

VEEAM

Veeam One – мониторинг, отчетность и планирование ресурсов

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Знакомство с Veeam

Veeam – это глобальная компания, основанная в 2006, со штаб-квартирой в городе Ваар, Швейцария



Более

282 000

заказчиков

Global 2000

57%

Более

16,4 млн

ВМ защищено

Veeam в цифрах

Количество заказчиков



282 000

заказчиков по всему миру
Более 4000 новых заказчиков
в месяц

16,4 млн.

защищенных VM
в **180** странах

57%

из списка **Global
2000**

74%

из списка **Fortune
500**

защищены решениями Veeam

+73

#1 по удовлетворенности заказчиков!
Индекс потребительской лояльности (Net
Promoter Score, NPS)

В 3 раза выше среднего по отрасли

Удовлетворенность заказчиков



Возможности решений



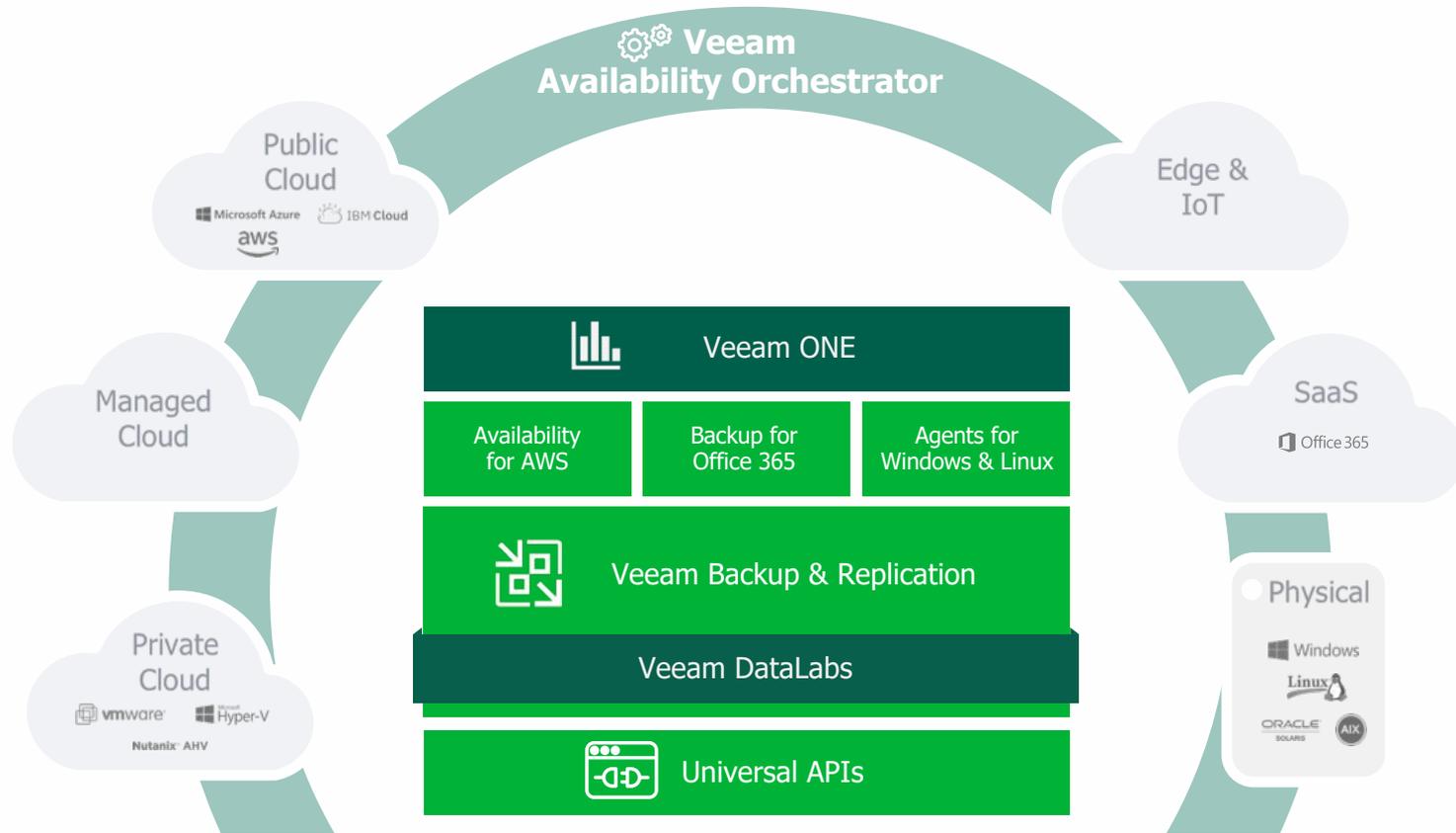
Вероятность обновления



Эффективность продаж



Veeam Hyper-Availability Platform



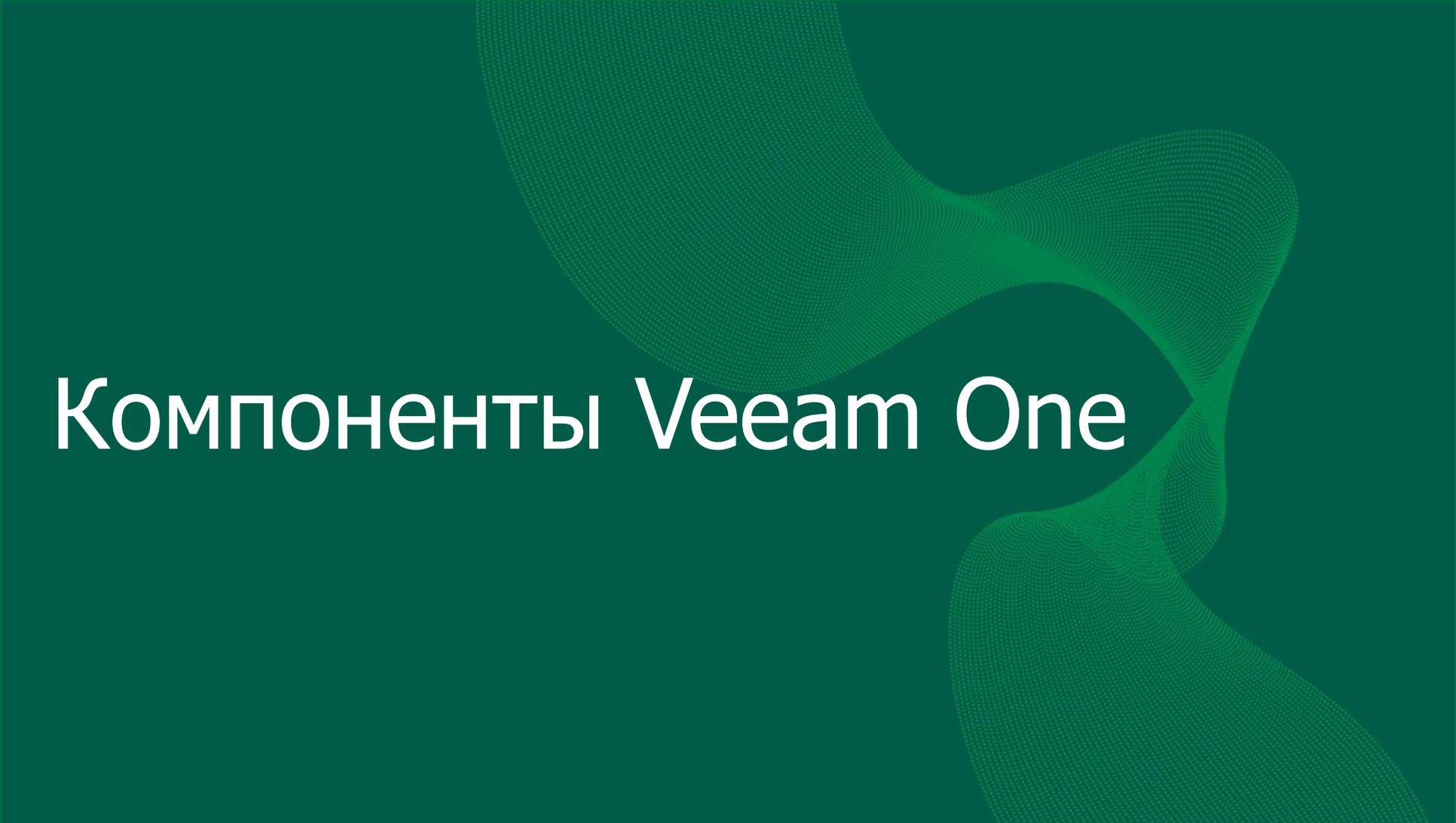
Поддерживаемые платформы

Veeam One обеспечивает мониторинг виртуальной среды и инфраструктуры резервного копирования Veeam

- VMWare vSphere
- VMWare vCloud Director
- Microsoft Hyper-V
- Veeam Backup & Replication
- Veeam Agents



Компоненты Veeam One



Обзор виртуальной среды и инфраструктуры РК

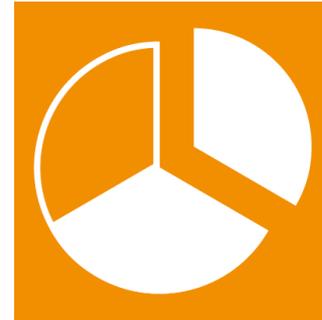
Мониторинг, отчетность, планирование



VeeamONE
(Monitor)



VeeamONE
Business View



VeeamONE
Reporter

Veeam One Monitor

