



Monitoring v podání Microsoft OMS

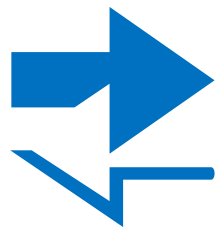
Petr Vlk

KPCS CZ

WUG Days 2016

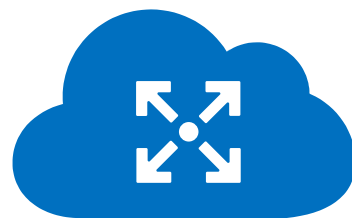
8. října 2016

Nástroj pro moderní dobu



Rychlost

- Rychlé nastavení
- Rychlejší řešení problémů
- Inovace každý den



Flexibilita


- Podpora současných nástrojů
- Vlastní řešení a data
- Pro tradiční datová centra i cloud



Komplexita

- Jednoduché použití
- Redukce potřebné infrastruktury
- Kompletní řešení

Microsoft Operations Management Suite



Log Search



My Dashboard



Solutions Gallery

2.7GB

Servers and Usage


AD Assessment

4 Servers Assessed

3 High Priority Recommendations

6 Low Priority Recommendations

72 Passed Checks




Malware Assessment

35% NEEDS ATTENTION

1 Servers with Active Threats

38 Servers with Inadequate Protection




Capacity Planning

23.6 % Available Cores

62.3 % Available Memory

42.5 % Available Storage




Backup

ITPRodBackup

13 Servers backed up

3 TB Backup data



Alert Management

0 Active critical alerts in the last 24 hours

4 Active warning alerts in the last 24 hours




Time	Critical Alerts	Warning Alerts
1pm	0	0
5pm	0	1
9pm	0	0
1am	0	0
5am	0	0
9am	0	3

Automation

ITAutomation

9 Runbooks

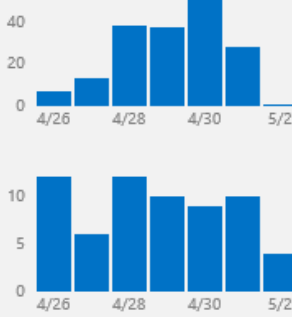
15 Jobs in the last 7 days



Change Tracking

20 Software changes in the last 24 hours

6 Windows service changes in the last 24 hours (excludes Status)



Date	Software Changes	Windows Service Changes
4/26	10	12
4/28	38	6
4/30	48	10
5/2	28	4

Security and Audit

95 Active Computers in the last 24 hours

64 Accounts Authenticated in the last 24 hours



Log Analytics

- Vyhledávání
- Filtrování

The image shows a screenshot of the Microsoft Operations Management Suite (OMS) Security And Audit dashboard. The dashboard is divided into several sections: SECURITY DOMAINS, NOTABLE ISSUES, DETECTIONS (PREVIEW), and THREAT INTELLIGENCE. The SECURITY DOMAINS section includes a line chart for Security records over time and a table of security assessments. The NOTABLE ISSUES section shows a donut chart for Active issue types and a table of issue counts. The DETECTIONS (PREVIEW) section shows a bar chart for DETECTIONS OVER TIME and a table of detected threats. The THREAT INTELLIGENCE section shows a map of Servers with outbound malicious traffic and a donut chart for Detected threat types.

The search results window is open, showing a search query: `Type=SecurityEvent | measure count() as SecurityEvents by Computer`. The results are displayed in a table with 16 results, sorted by SecurityEvents count. The table includes columns for COMPUTER and SECURITYEVENTS.

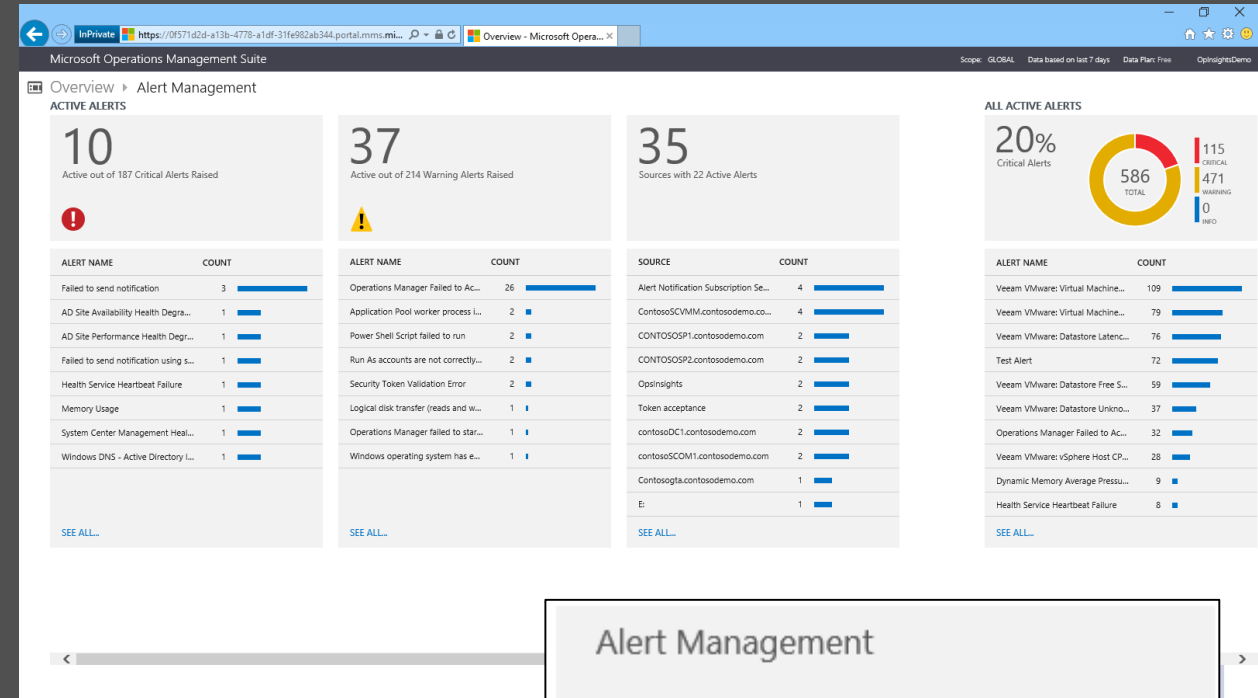
COMPUTER	SECURITYEVENTS
sql-1.sp.contoso55.com	8,866,019
meirm-x1.middleeast.corp.microsoft.com	3,083,047
MeirM-WS2008R2	766,431
ad-pdc.sp.contoso55.com	759,188
NEB-OM-1109961.smx.net	605,158
ad-bdc.sp.contoso55.com	566,974
sql-0.sp.contoso55.com	379,236
Contoso55Corp	375,229
WAP-Demo	331,882
SPS-APP-0.sp.contoso55.com	302,357
SPS-WEB-1.sp.contoso55.com	288,764
SPS-WEB-0.sp.contoso55.com	277,813
SPS-APP-1.sp.contoso55.com	235,239
sql-w.sp.contoso55.com	220,211
C55-ATA-Center	98,556
Contoso55DC.contoso55.com	337

