

MAARTEN GOET

What's new in SCOM 2016 & Microsoft OMS

 opslogix



@maarten_goet



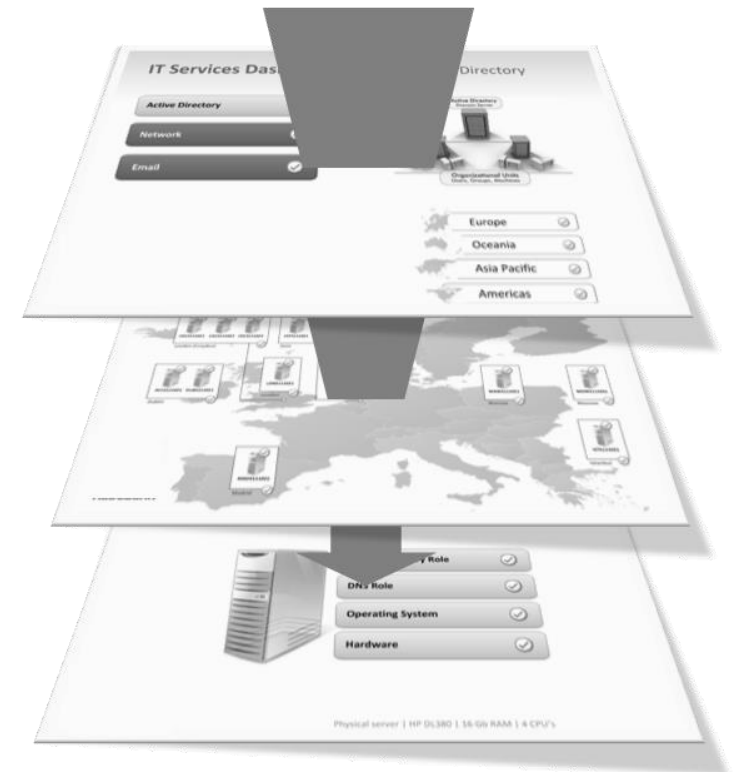
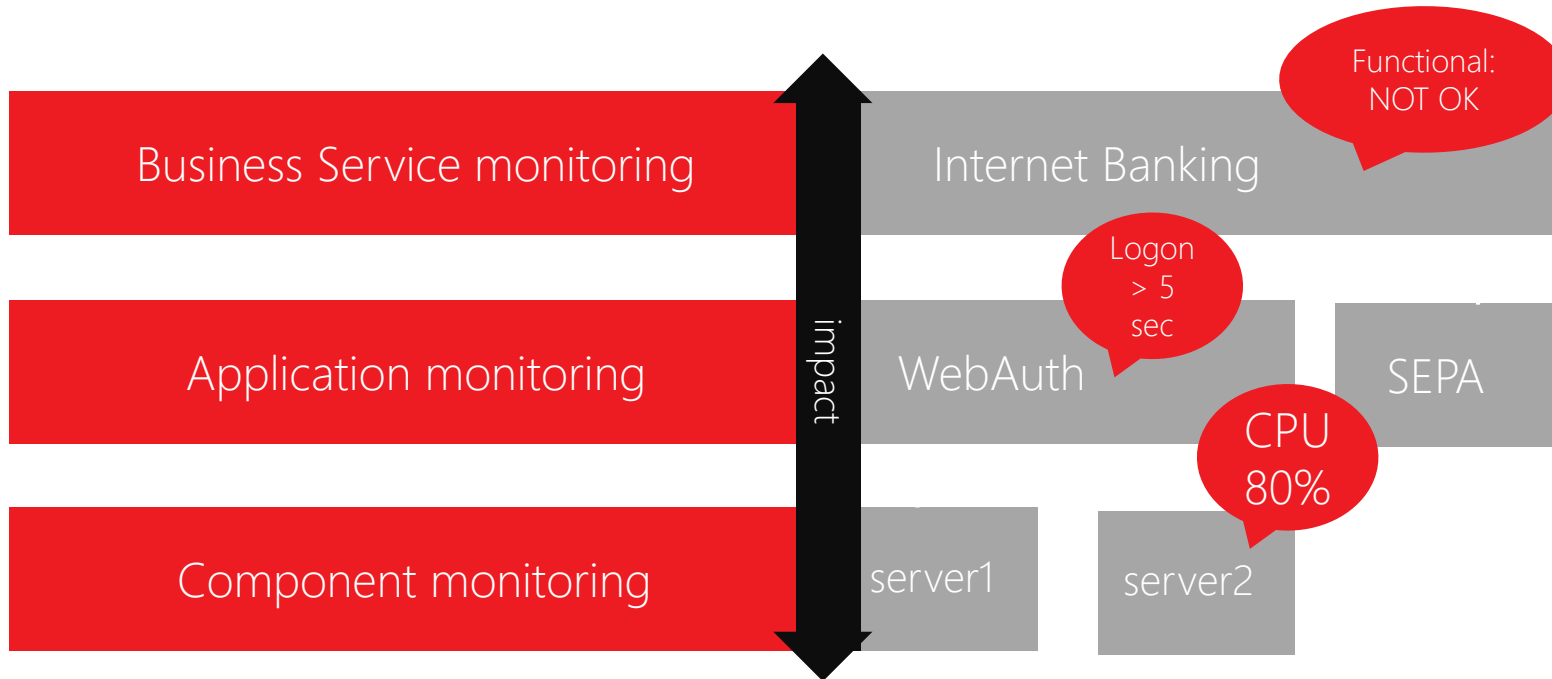
MVP