The background is a solid dark green color. On the right side, there is a large, abstract graphic element composed of many small, light green dots arranged in a pattern that forms a shape resembling a stylized 'V' or a large, flowing letter. The dots are more densely packed in some areas and more sparse in others, creating a gradient effect.

Управление событиями

Veeam One Monitor мониторинг событий в реальном времени

- Severity: Error, Warning, Resolved, Information
- Встроенная KB по известным ошибкам
- Suppression
 - На время выполнения действия
 - На определенный промежуток времени
 - На период обслуживания

The screenshot displays the Veeam ONE Monitor interface. The top navigation bar includes options like Back, Refresh, Add Server, Notifications, Reports, Monitoring, Options, Help, and Full Screen. The left sidebar shows a tree view for Alarm Management, with categories like All Alarms, VMware, Hyper-V, Backup & Replication, Enterprise Manager, Backup Server, Repository, Proxy, WAN Accelerator, Tape Server, Cloud Repository, Cloud Gateway, and Internal. The main area shows a table of alarms with columns for Type, Name, Source, State, Assignment, and Resolve Action. The table lists several alarms, including 'Backup repository free space', 'Backup repository connection failure', 'Backup proxy connection failure', 'Veeam Backup & Replication Server connect...', 'Veeam Backup Enterprise Manager connect...', 'Backup job state', 'Replication job state', 'SureBackup job state', 'License expiration date', and 'Support expiration date'. The 'Alarm details' pane on the right provides information about a specific alarm, including its knowledge, cause, and resolution.