Solution Packs

Správa upozornění

Upozornění na jednom místě

- Webová vizualizace
- Integrované vyhledávání
- Filtry zobrazení

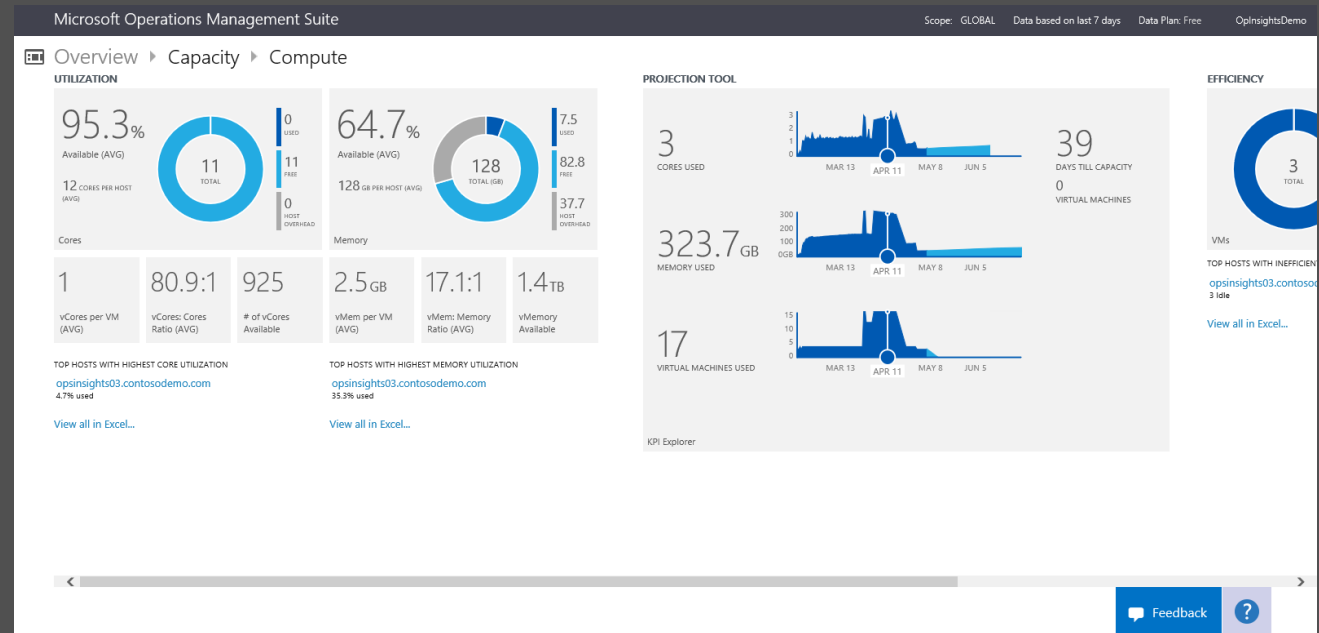


Solution Packs

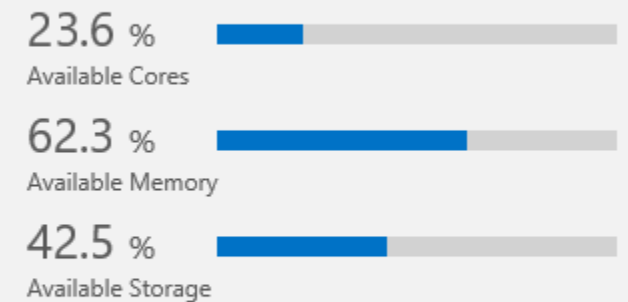
Kapacitní plánování

Trend čerpání kapacit

- Vytížení a efektivita VM
- Nedostatky ve výkonu
- Využití uložště
- Plánování



Capacity Planning



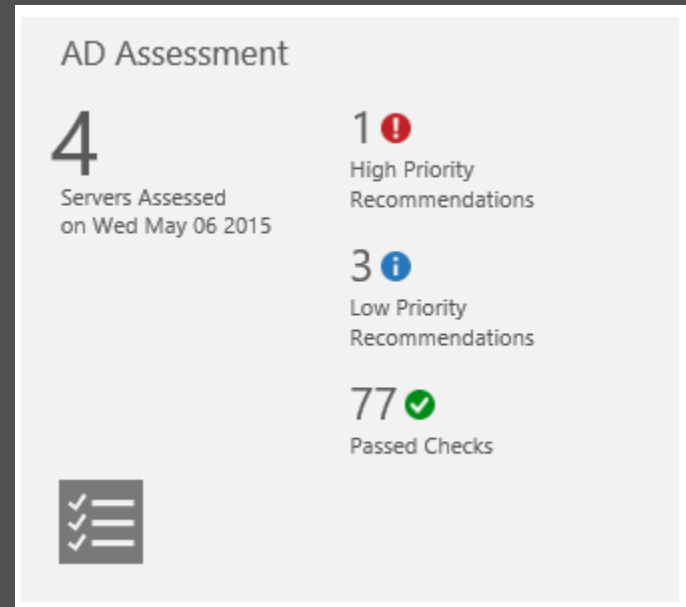
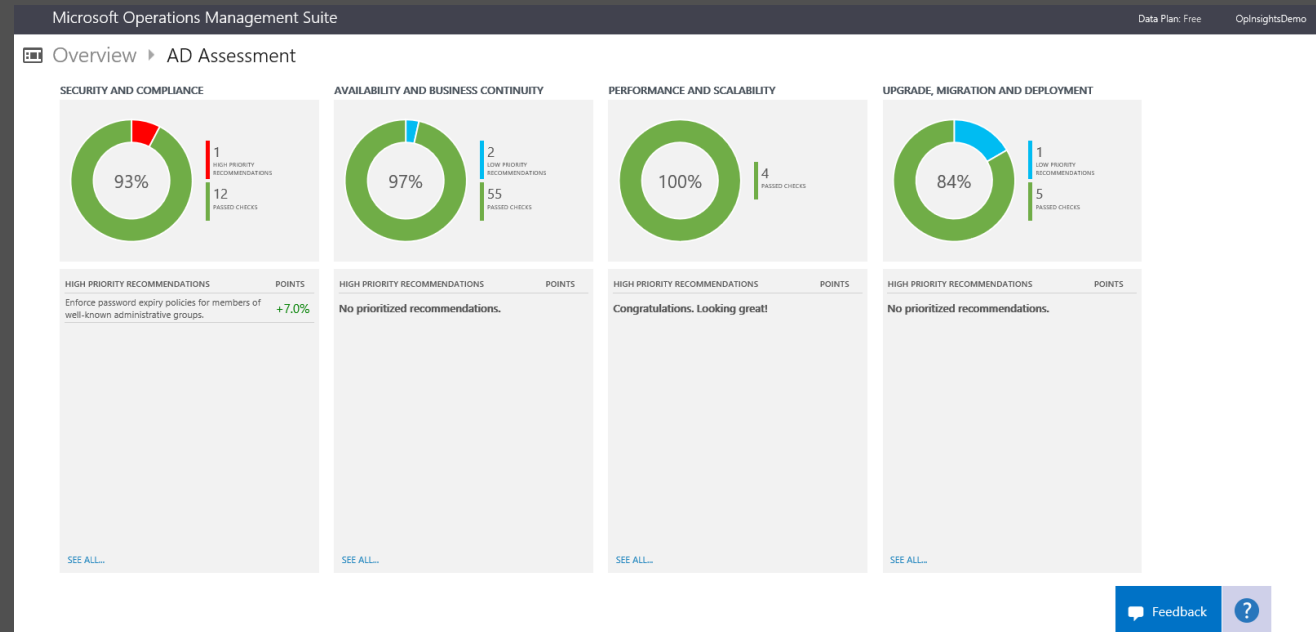
Solution Packs