RD



OpsLogix

Business Service Monitoring



System Center Operations Man

"360° is a function of monitoring that gives customers visibility environment(s) or infrastructure"



CIO



Service Owner



Infra Owner

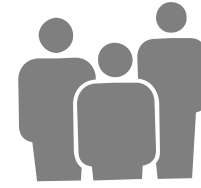
Consistent UX

(Console, Web, SharePoint, etc.)

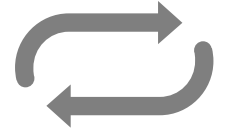
End-user
(First to

Application
(Transactions, Compo

Infrastructure
(Network, Servers



Synthetic Transactions



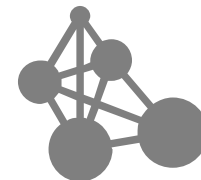
DevOps Integration



.NET Monitoring w/ APM



Dashboard Framework



Management Packs



Cloud Monitoring

System Center 2016 Operations Manager

WHAT'S NEW

MP updates and recommendations

- Capability to assess management packs.
- Proactively identify new technologies or components (i.e. workloads) deployed in your IT infrastructure that are not monitored.
- Show when not using latest version of a management pack.
- Feature only works with management packs released by Microsoft, currently does not support third party management packs.
- In order to use, the computer you are running the Operations console from requires an Internet connection.
- Configure the frequency and control the discovery of workloads using a PowerShell script.
- More information: [https://technet.microsoft.com/en-us/library/mt703275\(v=sc.16\).aspx](https://technet.microsoft.com/en-us/library/mt703275(v=sc.16).aspx)

Alert Data Management

- Get better visibility of the alerts being generated in your management group which helps you reduce alerts that you don't consider actionable or relevant.
- Identify the number of alerts each management pack has generated.
- Identify the number of alerts generated by a monitor/rule within each management pack.
- Identify different sources (along with alert count) which have generated an alert for a particular type of alert.
- Filter the data for the desired duration so that you can understand what was happening during a particular period of time.
- This information enables you to make informed decisions on tuning the thresholds or disabling alerts

Extensible Network Monitoring

- Includes tool which will allow you to create a custom management pack to monitor generic network devices (non-certified as of Operations Manager 2012 R2).
- Support for resource utilization metrics, such as processor and memory.
- Create extended monitoring workflows for existing network devices already monitored.
- Enables you to add monitoring of additional device components such as fan, temperature sensor, voltage sensor and power supply.
- Tool generates a management pack.