Type	Name	Source	State	Assignment	Resolve Action
Warning	Backup repository free space	Prefdefined	Enabled	Backup Infrastructure	Automatic
Warning	Backup repository connection failure	Prefdefined	Enabled	Backup Infrastructure	Automatic
Warning	Backup proxy connection failure	Prefdefined	Enabled	Backup Infrastructure	Automatic
Warning	Veeam Backup & Replication Server connect...	Prefdefined	Enabled	Backup Infrastructure	Automatic
Warning	Veeam Backup Enterprise Manager connect...	Prefdefined	Enabled	Backup Infrastructure	Automatic
Warning	Backup job state	Prefdefined	Enabled	Backup Infrastructure	Manual
Warning	Replication job state	Prefdefined	Enabled	Backup Infrastructure	Manual
Warning	SureBackup job state	Prefdefined	Enabled	Backup Infrastructure	Manual
Warning	License expiration date	Prefdefined	Enabled	Backup Infrastructure	Automatic
Warning	Support expiration date	Prefdefined	Enabled	Backup Infrastructure	Automatic

Alarm details

Knowledge
Veeam Backup & Replication server lost connection to the backup repository

Cause
Veeam Backup & Replication may lose connection to the backup repository due to one of the following reasons: Failure of the network cable, disconnect of the cable, failure of the physical network card, backup repository services failure, firewall issues, backup repository power state

Resolution
Verify that backup repository is accessible by both backup proxy and Veeam Backup & Replication servers. Check firewall settings on the proxy server (if applicable) and make sure Veeam backup repository services are up and running

Правила генерации сообщений

Condition-Based

- Изменение состояния

Event-Based

- На основе другого сообщения

Linked Rules

- Составные правила используют операторы AND, OR

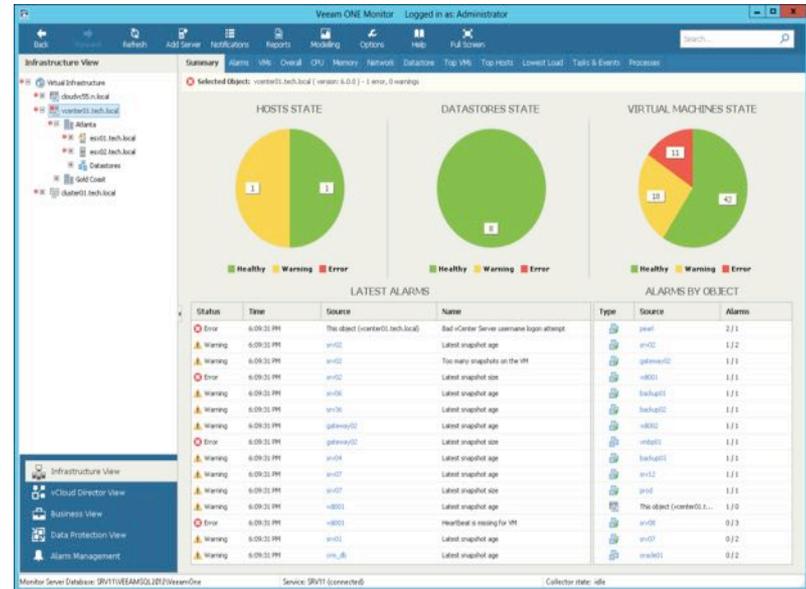
The screenshot shows the 'Alarm settings' window with the 'Rules' tab selected. It displays two rules:

- Rule 1:** Rule type: VM snapshot age, Enabled, VM snapshot age: 72 hour, Severity: Warning.
- Rule 2:** Rule type: VM snapshots count, Enabled, Warning, snapshots number: 3, Error, snapshots number: 5.

The rules are linked with an AND operator. The interface includes navigation buttons (Add, Move up, Move down, Link, Unlink, Remove) and a Save/Cancel button at the bottom.

Автоматические действия

- Отправка e-mail
- Отправка SNMP Traps
- Запуск произвольного скрипта
- Выборочное или одновременное выполнение перечисленных действий за счет политики уведомлений



Работа с гостевой ОС

Для Windows

- Перезапуск службы
- Остановка службы

Для Linux

- Остановка демона

Veeam ONE Monitor - Logged in as: Administrator

Selected Object: shell - Errors, 3 warnings

Image Name	% Process...	% User Time	Mem Usage	Thread Co...	Elapsed Time	ID Process	Creating P...
HMMEng	0%	0%	16900 K	25	550:22:46	800	588
svchost	0%	0%	44304 K	30	550:22:43	956	588
javaw	0%	0%	44368 K	26	550:08:29	1968	428
LogonUI	0%	0%	24768 K	11	550:22:45	832	524
explorer	0%	0%	19916 K	33	550:08:46	428	3164
vmtoolsd	0%	0%	17128 K	14	550:22:05	2280	588
svchost	0%	0%	15104 K	45	550:22:29	1500	588
WinMv-SE	0%	0%	13900 K	13	550:22:07	2180	704
vmtoolsd	0%	0%	13536 K	9	550:22:18	1920	588
svchost	0%	0%	13430 K	30	550:22:01	2576	588
mscexec	0%	0%	11208 K	7	550:08:26	2720	428
lsass	0%	0%	11052 K	9	550:13:12	956	496
clbcatq	0%	0%	10480 K	11	550:22:01	2644	588
VeeamAgent	0%	0%	10252 K	7	28:19:29	784	3380
VeeamAgent	0%	0%	10020 K	7	26:35:09	400	3380
svchost	0%	0%	9472 K	10	550:20:43	1140	588
VeeamDeploymentSvc	0%	0%	8936 K	5	387:55:22	4024	588
services	0%	0%	8732 K	7	550:21:19	588	496
svchost	0%	0%	8284 K	18	550:20:49	232	588
svchost	0%	0%	7928 K	14	550:20:50	924	588
msdtc	0%	0%	7416 K	10	550:20:05	2892	588
VeeamTapeSvc	0%	0%	6524 K	3	336:23:16	2196	588
vmtoolsd	0%	0%	6044 K	4	550:06:32	1468	428
csrss	0%	0%	5072 K	9	550:06:58	4052	3304
VeeamTransportSvc	0%	0%	4944 K	8	336:22:18	3380	588
svchost	0%	0%	4940 K	15	550:20:23	1980	588