Kontrola

Active Directory

Doporučená nastavení

- Bezpečnost
- Dostupnost
- Výkon
- Upgrade

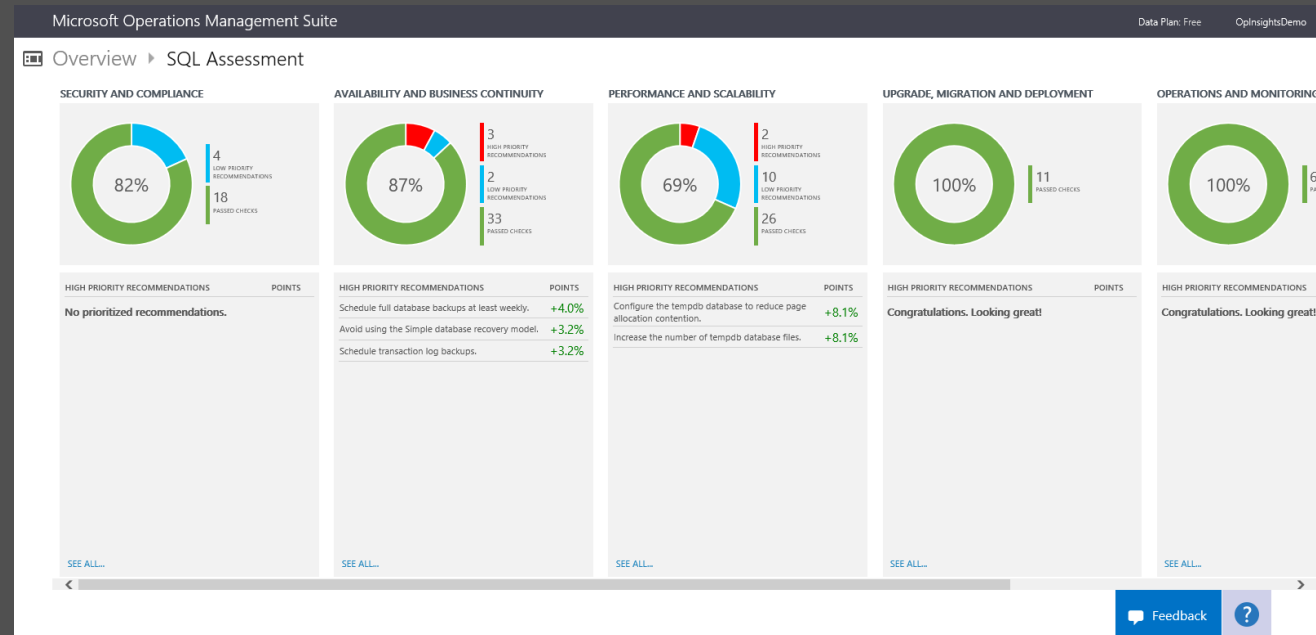


Solution Packs

Kontrola SQL Server

Doporučená nastavení

- Bezpečnosti
- Dostupnost
- Výkon
- Upgrade
- Monitoring
- Změny konfigurace



AD Assessment

4

Servers Assessed
on Wed May 06 2015

1

High Priority
Recommendations

3

Low Priority
Recommendations

77

Passed Checks

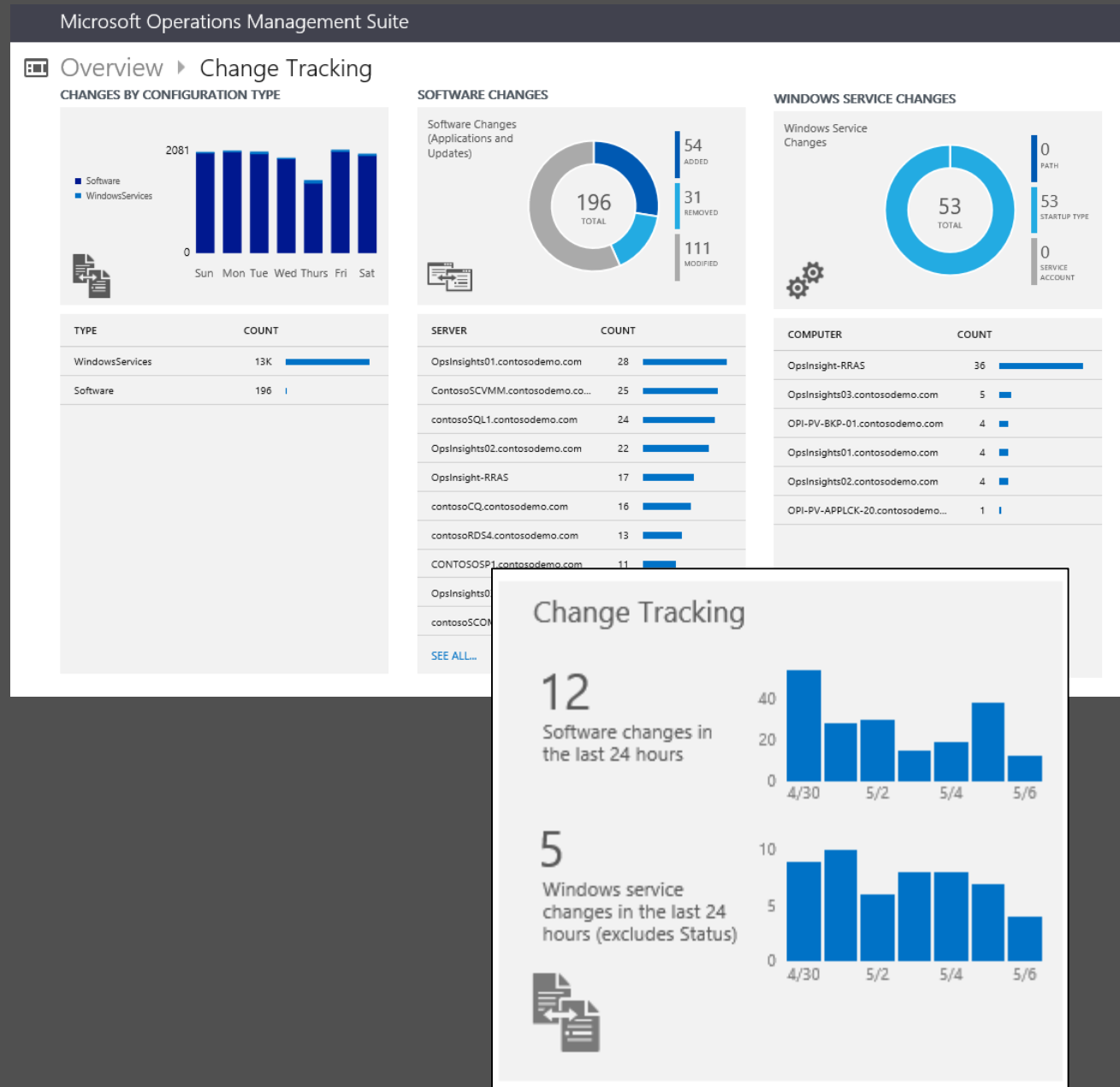


Solution Packs

Řízení změn

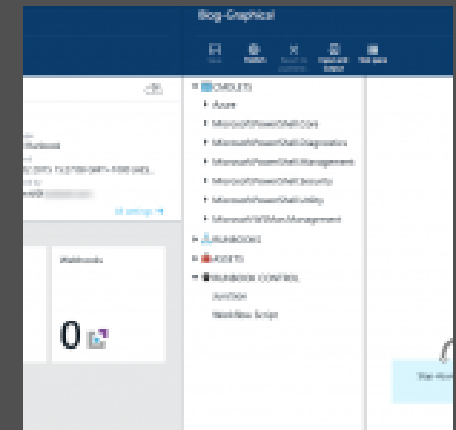
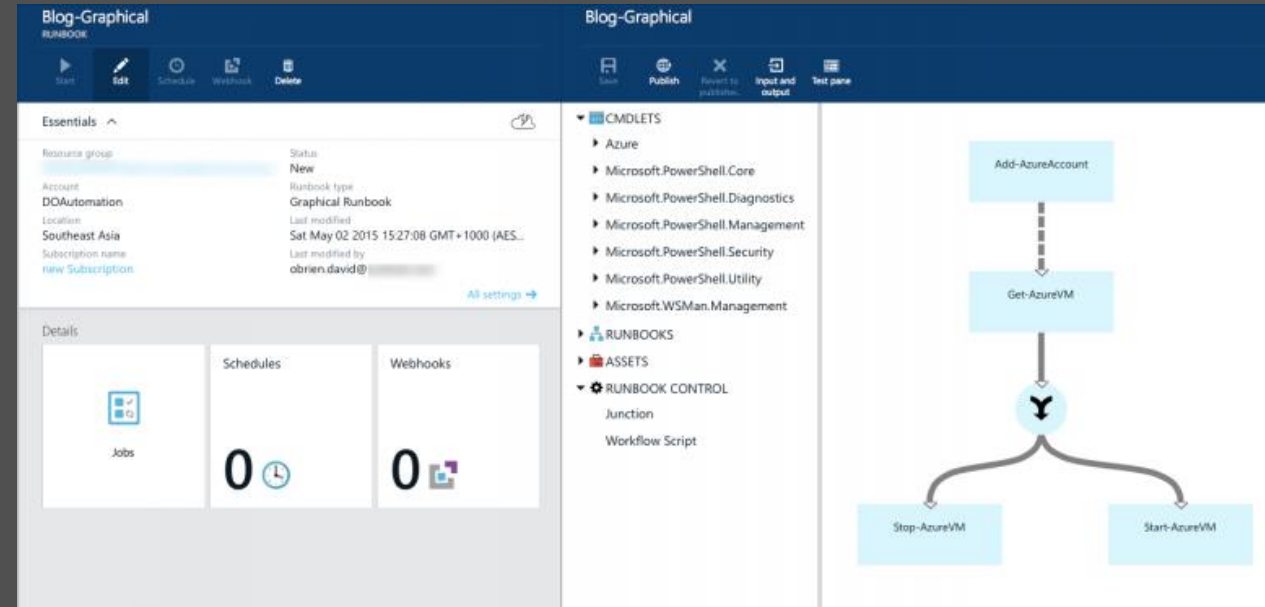
Sledování změn napříč

- Typy změn
- Změny aplikací
- Změny konfigurace
- Změny služeb



Automatizace

- Podpora cloud i on-premise
 - Azure Automation runbooks
 - Automatizace dostupná přes API
- Grafický nástroj
- Více procesů
- Více workflow



Záloha a Site Recovery

Přehled napříč zálohami

- Chránění servery
- Velikost zálohy
- Stav zálohování
- Napojení na Azure

The screenshot displays the Microsoft Operations Management Suite interface. At the top, it says "Microsoft Operations Management Suite". Below that, there are navigation tabs for "Overview" and "Backup". The main content area is titled "Summary: ITPRodBackup" and features two large summary cards: "13 Registered servers" and "126.7GB Total data protected in Azure". Below these are two columns of text providing context on data protection and recovery. In the foreground, two smaller dashboard cards are overlaid. The left card, titled "Backup ITPRodBackup", shows "13 Servers backed up" and "126.7GB" of data, with a "Backup data" icon at the bottom. The right card, titled "Azure Site Recovery", shows "2 Registered servers" and "0 Failed jobs in the last 24 hours", with a "Site Recovery" icon at the bottom.

Microsoft Operations Management Suite

Overview ▶ Backup

Summary: ITPRodBackup

13 Registered servers

126.7GB Total data protected in Azure

Data is the heart of any organization and backing up this data is a key part of a business strategy. Cloud based backup solutions provide a reliable, inexpensive way to protect your data with zero capital investment and low operational costs.

Protect your critical assets wherever they are Your data and applications are everywhere - on Servers, Clients and in the Cloud.

Backup ITPRodBackup

13 Servers backed up

126.7GB

Backup data

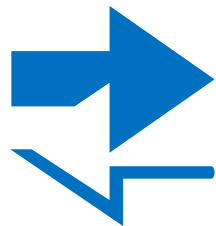
Azure Site Recovery

2 Registered servers

0 Failed jobs in the last 24 hours

Site Recovery

Bezpečnost



Více platforem

- Windows a Linux
- On premise, Azure, AWS



Průběžná kontrola

- Automatizace
- Nejdůležitější problémy



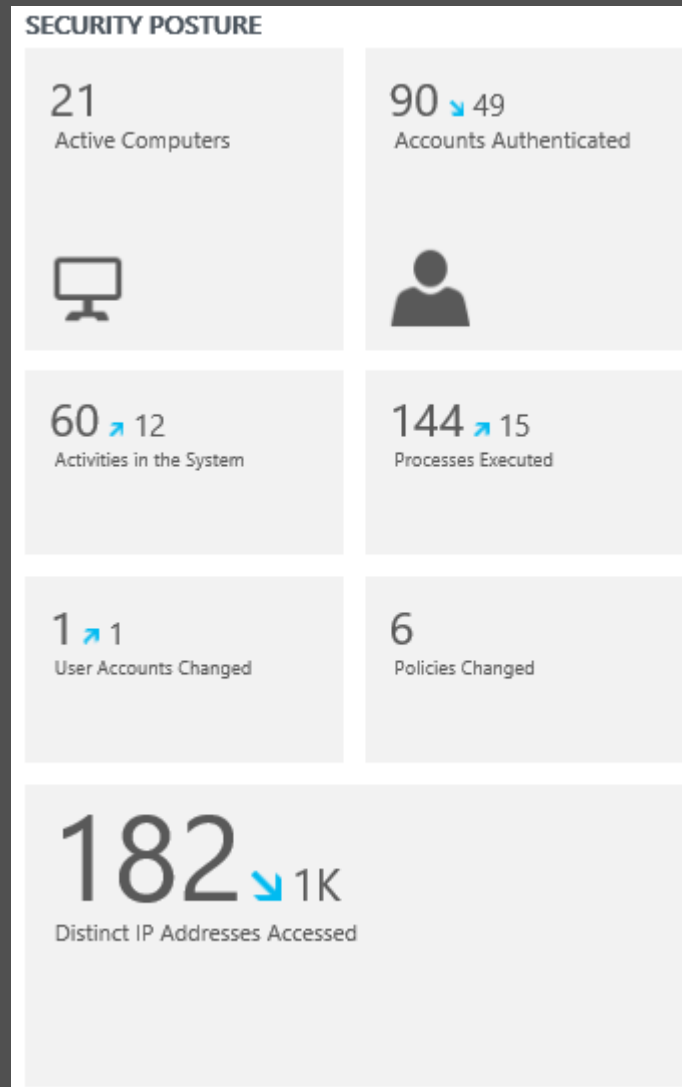
Audit

- Centrální místo sběru dat
- Excel, PowerBI, API
- Uchování dat

Bezpečnost

Přehled napříč servery

- Aktivní počítače
- Ověřování účtů
- Aktivity v prostředí
- Spouštěné procesy
- Změna politik
- IP adresy a reputace




Bezpečnost

Nejzásadnější problémy a jejich výskyt v prostředí

- Nevalidní přihlášení
- Změny zabezpečení
- Změny hesel
- Prázdný log událostí
- Uzamknuté účty
- Vzdálená volání
- Podezřelé aplikace

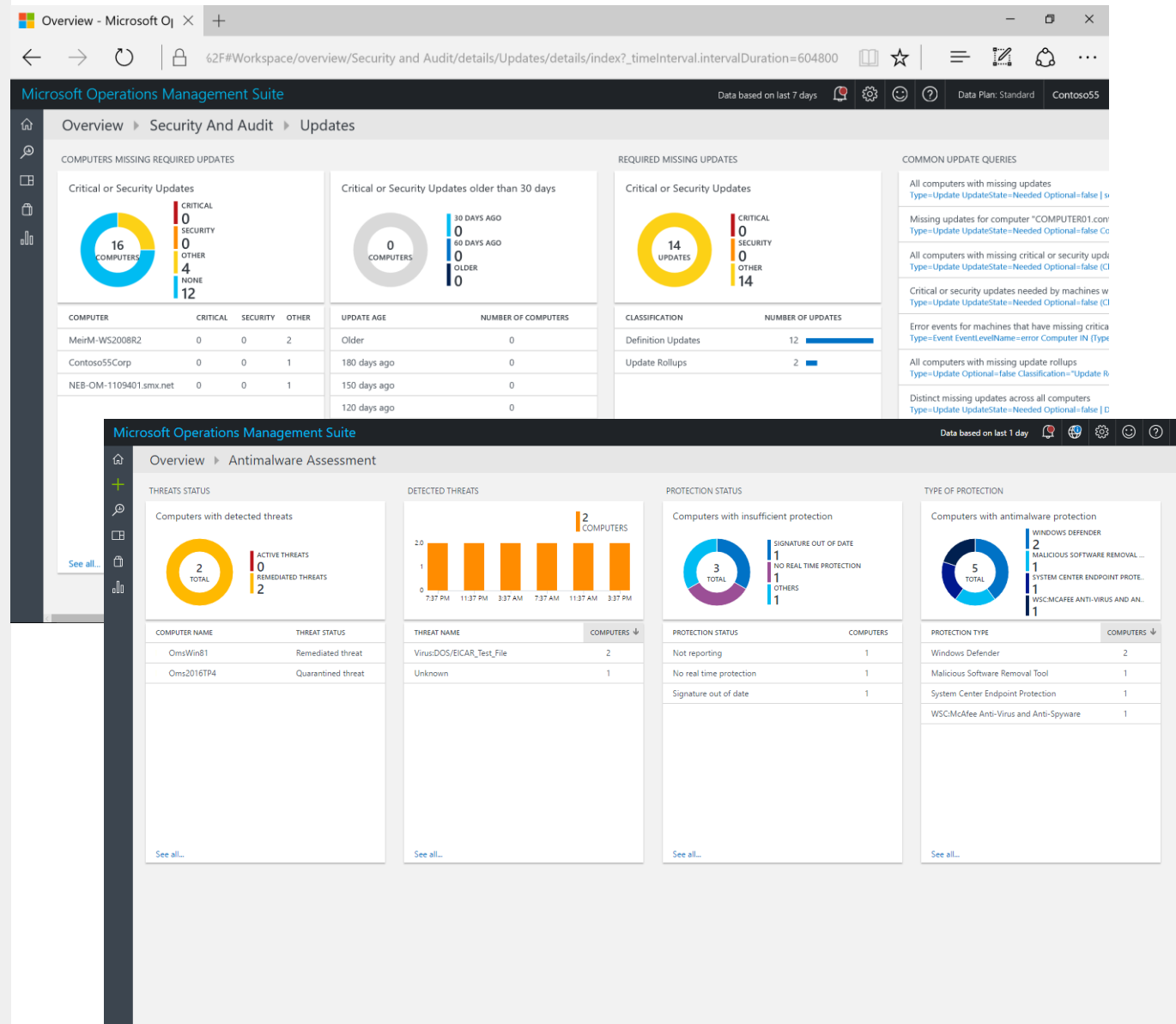
NOTABLE ISSUES

75 ↓ 44
Notable issues



NAME	COUNT	CHANGE
Failed logons	58	↓ 45
Computers with System Audit Policy Chan...	6	0
Suspicious Executables	4	↓ 2
Security Groups Created or Modified	2	↑ 1
Remote Procedure Call (RPC) attempts	2	0
Change or Reset Passwords Attempts	1	↑ 1
Members Added to Security-Enabled Gro...	1	↑ 1
Computers with Cleaned Event Logs	1	0
Domain Security Policy Changes	0	0
Locked-out Accounts	0	0

