Agenda

• Quick overview on Veeam Management Pack for System Center
• New features
• Technical product review and demo
Enabling strategic IT decisions

Applications drive businesses, and providing 24/7 access for the Always-On Business™, requires deep business insights, from the physical layer to the virtual

Veeam Management Pack*:
• Monitors performance and availability
• Analyzes operational metrics
• Ensures delivery of predictable SLAs

*Requires Microsoft System Center
Key IT challenges
## Management Pack benefits

<table>
<thead>
<tr>
<th>Benefit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Speed Recovery</td>
<td>Discover and solve problems with proactive monitoring</td>
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<tr>
<td>Data Loss Avoidance</td>
<td>Know your systems and data are available</td>
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<td>Verified Availability</td>
<td>Confirm your business is ready to meet RPO targets</td>
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<td>Leveraged Data</td>
<td>Eliminate blind spots, understand relationships, for better business continuity</td>
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<tr>
<td>Complete Visibility</td>
<td>Find and fix problems before they have an impact to the business</td>
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</table>

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# Veeam Management Pack

<table>
<thead>
<tr>
<th>Features</th>
<th>FREE For Veeam Backup *Remains active after 30-Day Trial ends</th>
<th>Enterprise Edition</th>
<th>Enterprise Plus Edition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topology views of infrastructure</td>
<td>*</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Alerts for performance, events and availability</td>
<td>*</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>System Center Report templates</td>
<td>⬤</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Real-time view of Host + VM performance (Hyper-V only)</td>
<td>⬤</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Advanced dashboards</td>
<td>⬤</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Capacity planning and modelling</td>
<td></td>
<td>⬤</td>
<td></td>
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<tr>
<td>Right-sizing and optimization</td>
<td></td>
<td>⬤</td>
<td></td>
</tr>
<tr>
<td>Reporting availability and protection</td>
<td></td>
<td>⬤</td>
<td></td>
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<tr>
<td>Failover data collection (vSphere only)</td>
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*Veeam Backup & Replication v7 and later
What customers say

“Veeam Management Pack’s reports bring even more value to our investment in Microsoft System Center because they give us additional insight into our virtual environment, helping us manage it smoothly and completely.”

— Alan Madsen
Technical Lead
Vestas Wind Systems A/S

“With Veeam MP we are faster, more proactive in resolving issues and have extra time for other data center activities… Veeam MP is definitely a good investment for companies that use SCOM.”

— Goran Zadravec
Technical Team Manager
Kraš
What experts say

“In the world of VMware monitoring, the name Veeam has become synonymous with quality.

When we talk to customers about monitoring VMware with System Center 2012, there is Veeam… and then there’s everyone else.”

– Pete Zerger
System Center MVP for Cloud and Datacenter
Managing Principal Consultant
What's New

Veeam Management Pack v8

for System Center
Critical visibility and protection

Planning and manage backups

Hybrid Cloud
Azure & vCloud Air

Microsoft System Center
Manage

Veeam Management Pack
Manage

Protect

Veeam Backup & Replication
Protect

Manage
What’s New with MP v8

Support for latest VMware environments
vSphere 6.0 support added

Management view - see the big picture
Veeam Morning Coffee Dashboard™ & Infrastructure Summary Report

Plan your journey to Hybrid Cloud
Latest Azure VMs options added to Hybrid Cloud Capacity Planning reports
What’s New with MP v8

Right sizing enhancements
Additional tuning recommendations to correct over- & under- sized VMs and hosts

Detailed Hyper-V Checkpoint and vSphere Snapshot tracking
Find lost snapshots & checkpoints causing storage performance issues

New Veeam Backup & Replication reporting
More advanced reporting on Veeam B&R – including Backup Infrastructure Assessment report
And more

Veeam Task Manager for Hyper-V
Now available as a Plug-in for System Center Virtual Machine Manager
See real-time performance metrics on hosts and VMs

Enhanced vCenter Alarm monitoring
Track configuration health, certificates, hardware components…
System requirements

Supported platforms

System Center 2012 SP1 and R2
Microsoft Hyper-V 2012 and later
VMware vSphere v4.1 and later - **NEW** vSphere 6.0 support
Veeam Backup & Replication v7 and later

Note: System Center Virtual Machine Manager (VMM) is *not* a requirement when monitoring Hyper-V hosts

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Solving IT challenges with Veeam Management Pack v8 for System Center
Challenge 1:

App-to-metal visibility

Proactive monitoring quickly identifies problems and helps you fix them.
Topology views

App-to-metal topology views
Compute, Storage and Network

- Compute topology
- Network topology
- Storage topology
- Drill down into specific VMs to view applications
NEW! vSphere 6 support

Full visibility into new vSphere features

- Support for VMware Virtual Volumes (VVOLs)
- Licensing alarms
- Certificate alarms
- vCenter component health
- vCenter component alarms
- Network health alarms