Monitoring NANO server workloads

- Discover a Nano Server and push Nano-compatible agent to the server from the console.
- Monitor the basic operations by using the Windows Server Operating System Management Pack.
- Monitor workloads and roles such as Internet Information Services (IIS), Windows Failover Cluster and Domain Name System (DNS).
- Supports ACS security audit event collection.
- More information: [https://technet.microsoft.com/en-us/library/mt622341\(v=sc.16\).aspx](https://technet.microsoft.com/en-us/library/mt622341(v=sc.16).aspx)

Unix/Linux monitoring improvements (1)

- Full monitoring of the LAMP stack.
- Ability to run full shell script or Python/Perl script to identify the health of custom applications.
- Credentials for Unix/Linux machines can now be stored as Run As accounts so that operations staff can use these to discover servers without having to know the password.
- You can now monitor up to 2X the number of Unix/Linux servers per Management server, against the previously supported scale.
- Operations Manager now uses by default, the new Async Windows Management Infrastructure (MI) APIs instead of WSMAN Sync APIs.

Unix/Linux monitoring improvements (2)

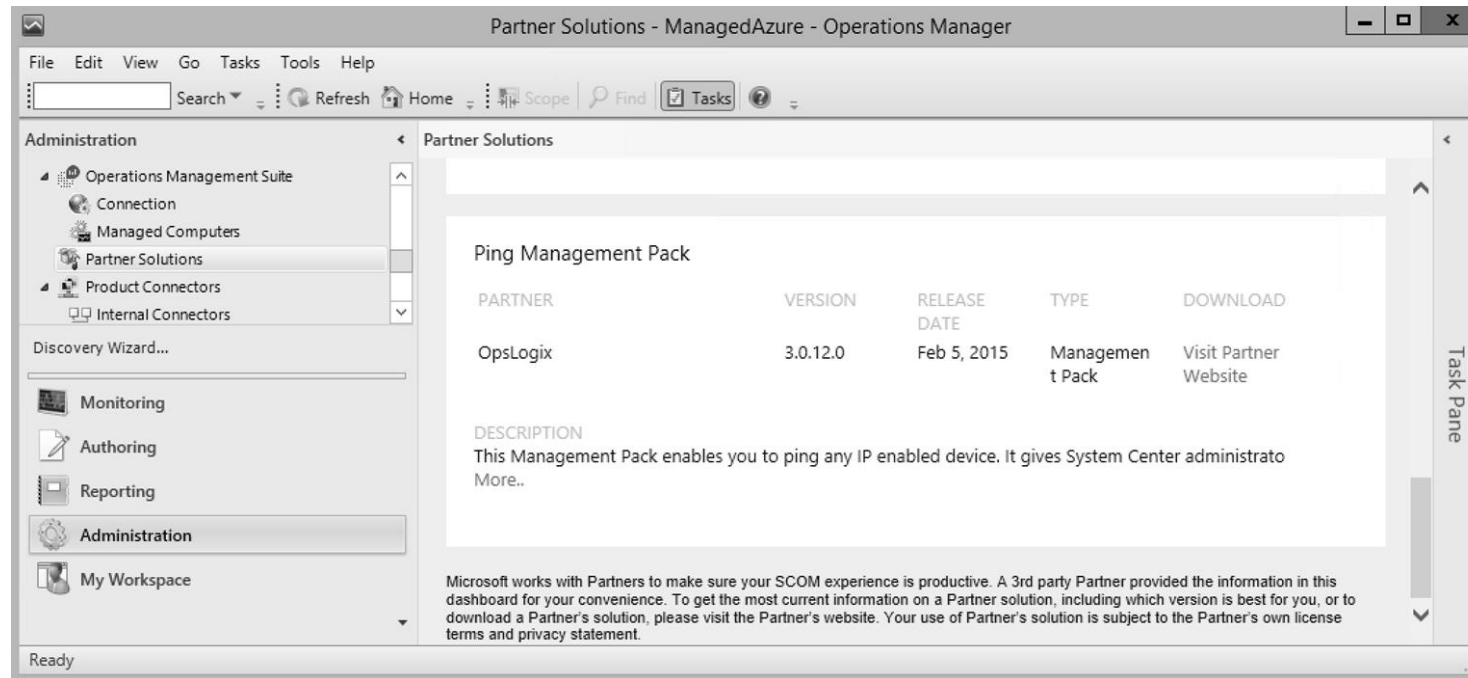
- Apache MP relies on an Apache module that is installed automatically if the Linux agent discovers that Apache is installed.
- It monitors the Apache server itself, virtual hosts, and SSL certificates.
- You can optionally create probe rules and monitors for availability and response time information.
- Of immediate value is the 21-day warning and 7-day error alert on SSL certificate expiry.
- There's also a handy built-in task to reload the Apache server. It also lists all modules that are installed on each Apache server.
- Microsoft is also looking to provide (post RTM) monitoring for MongoDB, Cassandra, and Redis.
- More information: <https://4sysops.com/archives/operations-manager-2016-apache-and-mysql-monitoring/>