Stav ochrany Stav aktualizace

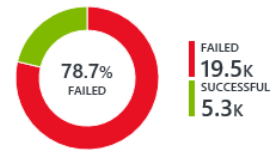


Identity Activity



IDENTITY POSTURE

Logons



Accounts logged on

5

698 ↑
282

Locked accounts

0

Accounts with changed or reset password

0

Active critical notable issues

0

Active warning notable issues

1 ↓ 1

FAILED LOGONS

Failed logon reasons



ACCOUNT	FAILED ↓	ATTEMPTS
MEIRM-WS2008R2\Administrator	100%	12K
MEIRM-WS2008R2\administrator	100%	3K
MEIRM-WS2008R2\admin	100%	181
MEIRM-WS2008R2\user	100%	109
\ADMINISTRATOR	100%	101
MEIRM-WS2008R2\test	100%	72
MEIRM-WS2008R2\user1	100%	72
\testuser	100%	57
\copier	100%	50
\conference	100%	50

[See all...](#)

LOGONS OVER TIME



COMPUTER ACCESSED	LOGON ATTEMPTS
MeirM-WS2008R2	17K
ad-pdc.sp.contoso55.com	5K
sql-0.sp.contoso55.com	2K
ad-bdc.sp.contoso55.com	996
sql-1.sp.contoso55.com	462
sql-w.sp.contoso55.com	55
meirm-x1.middleeast.corp.micr...	29
C55-ATA-Center	1
SPS-APP-0.sp.contoso55.com	1
SPS-APP-1.sp.contoso55.com	1

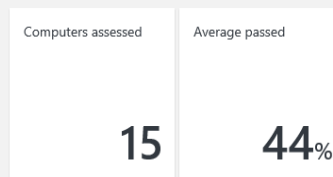
[See all...](#)

Soulad s doporučeními

Microsoft Operations Management Suite

Overview > Security And Audit > Security Baseline Assessment

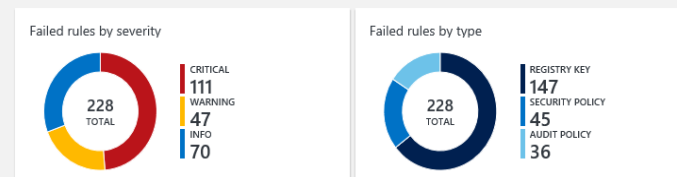
COMPUTERS COMPARED TO BASELINE



COMPUTER	TOTAL RUL...	PASSED
Contoso5SDC.contoso55.com	138	38%
NEB-OM-1085418.smx.net	138	40%
WAP-Demo	138	43%
MeirM-WS2008R2	118	44%
ad-bdcsp.contoso55.com	138	44%
ad-pdcsp.contoso55.com	138	44%
C55-ATA-Center	138	45%
Contoso55Corp	136	45%
sql-0.sp.contoso55.com	136	45%
sql-1.sp.contoso55.com	136	45%

[See all...](#)

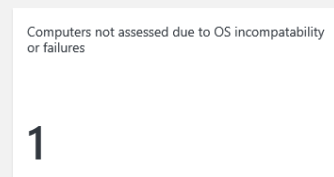
REQUIRED RULES STATUS



FAILED RULE	SEVERITY	TOTAL FAILED
Audit: Force audit policy subcategory settings (Windows Vista or later) to override audit policy category...	Critical	9
Do not display network selection UI	Critical	9
Prevent enabling lock screen slide show	Critical	9
Microsoft network client: Digitally sign communications (always)	Critical	9
Network security: LAN Manager authentication level	Critical	9
Network access: Do not allow anonymous enumeration of SAM accounts and shares	Critical	9
Sign-in last interactive user automatically after a system-initiated restart	Critical	9
Apply UAC restrictions to local accounts on network logons	Critical	9
Microsoft network server: Digitally sign communications (always)	Critical	6
Microsoft network server: Digitally sign communications (if client agrees)	Critical	6

[See all...](#)

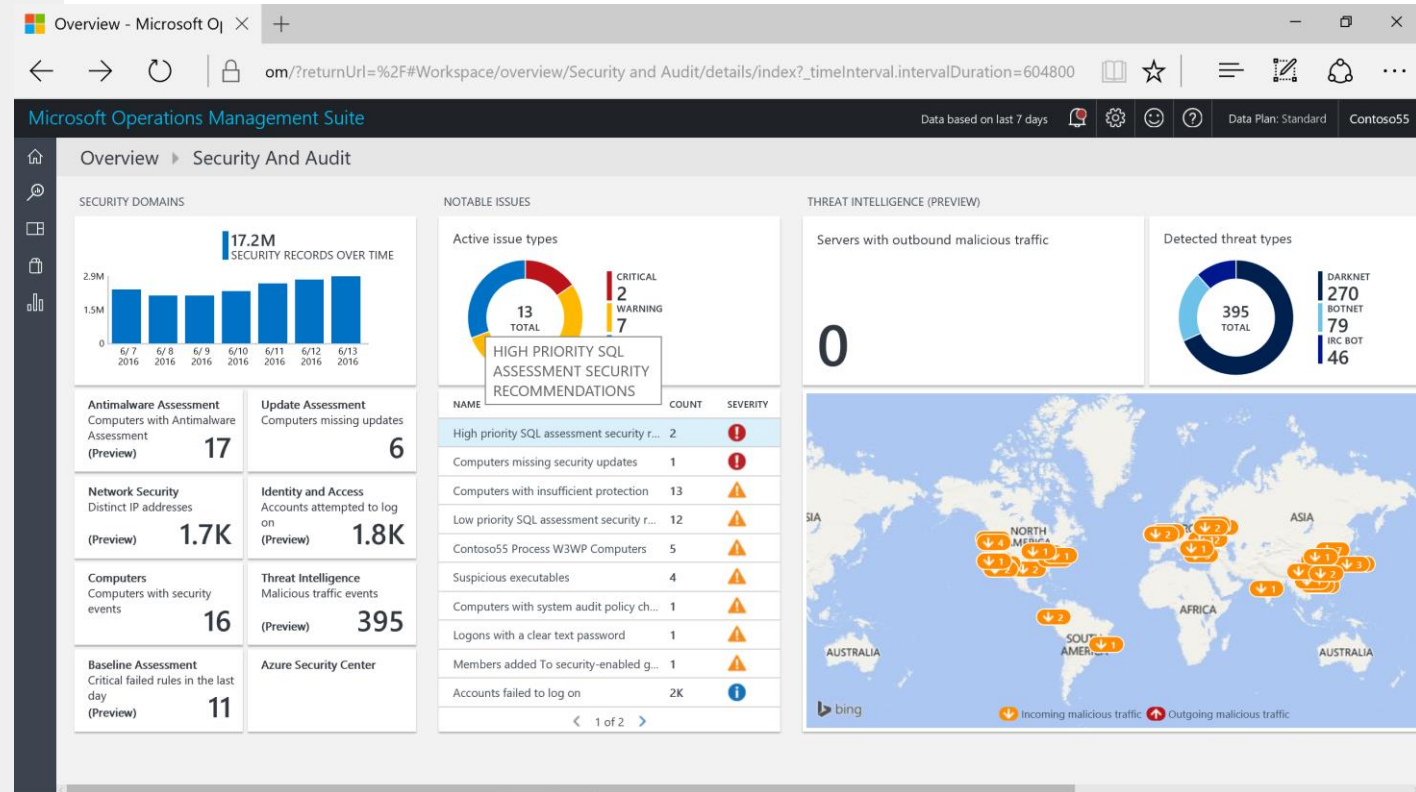
COMPUTERS MISSING BASELINE ASSESSMENT



COMPUTER
meirm-x1.middleeast.corp.microsoft.com

[See all...](#)

To důležité



Audit

Microsoft Operations Management Suite

Overview > Security And Audit

SECURITY DOMAINS

Security records over time

NOTABLE ISSUES

Active issue types

Critical	2
Warning	2
Info	1
TOTAL	5

DETECTIONS (PREVIEW)

DETECTIONS OVER TIME

NAME	COUNT	SEVERITY
Computers missing security updates	6	Warning
Suspicious process executed	1	Critical

THREAT INTELLIGENCE

Servers with outbound malicious traffic: 0

Detected threat types

DARKNET	1.9k
BOTNET	152
FILEBOT	32
OTHERS	2
TOTAL	2k

Antimalware Assessment: 11
Network Security: 4.6K
Computers: 11
Baseline Assessment: 63

Update Assessment: Computers missing updates

Search - Microsoft Oper x

604800&q=Type%3DSecurityEvent%20%7C%20measure%20count()%20as%20SecurityEvents%20by%20Computer

Microsoft Operations Management Suite

Search

Data based on last 7 days

TYPE (1)

SecurityEvent	17M
---------------	-----

COMPUTER (16)

sql-1.sp.contoso55.com	9M
meirm-x1.middleeast.corp.microsoft.com	3M
MeirM-WS2008R2	766K
ad-pdc.sp.contoso55.com	759K