Monitor Server Database: SRV11\VEEAMSQL2012\VeeamOne Service: SRV11 (connected) Collector state: idle

Доступ к консоли VM из интерфейса Veeam One

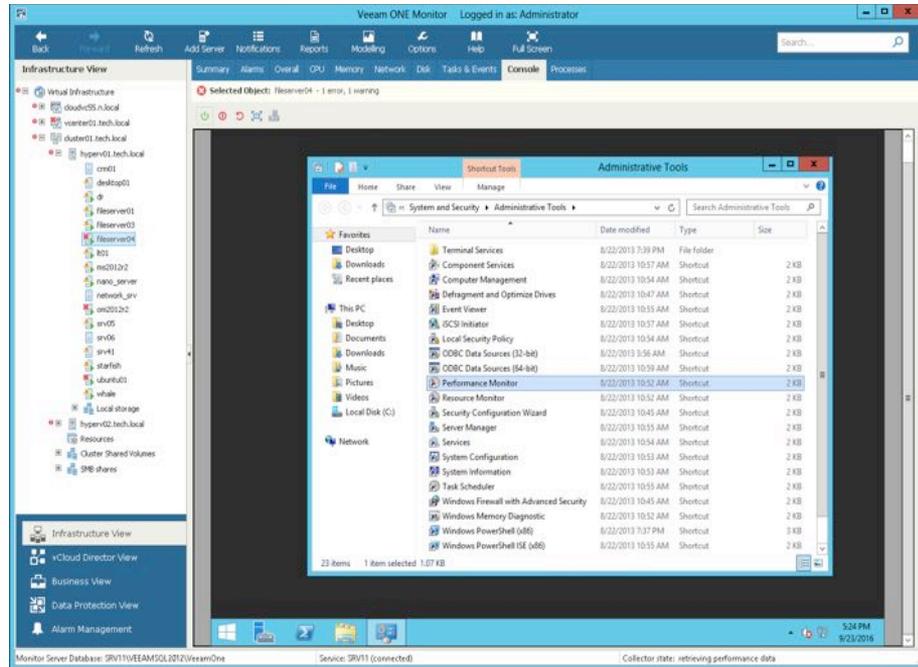
Для Vmware vSphere

VMware Remote Console (VMRC)

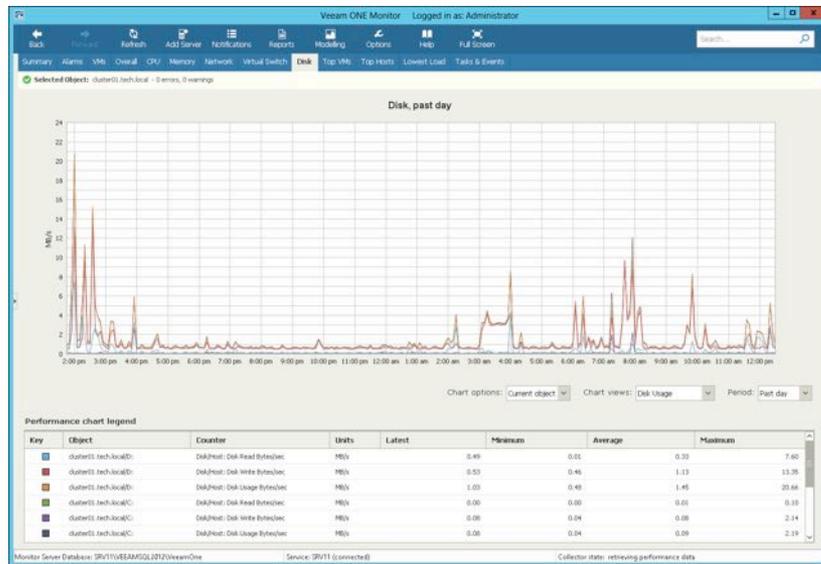
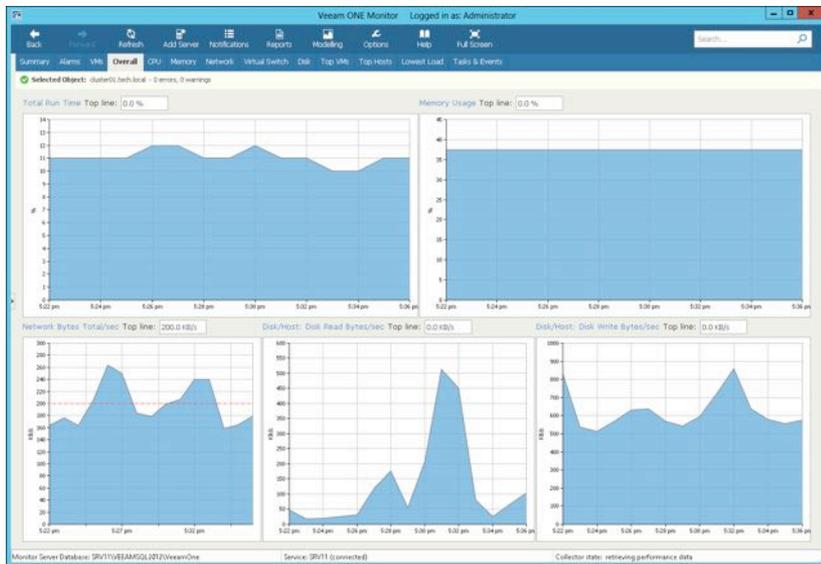
- Не требует установки доп. ПО
- Работает с Windows и Linux