Maintenance Schedules

- Maintenance Mode Scheduling wizard gives the ability to choose different types of entities to put into maintenance and to schedule maintenance at a future time.
- Ability to schedule maintenance mode at a future time and through a variety of scheduling options.
- Ability to choose different classes of entities and groups to put to maintenance as a part of a single schedule.
- Ability to view all the maintenance mode schedules from a single screen.
- Ability to schedule multiple jobs for the same monitored entity.

Certified partner solutions in Console

- Customers can view certified System Center Operations Manager partner solutions directly from the console.
- Customers can obtain a view of the partner solutions and visit the partner websites to download and install the solutions.



System Center 2016 Operations Manager

DEMONSTRATION



Recycle Bin



OSS Management Packs



SquaredUp

Host Name:	OPSMGR
Role:	(none)
CPU:	8 Core 2.30 GHz Intel Xeon(R)E5-2650 v3
Memory:	14334 MB
OS Version:	Windows 2012 R2
Service Pack:	No service pack
Domain:	MANAGEDAZURE
Boot Time:	5/6/2016 11:29 AM
IP Address:	10.0.0.8
Default Gateway:	10.0.0.1
User Name:	Administrator
IE Version:	11.0.9600.18283
Integration Services:	6.3.9600.16384
Volumes:	C:\ 79.78 GB NTFS
Free Space:	C:\ 31.12 GB NTFS
Hyper-V Host:	TENHVC01N04

SQL DataBase:	MSSQLSERVER
IIS Version:	8

 Windows Server 2012 R2

Go to System in Control Panel to activate Windows.