Type=SecurityEvent | measure count() as SecurityEvents by Computer

16 Results

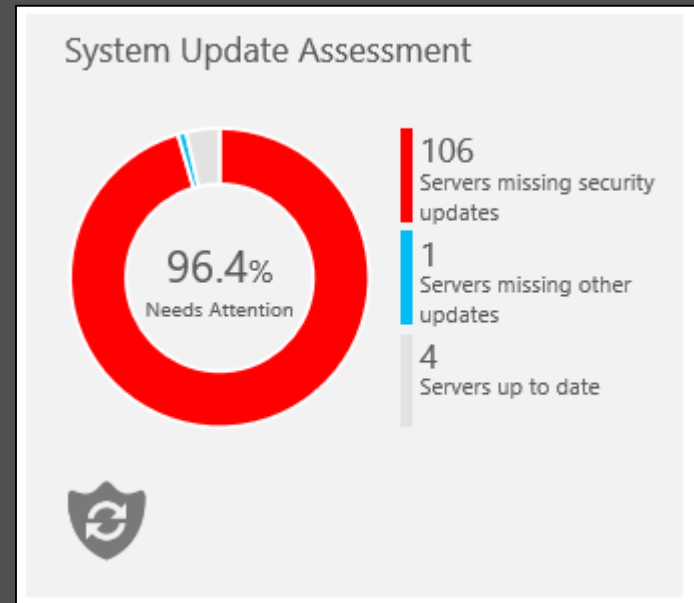
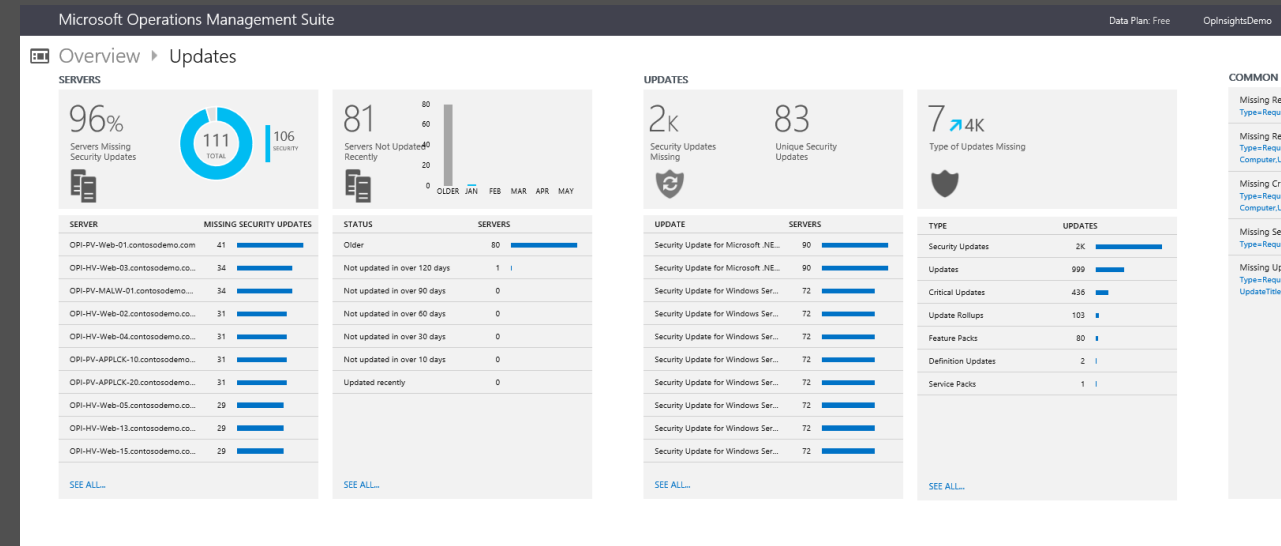
COMPUTER	SECURITYEVENTS
sql-1.sp.contoso55.com	8,866,019
meirm-x1.middleeast.corp.microsoft.com	3,083,047
MeirM-WS2008R2	766,431
ad-pdc.sp.contoso55.com	759,188
NEB-OM-1109961.smx.net	605,158
ad-bdc.sp.contoso55.com	566,974
sql-0.sp.contoso55.com	379,236
Contoso55Corp	375,229
WAP-Demo	331,882
SPS-APP-0.sp.contoso55.com	302,357
SPS-WEB-1.sp.contoso55.com	288,764
SPS-WEB-0.sp.contoso55.com	277,813
SPS-APP-1.sp.contoso55.com	235,239
sql-w.sp.contoso55.com	220,211
C55-ATA-Center	98,556
Contoso55DC.contoso55.com	337

Solution Packs

Aktualizace

Stav aktualizací napříč prostředím

- Chybějící aktualizace
- Neaktualizované servery
- Typ chybějících aktualizací

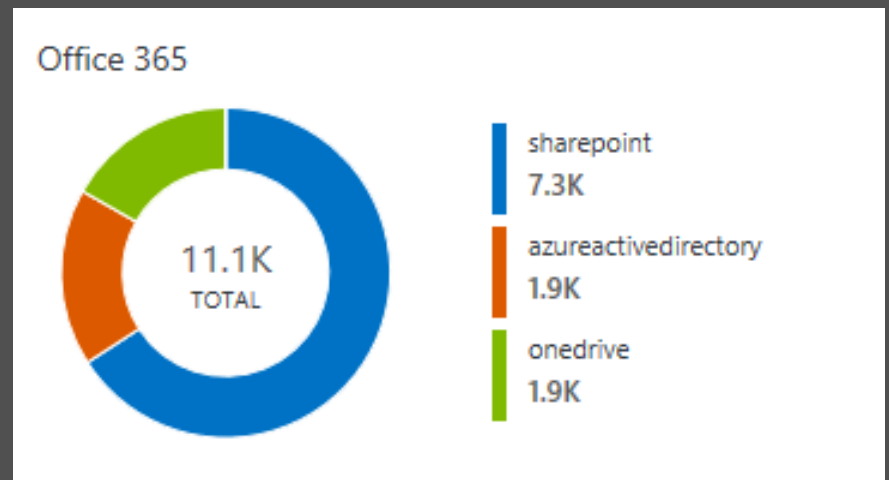
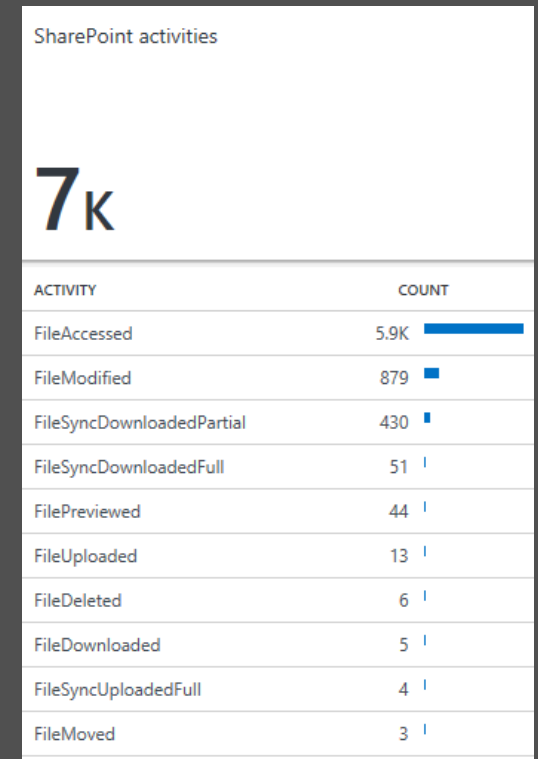
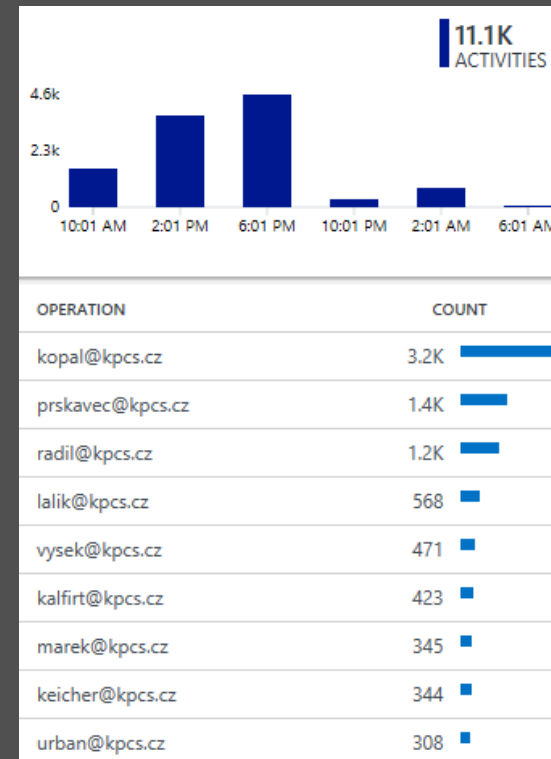


Solution Packs

Office 365

Aktivity v Office 365

- Management API
- Exchange Online
- SharePoint Online
- Azure AD

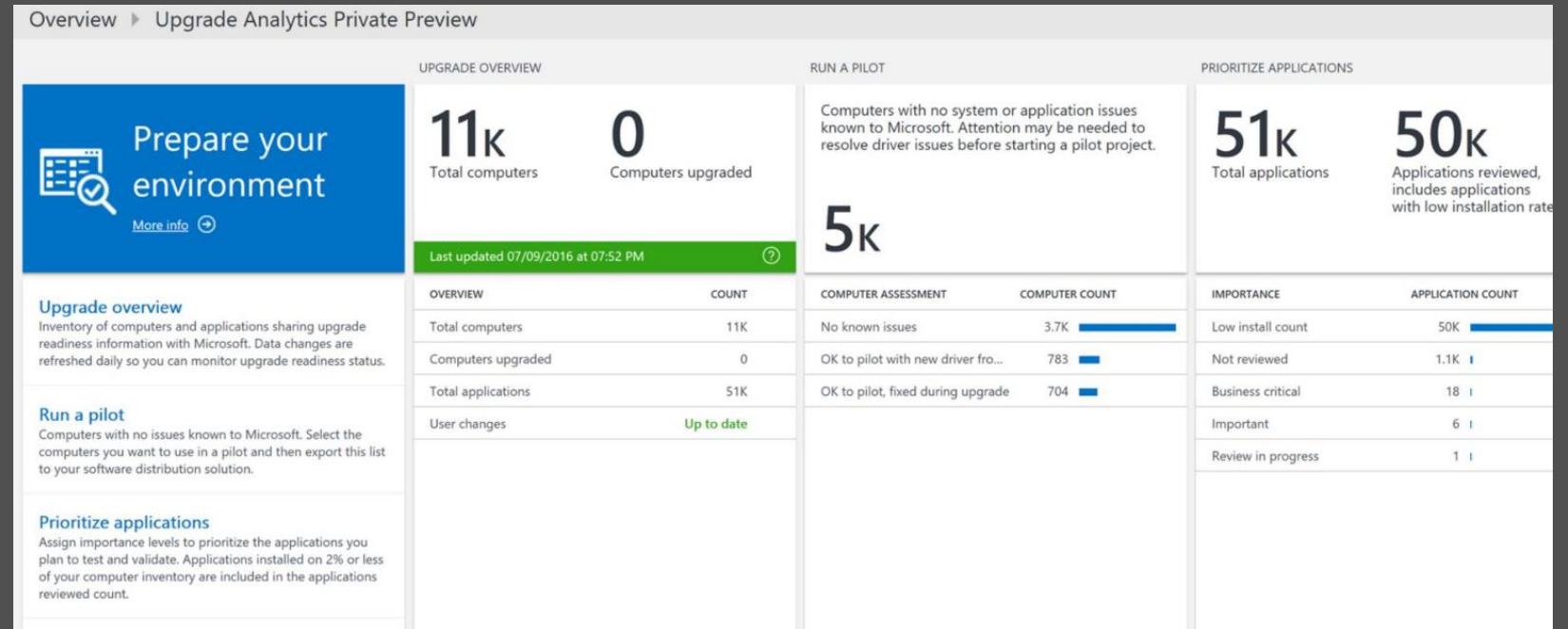


Solution Packs

Upgrade Analytics

Upgrade systému

- Verze
- Aplikační portfolio
- Kompatibilita
- Testování



Tím nekončíme...