Для Microsoft Hyper-V

- Для работы с Linux дополнительно нужно загрузить putty.exe
- Работает с Windows и Linux

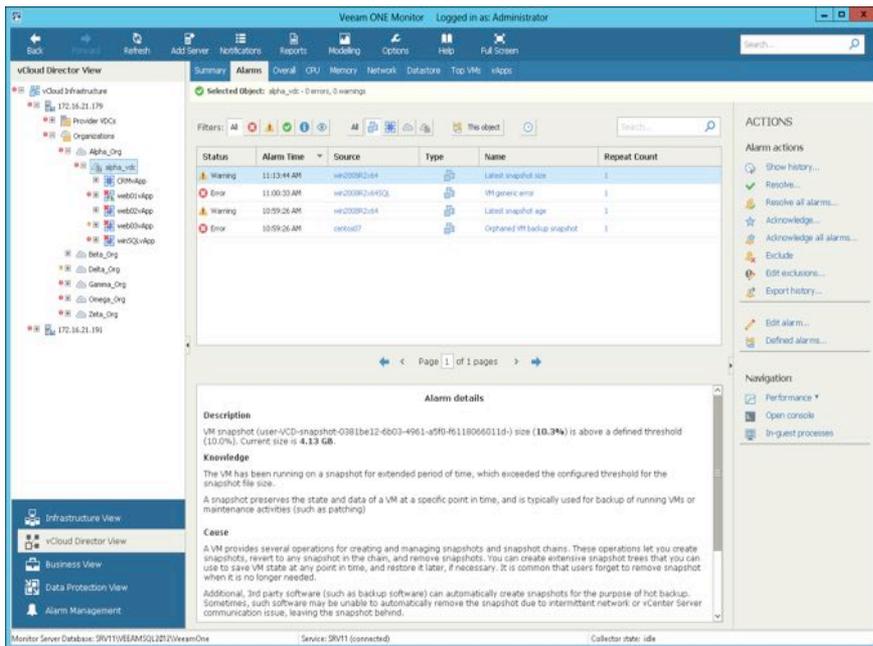


Performance метрики для vSphere и Hyper-V



Состояние ресурсов vCloud Director

- Provider vDCs
- Список сконфигурированных провайдеров
- Ресурсы Datastore
- Ресурсы Хостов
- vApps