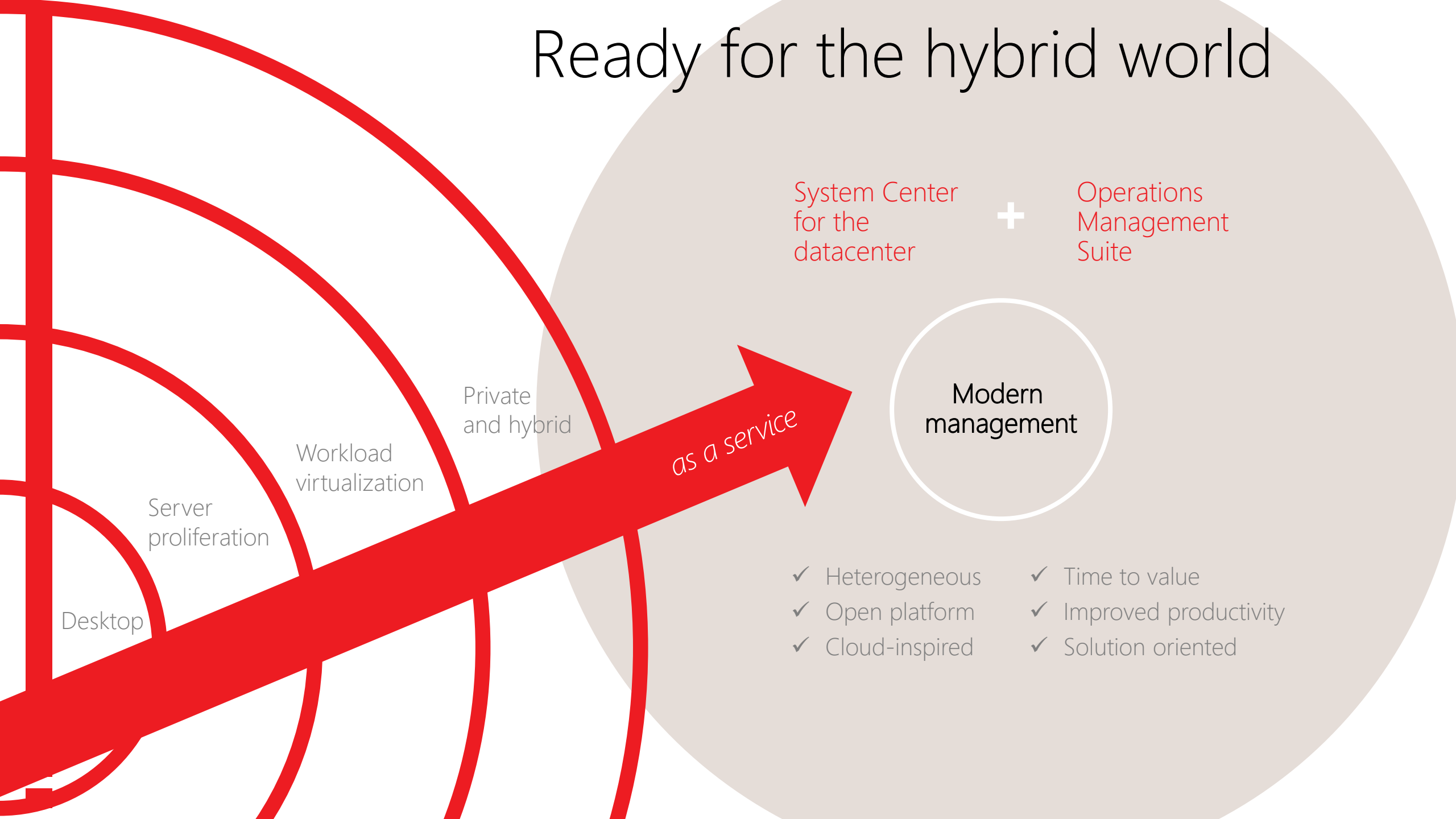
Windows Server 2012 R2 Datacenter

Build 9600

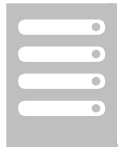
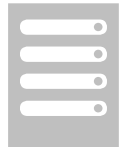
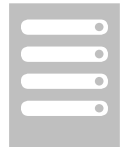
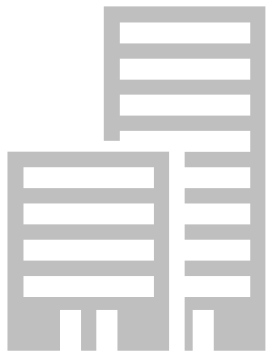