Agent Health **NEW**

Available

The Agent Health solution gives customers insight into the health, performance and availability of their agents (both Windows and Linux agents).



Application Insights (Preview)

Available

Connect Application Insights Accounts and increase your visibility across applications.



Azure Networking Analytics (Preview)

Available

Gain insight into your Azure Network Security Group and Application Gateway logs



Containers

Available

See Docker container performance metrics and logs from containers across your public or private cloud environments.



Key Vault (Preview)

Available

Understand your Key Vault usage through Analysis of Key Vault logs



Service Fabric

Coming

Identify and troubleshoot issues across your Service Fabric cluster



SQL Assessment

Available

Assess the risk and health of SQL Server environments.



Wire Data

Coming

Provides the ability to explore wire data and helps identify network related issues.



AD Assessment

Owned

Assess the risk and health of Active Directory environments.



SCOM Assessment **NEW**

Coming

Assess the risk and health of System Center Operations Manager Server environments.



Azure Automation

Available

Automate time consuming and frequently repeated tasks in the cloud and on-premises.



Backup

Available

Manage Azure IaaS VM backup and Windows Server backup status for your backup vault.



DDI Analytics

Coming

Provides security, performance and operations related insights into DNS, DHCP and IP address infrastructure



Network Performance Monitor (Preview)

Available

Offers near real time monitoring of network performance parameters like loss and latency.



Azure Site Recovery

Available

Monitor virtual machine replication status for your Azure Site Recovery Vault.



Surface Hub

Available

Provides the ability to monitor Microsoft Surface Hub devices.



Wire Data 2.0

Coming

Provides the ability to explore wire data and helps identify network related issues.



AD Replication Status

Owned

Identify Active Directory replication issues in your environment.

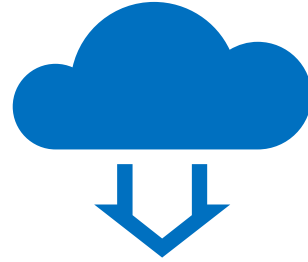
Tím nekončíme...

- Agent Health
- Application Insights
- SCOM Assesment
- Azure Networking
- Containerrrs
- Key Vault
- Service Fabric
- DDI Analytics (DNS, DHCP, IP)
- Netowrk Performance
- Surface Hub
- Wire Data
- AD Replication
- Antimalware
- System Update

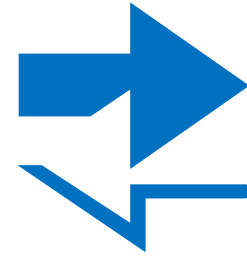
Automatizace podstatného



Rychlá reakce

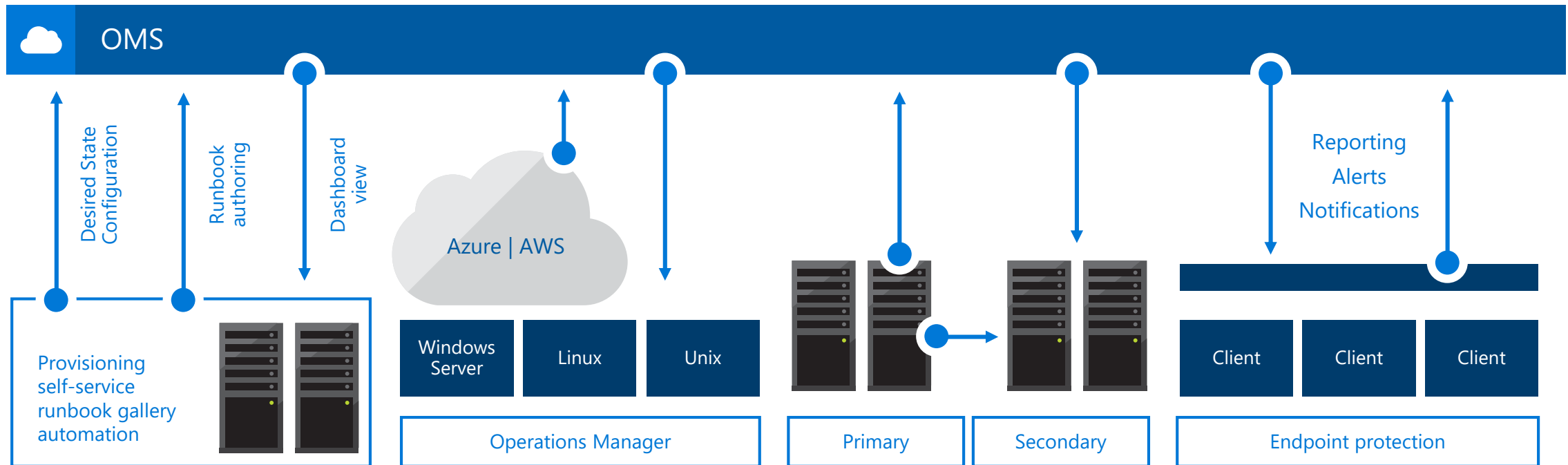


Záloha a obnova



Integrované řešení

System Center + OMS společně dodávají jednotný hybridní cloud management



System Center

Jednoduchá IT automatizace

Real-time pohled

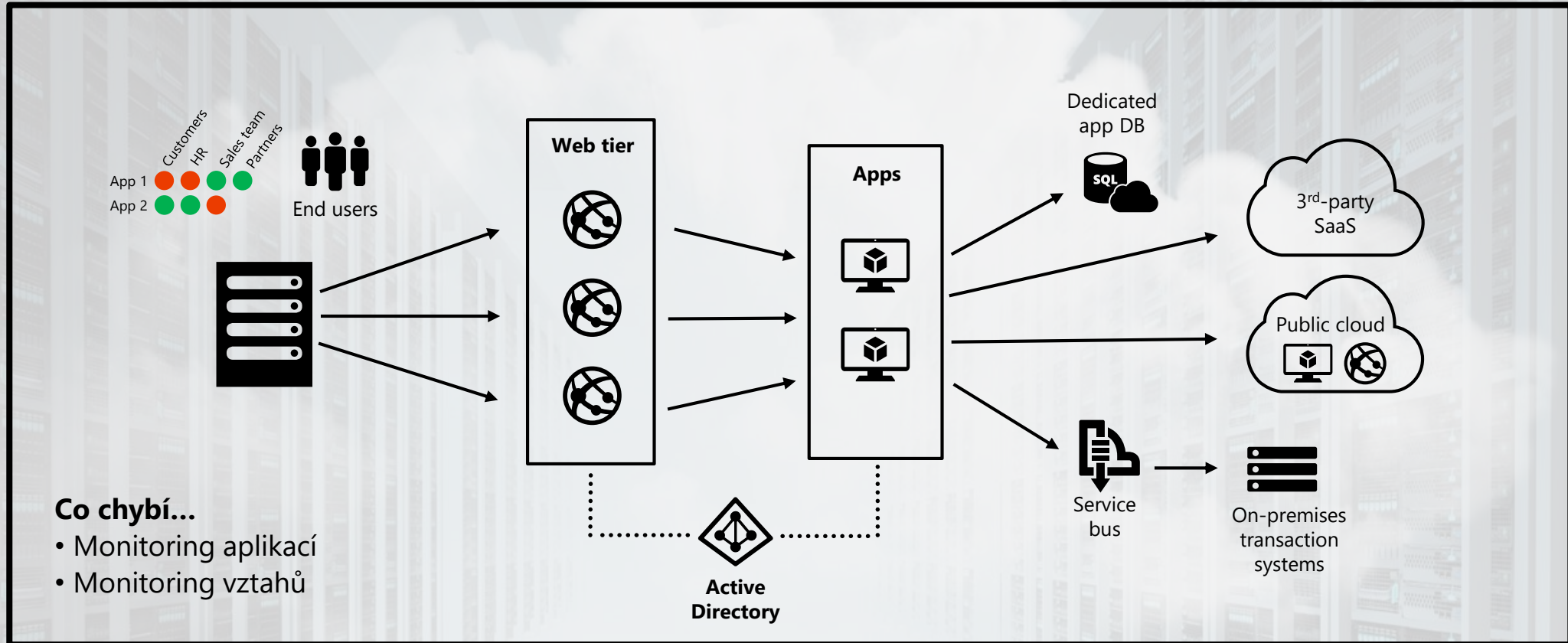
Cloudová ochrana

Silná analýza hrozeb



Správa aplikací

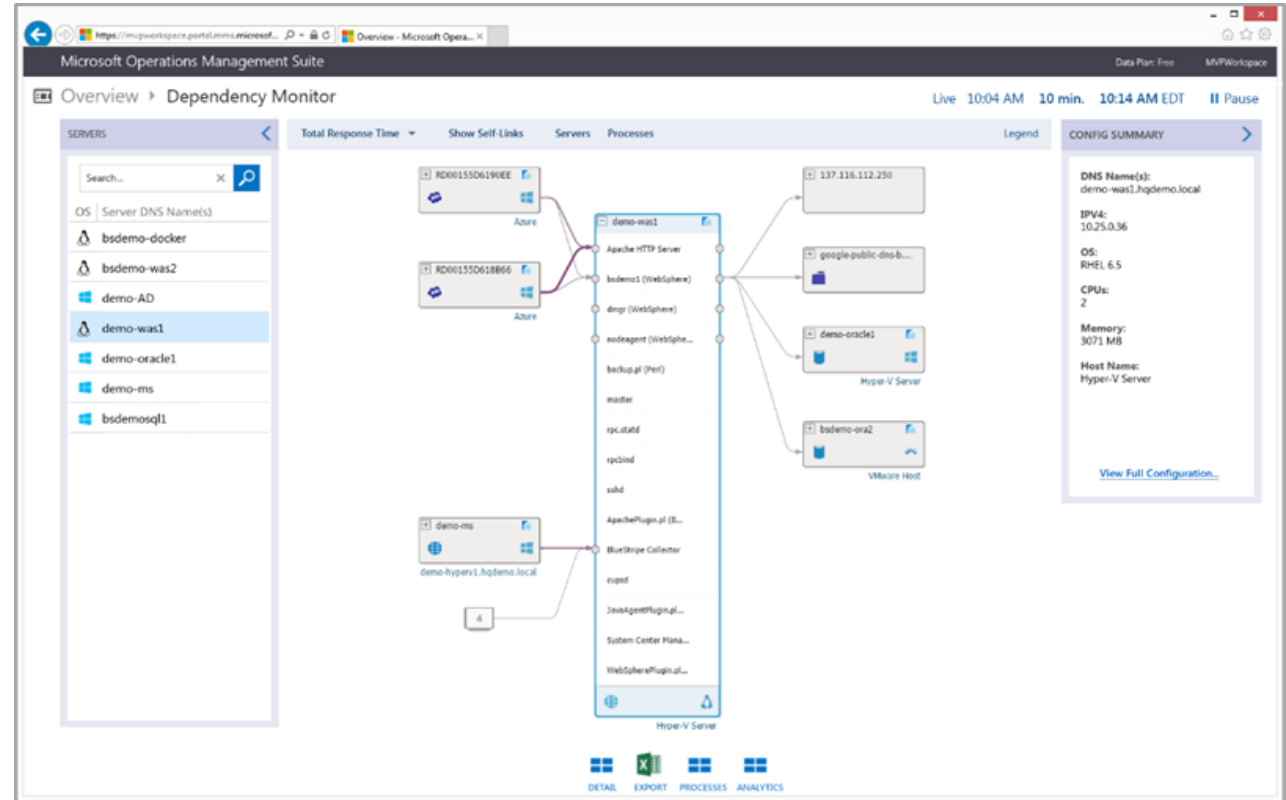
Entropie a komplexita moderních aplikací



