

Low Priority Recommendations

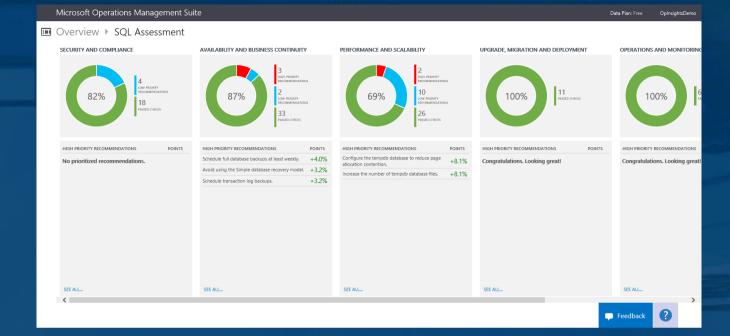
77 **⊘**Passed Checks

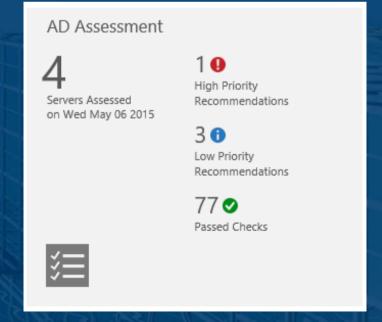


Solution Packs SQL Server Assessment

Using best practices and data collection, identify potential issues

- Security and Compliance
- Availability and business continuity
- Performance and security
- Upgrade, migration and deployment
- Operations and monitoring
- Change and configuration

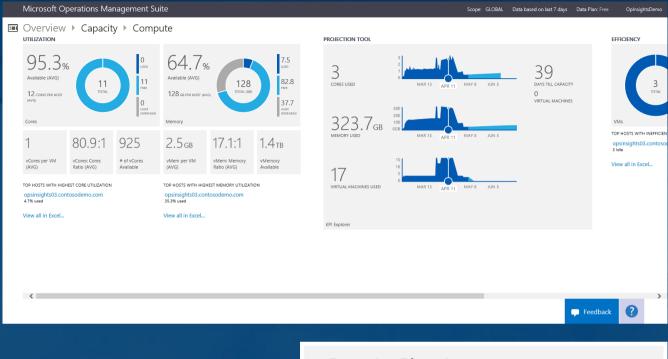


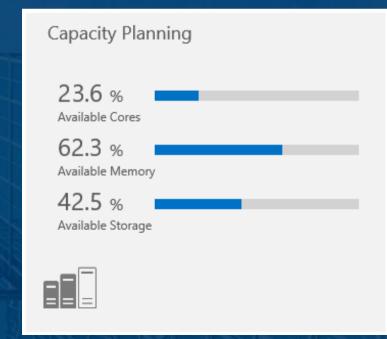


Solution Packs Capacity planning

Plan for future capacity and trends using historical data

- VM utilization and efficiency
- Compute projection
- Storage utilization



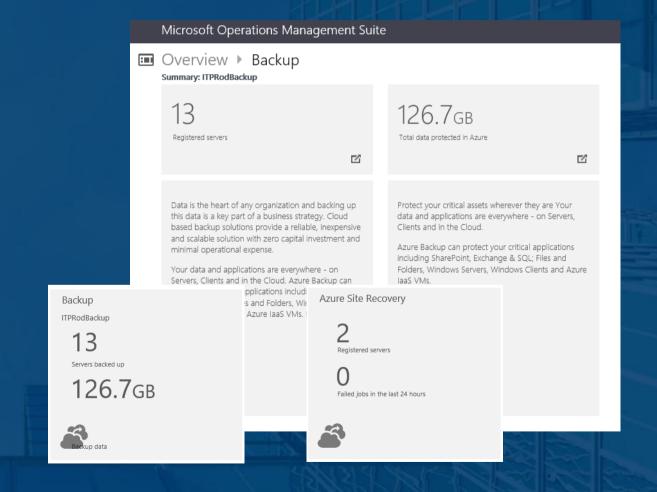


Protect and extend your datacenter



With Azure Site recovery and Azure Backup

- Automated virtual machine replication
- Protect your critical systems and applications
- Customize disaster recovery plans with easy-to-manage disaster recovery points
- Migrate from physical and virtual to Azure
- Access new scenarios including cloud bursting and dev/test



Azure Backup Server

Centralized protection for key VMs and applications

Workloads – Azure Backup Server protects key workloads, at a granular application level, up to every 15 minutes.