9:59 AM
5/11/2016

Ready for the hybrid world



Azure | Office 365 | AWS

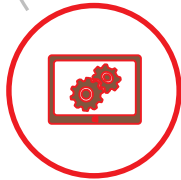


Linux
VMWare

Storage
Network

Operations
Management Suite

Log Analytics
Automation
Disaster recovery
Backup



System Center

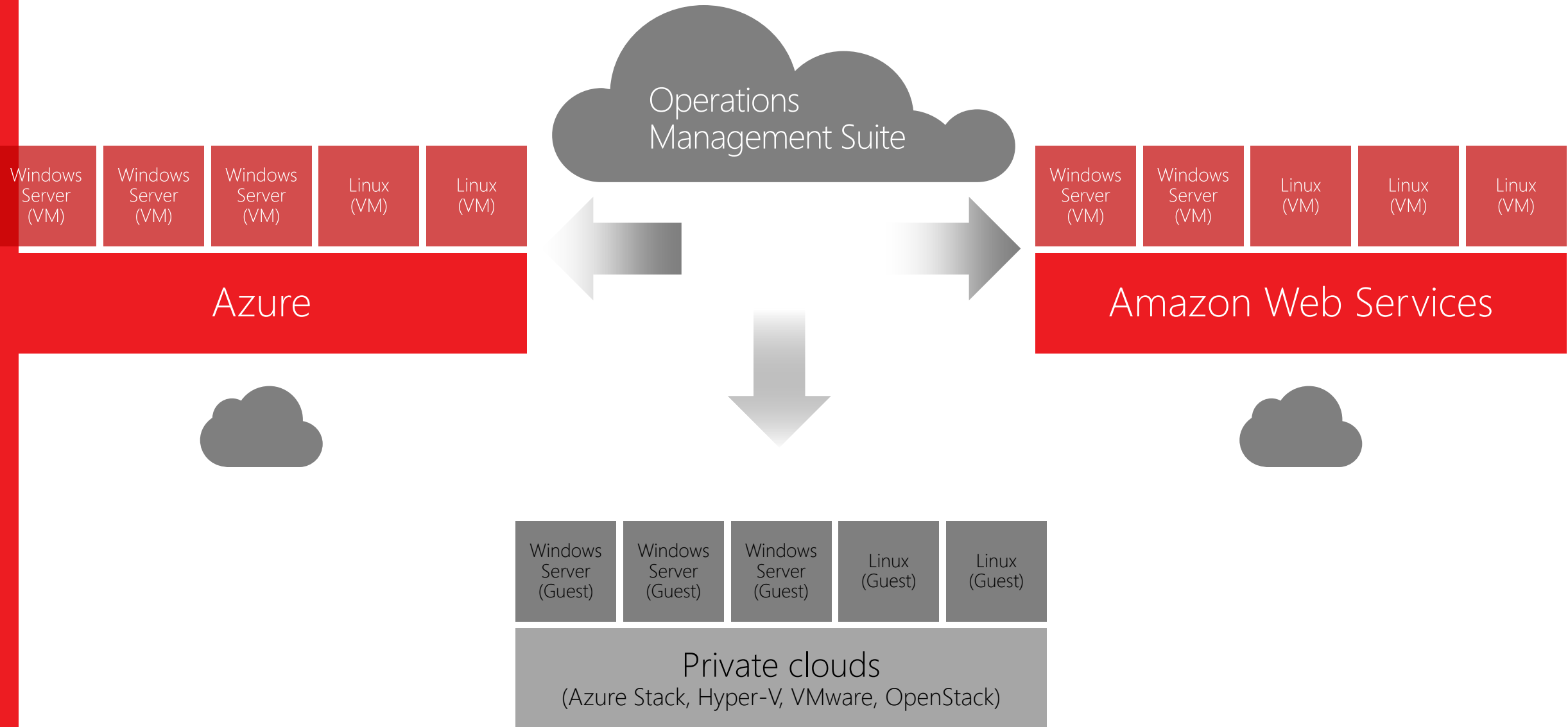
Monitor | Automate | Provision | Protect | Self-service

System Center foundation

Hybrid and
Heterogeneous

Innovation through
cloud cadence

Introducing Operations Manager Suite



Operations Management Suite

DEMONSTRATION



Recycle Bin



OSS Manageme...



SquaredUp

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SQL DataBase:	MSSQLSERVER
IIS Version:	8

 **Windows Server 2012 R2**
 Go to System in Control Panel to activate Windows.
 Windows Server 2012 R2 Datacenter
 Build 9600

Taskbar area containing icons for Start, Network, Task View, File Explorer, Performance Monitor, and Visual Studio. System tray on the right shows network, volume, and clock (10:30 AM 5/11/2016).

Windows 8.1 Start menu bar with 'Ask me anything' search bar and application icons for File Explorer, Edge, Mail, Word, PowerPoint, OneNote, Skype, Calculator, and File History. System tray on the right shows network, volume, and clock (10:30 11-5-2016).

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.



Thank you! Questions?



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