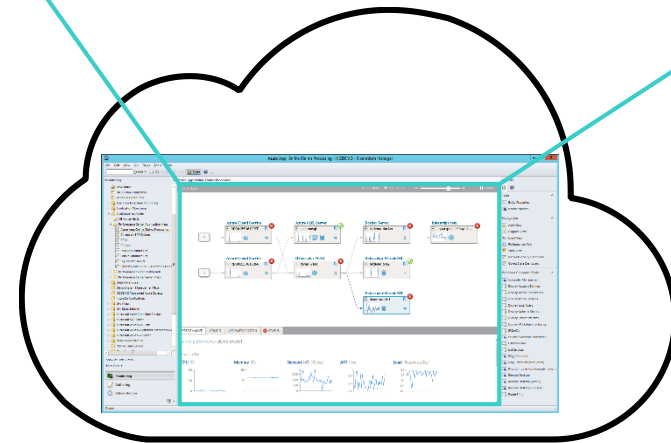
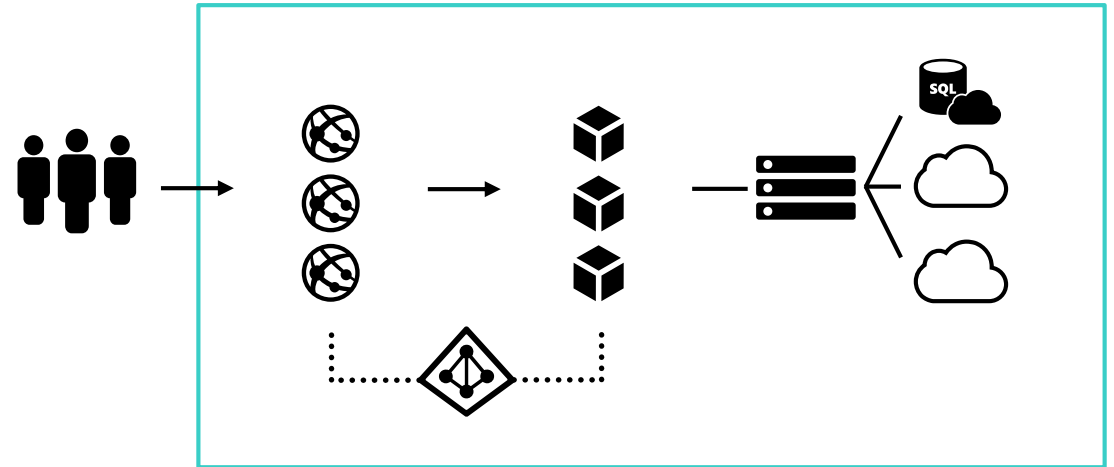
Servisní služby, které zajišťují chod aplikací (a které nikdo nevidí):



Závislosti

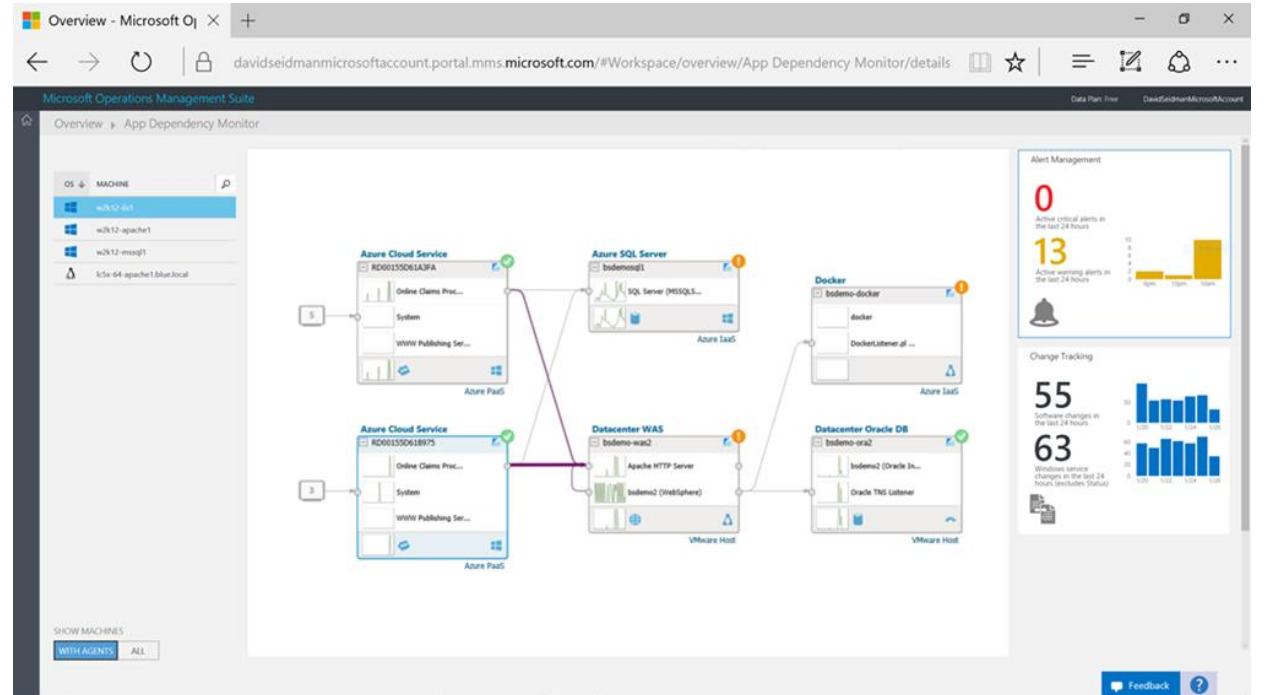


Aplikace



Operations Management Suite

Sledování výkonu





Zálohování

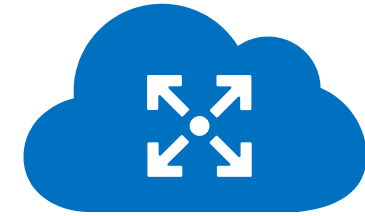
Zálohujeme do cloudu



Minimální údržba



Efektivita ceny



Škálovatelnost

- Bez správy infrastruktury
- Řádově vyšší SLA

- Dlouhodobé využití
- Platím, jen co využiji

- Retence dat 99+ let
- Neomezení uložení

Jednoduchá správa

- Vyberte typ zálohy
- Zvolte retenci
- Povolte zálohování

The screenshot displays the Azure Recovery Services vault management interface for 'Contoso-vault'. The interface is divided into several sections:

- Left Panel:** A list of subscriptions with 'Contoso-vault' selected. It includes a search bar and a 'Filter by name...' dropdown.
- Essentials:** A summary of vault details including Resource group (Contoso-web-app), Status (Active), Location (West US), Subscription name (BCDR Black-belt Lab), and Subscription ID (02229208-b8c8-4a52-bdd5-7752d9bb1d8a). It also shows Backup items/Azure VM Backup (0), Backup management servers (0), and Replicated items (0).
- Monitoring:** A section for monitoring the vault's health, including Site Recovery Health, Unhealthy services (0), and Events (0).
- Backup:** A section showing Backup Items, Backup Jobs, and Backup Usage. The usage table is as follows:

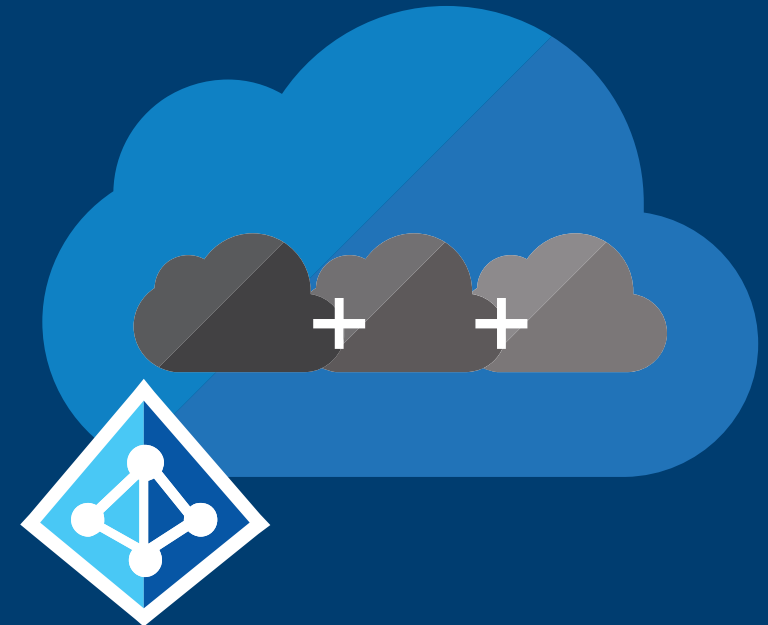
Backup Items	Backup Jobs	Backup Usage
Azure Virtual Machines	Azure virtual mach... 1	Cloud - LRS 0 B
File-Folders		Cloud - GRS 0 B
- Site Recovery:** A section showing Replicated items (0), Recovery plans (0), and Site Recovery jobs (Failed: 0, Waiting for input: 0, In progress: 0).
- Right Panel:** A progress indicator showing three steps: 1. Scenario Selected (checked), 2. Backup Policy Selected (checked), and 3. Items to backup Selected (checked).
- Bottom:** An 'Enable Backup' button and an 'Add a group' button.

Záloha pro Azure VM

Redundance není zálohou!