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Heatmap widget

At-a-glance visualization of multiple metrics

- VMs are grouped by host
- Tile size = first metric or property
- Tile color = second metric or property
NEW! Snapshot & Checkpoint tracking

Real-time heatmap visualizations

- Quickly identify issues
- Justify actions to reclaim or remove objects
- Enhance performance

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NEW! Morning Coffee Dashboard™

Get the BIG picture

At-a-glance real-time status of:
- vCenter or SCVMM
- Clusters
- Physical hosts
- Virtual Machines
- Storage
- Overall resource utilization
NEW! Veeam Backup Monitoring

Visibility for Veeam Backup & Replication™

- Backup Infrastructure Assessment report
- Job Configuration Change Tracking
- Delegated Restore Permissions
Challenge 2:

Missed SLAs

Solve problems faster!
Real-time analytic monitors

Veeam HyperV: VM Memory Pressure Analysis
Source: 01-nhv2
Full Path Name: 01-nhv2
Alert Monitor: Veeam HyperV: VM Memory Pressure Analysis
Created: 7/1/2014 4:27:52 PM

Alert Description
Hyper-V Virtual Machine 01-nhv2 on Host nhv2.n.local has high memory pressure of 102% over 3 samples.

Any value > 100% for memory pressure means that the VM is demanding memory from the Host, but cannot receive it. This can be due to either misconfigured Memory Max Limit for the VM, or to Host memory resource exhaustion.

The VM is currently using 100% of its allocated limit (15048 MB of limit 15048 MB).

Troubleshooting recommendation(s):
The high value of memory usage, close to the allocated limit, indicates that the VM Maximum Memory Limit should be increased. Allocate more memory to this VM.

Knowledge:
Summary
This monitor tracks threshold breaches for the following metric:

- Hyper-V Dynamic Memory VM \% Average Pressure - average pressure in the VM.

Causes
A virtual machine with a pressure of 100 (or less, if memory buffer is enabled) has exactly the amount of memory that it needs.

- If the virtual machine pressure goes over 100, it has less memory than it needs (equivalent to a negative memory availability).
- If the virtual machine pressure is under 100, the virtual machine has more memory than it needs. In this case, Hyper-V host can rework some memory using the ballooning driver, but for the Guest OS the amount of memory will stay intact (Guest Visible Physical Memory counter).
NEW! Veeam Task Manager for Hyper-V

Real-time Hyper-V metrics

- Unique dashboard
- Real-time metrics
- Now supports clusters
Traffic light widget
Top N with traffic lights

- Traffic light feature – green, yellow or red indicator bars
- Built-in default thresholds – can be personalized
Analysis dashboards
Challenge 3:

**Capacity planning**

Predict, model, analyze and plan
Capacity planning widget

Real-time forecasting dashboards

- Uses same logic as Veeam capacity planning reports
- Set parameter in widget personalization
Capacity planning reports

Analyze trends predict future needs

- Historical data drives predictive analysis
- Model and simulate “what-if” scenarios
Capacity planning reports

Leverage data for business insights

Including support for:
- vSphere
- Hyper-V
- Veeam Backup & Replication

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NEW! Hybrid Cloud capacity planning

Easily predict resource requirements to migrate on-premise workloads to the Cloud

- Enhanced capacity planning for Microsoft Azure & VMware vCloud Air
- Analyze on-premises virtual workloads
- Recommend required cloud IaaS resources

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Challenge 4: Inefficiencies
Optimize your resources in your datacenter!
Locate *Zombie* VMs

Reclaim lost resources

- Increase efficiency
- Stop VM sprawl
NEW! Right Sizing VM’s

Identify oversized and undersized VMs

- More options
- Leveraging better data sources
- Creating greater insights
Configuration tracking

Identify what has changed

- Supports vSphere or Hyper-V objects
- Automated configuration tracking
- Easily correlate events to what has changed
vSphere security

Host Security Profile Report

- Track and report security setting
- Drill down to specific change events
- See changes, timestamp, user and more
NEW! Enhanced vCenter Alarm monitoring

Bridging the gap between VMware and Microsoft

vCenter Alarms translated to OM Alerts:

- Licensing issues
- Security Certificate expiry
- vSphere host hardware
- And many more!

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Veeam MP is the right choice!
Critical management & insights

App-to-metal visibility and management for your strategic data center initiatives

Data center optimization
Hybrid cloud
Heterogeneous virtualization
Management consolidation
IT operations and governance
Windows Server 2003 upgrades

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* Only Veeam Backup & Replication v7 and above
Better together

Veeam Management Pack v8 + Microsoft System Center Operations Manager

Integrates fully into System Center’s native capabilities to maximize your investment and faster time to value

Is the only management pack for Hyper-V, vSphere and Veeam Backup & Replication within System Center

Gives you Hyper-V rightsizing, capacity planning and Azure planning

Brings real-time performance data for both hosts and VMs

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Proven in 2,000+ deployments
Veeam’s numerous awards

Veeam wins

80

BIGGEST

industry awards
Thank you!