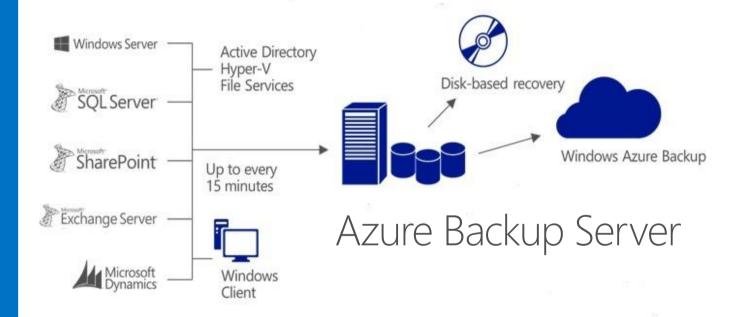
Disk/Cloud – Azure Backup Server supports protecting short-term to disk, and long-term to cloud.

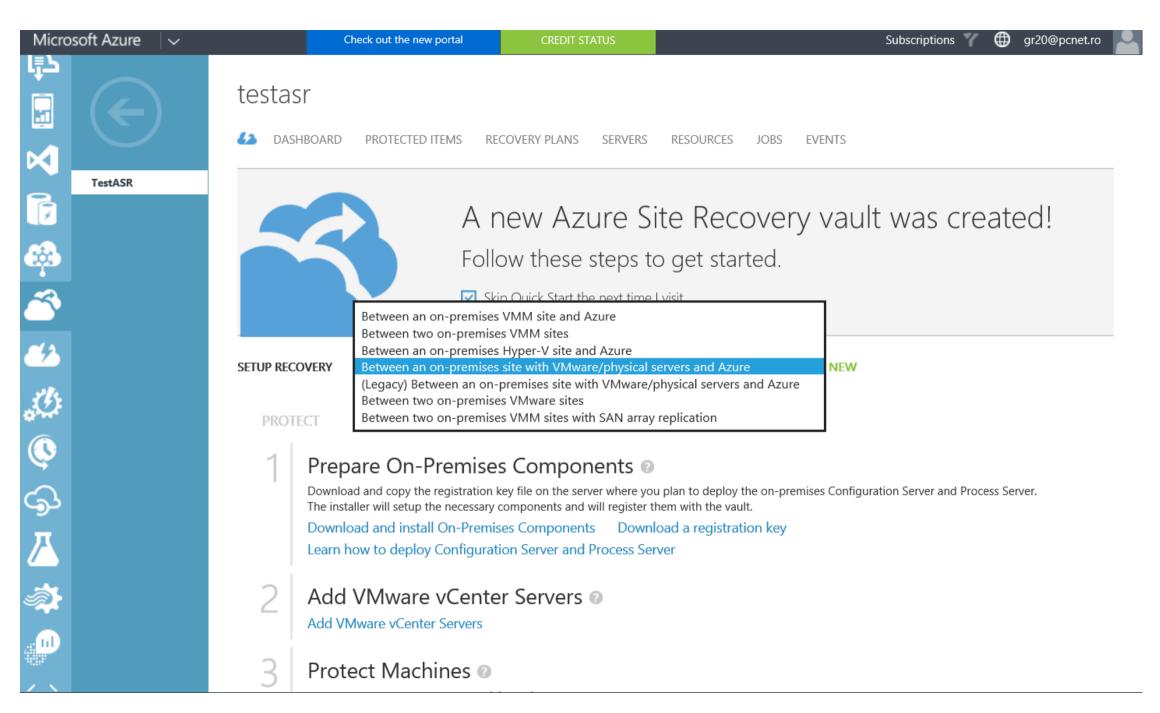
Centralized –integration with Operations Management Suite, the central console enables management of servers from a single location.

Azure Integration – Azure Backup Server supports archiving data up to Windows Azure

Low-Cost DR

Scalable – multiple VMs per Azure Backup server, parallel backups, page-file exclusion, Live Migration support





System Center + OMS **Better Together**





Provisioning



- ✓ Centralized log repository
- ✓ Efficient server discovery and agent deployment
- ✓ Web based alert management
- ✓ VM capacity planning and management
- ✓ Integrated disaster recovery for VM workloads
- ✓ Cloud backup and long-term retention

... & many more to come!