OMS: Backup

- Integrované řešení
- Bez dopadu na výkon



Ochrana poboček a lokací



Redukce správy a nákladů

OMS: Backup

- Operativní zálohování
- Soubory a adresáře do cloudu

Zálohování organizace

Zbavte se neefektivních systémů

OMS: Backup

- Škálovatelné
- Nativní řešení





Automatizace

Komunita

The screenshot shows the 'Browse Gallery' interface with a search bar containing 'Virtual Machine'. Several runbooks are listed, including 'Connect to an Azure Virtual Machine', 'Start Windows Azure Virtual Machines on a Schedule', 'Stop Azure Virtual Machine using Azure Automation', 'Configures Secure Remote PowerShell Access to Azure Virtual Machines', and 'Start Azure Virtual Machine using Azure Automation'. The 'Start Windows Azure Virtual Machines on a Schedule' runbook is highlighted, showing its description, tags, and metadata.

This panel provides a detailed view of the selected runbook. It includes the title 'Start Windows Azure Virtual Machines on a Schedule', a 'View Source' link, and an 'Import' button. The description states: 'Demonstrates starting a single Virtual Machine or set of Virtual Machines (using a wildcard pattern) within a Cloud Service. It does this by creating scheduled tasks to start the Virtual Machine(s) on a schedule at the time specified.' Metadata includes 'Created by: Windows Azure Product Team Scripts - Microsoft', 'Ratings: 4.69 of 5', '5,499 downloads', and 'Last update: 10/16/2014'. A 'View Source Project' link is also present. The PowerShell script content is displayed below:

```
1 <#
2 .SYNOPSIS
3     Creates scheduled tasks to start Virtual Machines.
4 .DESCRIPTION
5     Creates scheduled tasks to start a single Virtual Machine or a set of Virtual Machines
6     (using
7     wildcard pattern syntax for the Virtual Machine name).
7 .EXAMPLE
8     Start-AzureVMsOnSchedule.ps1 -ServiceName "MyServiceName" -VMName "testmachine1" `
9     -TaskName "Start Test Machine 1" -At 8AM
10
11     Start-AzureVMsOnSchedule.ps1 -ServiceName "MyServiceName" -VMName "test*" `
12     -TaskName "Start All Test Machines" -At 8:15AM
13 #>
14
15
16 param(
17     # The name of the VM(s) to start on schedule. Can be wildcard pattern.
18     [Parameter(Mandatory = $true)]
19     [string]$VMName,
20
21
22     # The service name that $VMName belongs to.
23     [Parameter(Mandatory = $true)]
```

Rozhraní

The screenshot displays the Microsoft Azure portal interface for editing a Graphical Runbook. The breadcrumb navigation at the top reads: Microsoft Azure > OMSAutomation > Runbooks > HandleServiceStoppedAlert > Edit Graphical Runbook. The user profile in the top right corner is Praveen Rajasekar, DEFAULT DIRECTORY.

Left-hand navigation pane:

- New
- Resource groups
- All resources
- Recent
- App Services
- Virtual machines
- SQL databases
- Subscriptions
- Automation Accounts
- Storage accounts
- Security Center
- Log Analytics (OMS)
- Backup vaults
- Site recovery vaults
- Browse >

Central Canvas:

The central area shows a flowchart for the 'Edit Graphical Runbook' titled 'HandleServiceStoppedAlert'. The steps are:

- Connect to Azure
- Get Alert Search Results
- Start Runbook on Hybrid
- Get Finished Hybrid Job
- Branching from 'Get Finished Hybrid Job':
 - Left path: Get Job Output → Send Mail - Success → Output Success Results
 - Right path: Send Mail - Failed → Output Failed Results

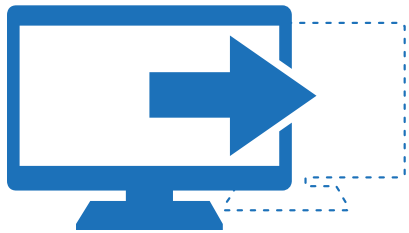
Right-hand configuration pane:

- Name: Get-AzureRmAutomationJob
- Label: Get Finished Hybrid Job
- Comment: Get the hybrid job and retry until the job status in a final state like "completed".
- Checkpoint runbook: Yes No
- Parameters: Configure parameters >
- Optional additional parameters: Configure parameters >
- Retry behavior: Configure retry behavior >
- Notices: Retry enabled



Site Recovery

OMS Site Recovery



- Automatická replikace a řízení
- Obnova na kliknutí
- Integrace se službami Azure

- Kontrola zdraví
- Aplikační konzistence
- Testovací scénáře

Profesionální ochrana

- Vlastní politiky
- Aplikační scénáře

SOURCE (CONFIGURATION SERVER)

VM4ASREV2A

TARGET

Microsoft Azure

replication settings

MULTI VM CONSISTENCY

ON

OFF

RPO THRESHOLD



RECOVERY POINT RETENTION



APPLICATION CONSISTENT SNAPSHOT
FREQUENCY



Testování

- Ověření zálohovacího plánu

pod5-recovery (test failover)

JOB PROPERTIES

NAME	STATUS	START TIME	DURATION	
▶ Prerequisites check for the recovery pl...	✔ Completed	3/3/2016 2:58:22 PM	1 MINUTE	
▶ Create the test environment	✔ Completed	3/3/2016 2:58:28 PM	1 MINUTE	
▶ Recovery plan failover	** In progress	3/3/2016 2:58:37 PM		
▶ Group 1: Start (1)				
▶ Complete testing				
▶ Clean up the test virtual machines				
▶ Clean up the test environment				
▶ Finalizing test failover				
▶ Finalizing the recovery plan				

Rozšíření

- Vlastní automatizace
- Napojení na další služby

Add script on recovery side

Add an Azure runbook from an Automation account to run after 'All groups failover' starts.

SCRIPT NAME

POD2 DR Remote Desktop

FAILOVER TO AZURE SCRIPT

AZURE AUTOMATION ACCOUNT

Pod2Automation

AZURE RUNBOOK SCRIPT

OpenRemoteDesktopPort



Varianty licencování OMS

Koncové ceny! Vhodnou formu nákupu ověřte s licenčním partnerem.

OMS
předplatné

OMS add-on k
System Center
Serveru

Nákup jednotlivých
služeb

OMS je licenční balíček služeb, které zlevňují nákup až o 50 % v porovnání s nákupem jen jednotlivých služeb.

Aktuální ceny ověřte, může dojít k jejich změně.

Srovnání licenčních variant OMS

Koncové ceny! Vhodnou formu nákupu ověřte s licenčním partnerem.

	OMS addon for Standard Edition	OMS addon for Datacenter Edition	OMS předplatné
Licenční předpoklad	System Center Standard Edition	System Center Datacenter Edition	Žádný
Co je obsaženo?	2 VM pack	10 VM pack	1 VM pack
Log Analytics	100 GB za rok	500 GB za rok	50 GB za rok
Process Automation	10,000 min za rok	50,000 min za rok	5,000 min za rok
Desired State Configuration	2 VMs	10 VMs	1 VM
Backup	2 VMs	10 VMs	1 VM
Site Recovery	2 VMs	10 VMs	1 VM
System Center	X	X	✓
Cena	\$45 /měsíc (2 VMs)	\$227 /měsíc (10 VMs)	\$35 /měsíc (1 VM)
Cílový uživatel	Existující System Center	Existující System Center	Bez System Center

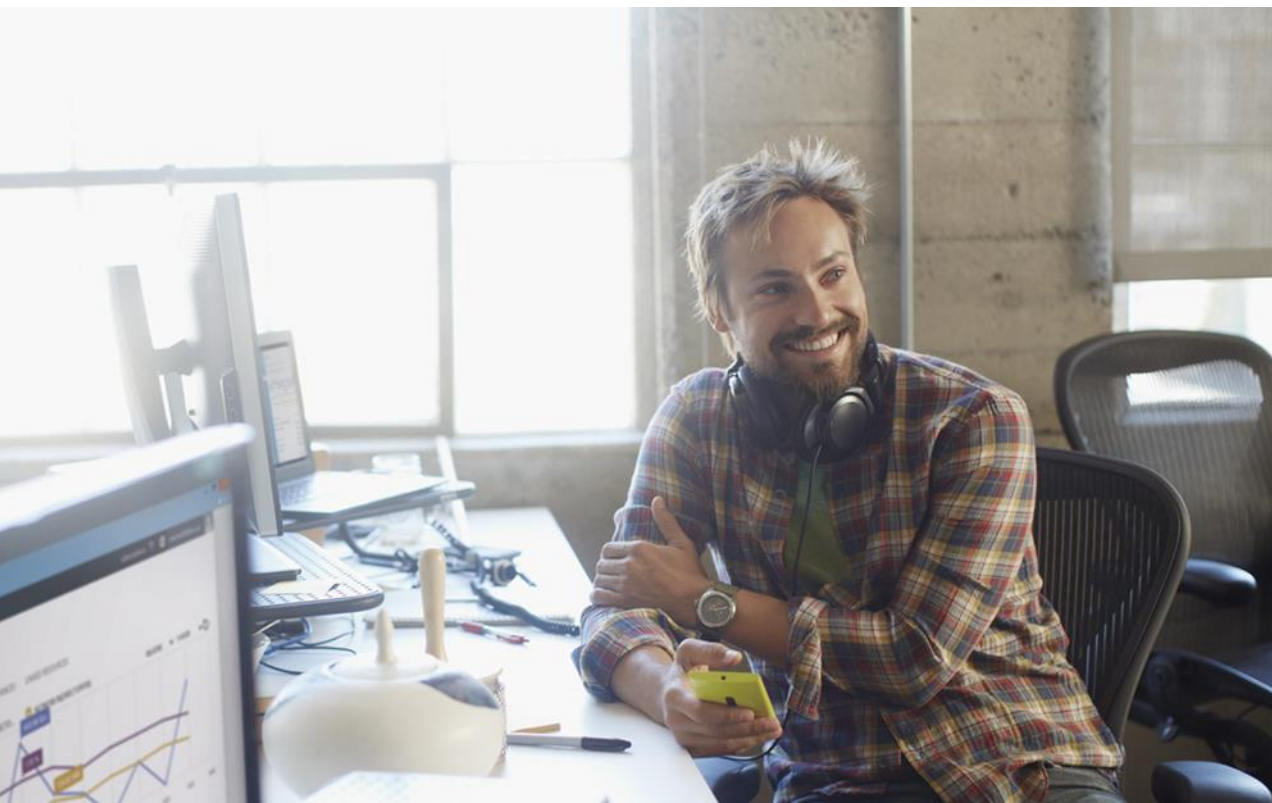
Nákup OMS služeb samostatně

Koncové ceny! Vhodnou formu nákupu ověřte s licenčním partnerem.

Jednotlivé funkce OMS lze pořídit i samostatně, za „plné“ ceny Azure služeb.

Log Analytics (premium)	\$3.50 za GB
Backup	\$10 za VM/měsíc
Site Recovery to Azure	\$54 za VM/měsíc
Site Recovery to other sites	\$16 za VM/měsíc
Process Automation	\$0.002 za min
Desired State Configuration	\$6 za VM/měsíc

Další kroky



vlk@kpcs.cz

- Ptejte se...
- Vyzkoušejte si...
Zkušební verze k dispozici zdarma!
- Naplánujte implementaci...