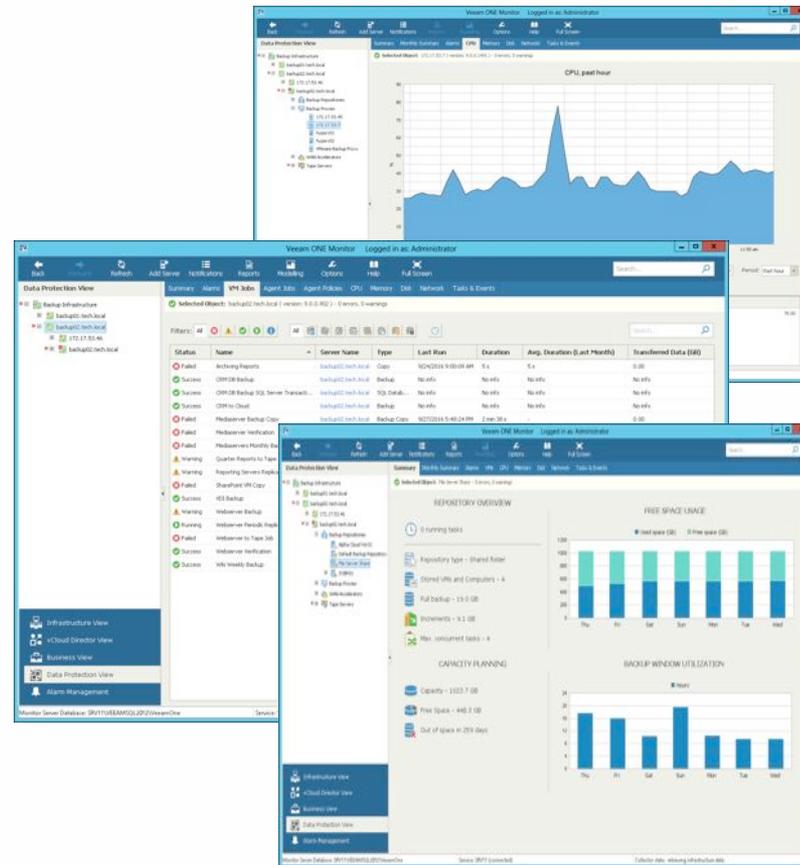


The screenshot displays the Veeam ONE Monitor interface. The left sidebar shows the 'vCloud Director View' with a tree structure of resources including 'Cloud Infrastructure', 'Provider VDCs', and various organizations like 'Alpha_Org', 'Beta_Org', etc. The main panel is titled 'vCloud Director View' and shows a table of alarms. The selected object is 'alpha_vdc - 0 errors, 0 warnings'. The table lists several alarms, including a warning about 'Latest snapshot size' and an error about 'VM generic error'. Below the table, the 'Alarm details' section provides a description: 'VM snapshot (user-VCD-snapshot-0381be12-6b03-4961-a9f0-46118066011d-) size (10.3%) is above a defined threshold (10.0%). Current size is 4.13 GB.' It also includes a 'Knowledge' section explaining that a snapshot has been running for an extended period, exceeding the configured threshold. The bottom status bar shows 'Monitor Server Database: SRV11\VEEAMSQL212\VeeamOne', 'Service: SRV11 (connected)', and 'Collector state: idle'.

Status	Alarm Time	Source	Type	Name	Repeat Count
Warning	11:13:44 AM	ve-200902-044		Latest snapshot size	1
Error	11:00:33 AM	ve-200902-04503		VM generic error	1
Warning	10:59:26 AM	ve-200902-044		Latest snapshot age	1
Error	10:59:26 AM	centos07		Orphaned VM backup snapshot	1

Инфраструктура Veeam Backup & Replication

- Последнее состояние заданий РК и репликации
- Состояние компонентов инфраструктуры VBR
- Dashboards с общей информацией о выбранном компоненте
- Графики производительности выбранного компонента инфраструктуры РК





Veeam Business View

Категоризация окружения

Использование категорий для объектов мониторинга.

Позволяет делать выборку по объектам, интересным с точки зрения бизнеса.

The screenshot displays the Veeam ONE Business View interface. The top section shows a 'Business View' dashboard with three circular gauges: CPU Usage (0%), Memory Usage (5%), and Guest Disk Usage (No data available). Below this, a 'CONFIGURATION' window is open, showing a table of 'CATEGORIES' and an 'Add new category' dialog box.

Category	Tag Category	Object Type	Group Type
Business	Business	Virtual Machine	Dynamic
Calculation	Calculation	Backup Agent	Dynamic
Last Backup Date	Last Backup Date	Virtual Machine	Dynamic
Sample Business View Category	Sample Business View Category	Virtual Machine	Dynamic
SLA	SLA	AD	Static
Storage Type	Storage Type	Storage	Dynamic
VM Location	VM Location	Virtual Machine	Dynamic
VM Network	VM Network	Virtual Machine	Dynamic
VM Network	VM Network	Virtual Machine	Dynamic
VM with Snap	VM with Snap	Virtual Machine	Dynamic

Add new category
Add new category for your objects. Each category must have at least one group.

Friendly name:

Tag categories to use:

Group type: Static Dynamic

Choose object type:

Not set groups on charts:

OK Cancel

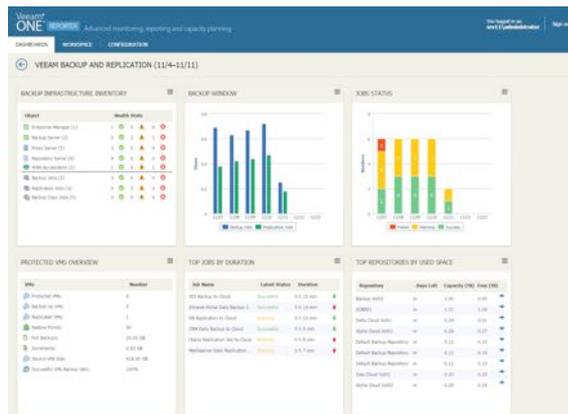
Veeam Reporter

The background is a solid dark green color. Overlaid on this is a large, abstract, wavy shape that resembles a stylized letter 'R' or a similar organic form. This shape is filled with a fine, light green dotted pattern, creating a textured effect. The dots are more densely packed in some areas and more sparse in others, following the contours of the shape.

Veeam Reporter

Основные элементы

- Dashboards
- Workspace
 - Отчеты
 - Deployment Projects

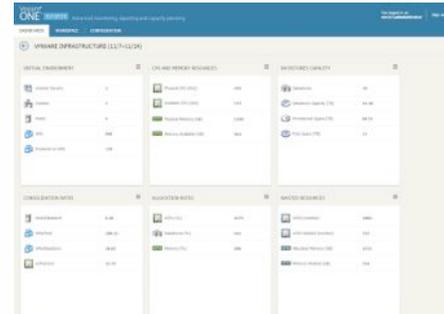


VEEAM VM Configuration Assessment



Оценка инфраструктуры VMware

- Dashboard VMware Infrastructure
- Отчеты
 - Datastore Performance Assessment
 - VM Change Rate Estimation
 - VM Configuration Assessment

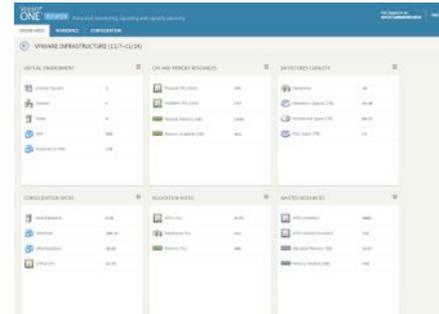


Details

Scope	VM	12:00 AM 2:59 AM	3:00 AM 5:59 AM	6:00 AM 8:59 AM	9:00 AM 11:59 AM	12:00 PM 2:59 PM	3:00 PM 5:59 PM	6:00 PM 8:59 PM	9:00 PM 12:00 AM	Total
ecenter01.local	22	7.45 GB	5.73 GB	10.27 GB	9.44 GB	6.81 GB	6.72 GB	4.97 GB	6.37 GB	57.75 GB
	data1	< 1 GB	0.99 GB	1.03 GB	1.66 GB	< 1 GB	1.29 GB	< 1 GB	1.31 GB	8.21 GB
	vmcenter01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	6.34 GB
	Backup01	< 1 GB	< 1 GB	< 1 GB	1.14 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	5.75 GB
	sv002	1.62 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.93 GB
	Backup03	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.77 GB
	Backup04	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.58 GB
	sv03	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.05 GB
	sv08	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.89 GB
	sv02	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.62 GB
	SPBackup05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.45 GB
	sv03	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.24 GB
	TamaraBackup05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.18 GB
	TamaraBackup04	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.80 GB
	BackupServer	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.60 GB
	admcenter02	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.56 GB
	sv08	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.37 GB
	sv01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.04 GB
	sv05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.02 GB
	SPBackup05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB
	CloudBackup05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB
	Backup05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB
	sv02	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB
Total		7.45 GB	5.73 GB	10.27 GB	9.44 GB	6.81 GB	6.72 GB	4.97 GB	6.37 GB	57.75 GB

Оценка инфраструктуры Hyper-V

- Dashboard Hyper-V Infrastructure
- Отчеты
 - Performance Assessment
 - VM Change Rate Estimation
 - Configuration Assessment



Details

Scope	VM	12:00 AM 2:59 AM	3:00 AM 5:59 AM	6:00 AM 8:59 AM	9:00 AM 11:59 AM	12:00 PM 2:59 PM	3:00 PM 5:59 PM	6:00 PM 8:59 PM	9:00 PM 12:00 AM	Total
vcenter01.local	total	7.45 GB	5.73 GB	10.27 GB	9.44 GB	6.81 GB	6.72 GB	4.97 GB	6.37 GB	57.75 GB
	vmtoolsd01	< 1 GB	0.99 GB	1.03 GB	1.66 GB	< 1 GB	1.29 GB	< 1 GB	1.31 GB	8.21 GB
	backua01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	6.34 GB
	backua02	< 1 GB	< 1 GB	< 1 GB	1.14 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	5.75 GB
	vs001	1.62 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.93 GB
	backua03	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.77 GB
	backua04	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.58 GB
	vs03	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	3.05 GB
	vs06	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.89 GB
	vs02	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.62 GB
	OpenStack01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.45 GB
	vs05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.24 GB
	TenantAccess01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	2.18 GB
	TenantAccess02	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.80 GB
	BackupServer	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.60 GB
	pattern01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.56 GB
	vs08	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.37 GB
	vs01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.04 GB
	vs09	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	1.02 GB
	SPSAdmin01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB
	CloudHost01	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB
	libra05	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB
vs02	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	< 1 GB	
Total:		7.45 GB	5.73 GB	10.27 GB	9.44 GB	6.81 GB	6.72 GB	4.97 GB	6.37 GB	57.75 GB

Infrastructure Chargeback

- Host Configuration Chargeback
- Host Resource Usage Chargeback
- VM Configuration Chargeback
- VM Performance Chargeback

VMware

CPU							
Cluster	Host	CPUs cost, USD	VMs	Physical processors		Virtual processors	
				# of cores	Core cost, USD	# of vCPUs	vCPU cost, USD
☐ Standalone hosts							
	esx01.tech.local	3,600.00	43	8.00	490.00	84.00	42.86
	esx02.tech.local	4,200.00	35	12.00	350.00	72.00	56.33

Memory							
Cluster	Host	Memory cost, USD	VMs	Physical memory		Virtual memory	
				Capacity, GB	GB cost, USD	# of vRAM, GB	GB cost, USD
☐ Standalone hosts							
	esx01.tech.local	2,400.00	43	63.94	37.54	115.80	20.73
	esx02.tech.local	2,800.00	35	127.97	21.88	134.00	20.90

Datastores							
Datastore owner	Datastore name	Datastore cost, USD	VMs	Physical storage		Virtual storage	
				Capacity, TB	TB cost, USD	Provisioned, TB	vTB cost, USD
☐ esx01.tech.local							
		4,500.00	46	3.63	3,723.03	6.05	2,356.14
	esx01-ds1	1,500.00	12	1.23	1,222.93	1.46	1,029.21
	esx01-ds2	1,500.00	7	1.20	1,250.05	2.58	582.08
	esx01-ds3	1,500.00	27	1.20	1,250.05	2.01	744.85
☐ esx02.tech.local							
		1,500.00	36	4.54	330.50	4.53	331.29
	esx02-ds1	1,500.00	36	4.54	330.50	4.53	331.29

Capacity Planning VMware

- Capacity Planning
- Host Failure Modelling
- How Many More VMs Can Be Provisioned
- Over-provisioned Datastores

VEEAM

Capacity Planning

Description

This report predicts when resource utilization for selected object(s) in the infrastructure will reach the configured threshold of total capacity.

Report Parameters

Scope: \\Virtual Infrastructure
Analyze performance data for: Past 6 Months
Make planning for: Next 6 months
CPU utilization: 80.00 %
Memory utilization: 80.00 %
Datastore space utilization: 90.00 %
Datastore read/write rate: 50 MBps
Datastores: All Datastores
Business hours: From 12:00 AM To 11:00 PM

Summary

Virtual Infrastructure	Days Remaining	Resources Required
Number of standalone hosts: 2	CPU: 2	CPU: 1629.24 GHz
Number of hosts: 2	Memory: 0	Memory: 3524.16 GB
Number of datastores: 4	Datastore space utilization: ∞	Datastore capacity: 0.00 TB
Number of VMs: 84	Datastore read rate: 1	
Number of powered on VMs: 35	Datastore write rate: 1	

Top 5 Utilized Clusters and Standalone Hosts			
Object Name	Bottleneck	Average Usage	Days Remaining
esx02.tech.local	CPU usage	16.36 %	2
esx01.tech.local	Memory usage	86.44 %	0

Capacity Planning Hyper-V

- Capacity Planning
- Host Failure Modelling
- Over-provisioned Datastores

VEEAM

Capacity Planning

Description

This report predicts when resource utilization for selected object(s) in the infrastructure will reach the configured threshold of total capacity.

Report Parameters

Scope: \\Virtual Infrastructure
Analyze performance data for: Past 6 Months
Make planning for: Next 6 months
CPU utilization: 80.00 %
Memory utilization: 80.00 %
Datastore space utilization: 90.00 %
Datastore read/write rate: 50 MBps
Datastores: All Datastores
Business hours: From 12:00 AM To 11:00 PM

Summary

<u>Virtual Infrastructure</u>		<u>Days Remaining</u>		<u>Resources Required</u>	
Number of standalone hosts:	0	CPU:	∞	CPU:	0.00 GHz
Number of hosts:	2	Memory:	20	Memory:	819.50 GB
Number of datastores:	10	Datastore space utilization:	∞	Datastore capacity:	0.00 TB
Number of VMs:	42	Datastore read rate:	1		
Number of powered on VMs:	42	Datastore write rate:	16		

Top 5 Utilized Clusters and Standalone Hosts			
Object Name	Bottleneck	Average Usage	Days Remaining
cluster01.tech.local	Read rate	1.29 MBps	1

Capacity Planning Veeam Backup

- Capacity Planning for Backup Repositories
- Veeam Backup Files Growth

VEEAM

Capacity Planning for Backup Repositories

Description

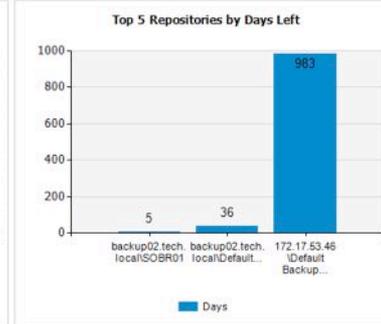
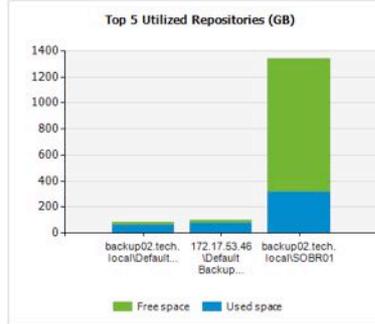
This report shows the dynamics of backup repository free space usage and identifies the date when the repository will run out of free space.

Report Parameters

Scope:	Backup Infrastructure
Space utilization limit:	90.0 %
Ensure there is enough capacity for selected number of days:	30 day(s)

Summary

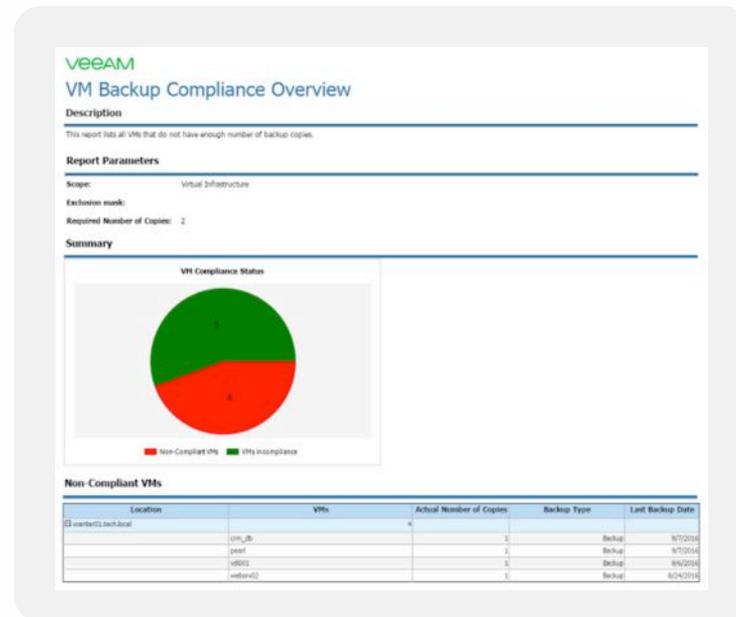
Backup Infrastructure:	Physical Resources:	Capacity Planning:
Number of repositories: 11	Total capacity: 1.5 TB	Min days left: 5
Number of jobs: 22	Total free space: 1.0 TB	Space required: 3.8 TB
Stored VMs and Computers: 30	Utilization ratio: 29.40 %	



Compliance Reporting

Соответствие требованиям и соблюдение законодательства

- Отчеты о количестве и расположении резервных копий
- Отчет о местоположении данных



Deployment Project

Моделирование эффекта от:

- Добавления или удаления хостов в кластере
- Добавления или удаления VM

Выбор базовой модели:

- Существующий хост или VM
- Явно определенная конфигурация хоста или VM

Veeam

Deployment Scenarios Modelling

Description

This report helps you to model different VM deployment scenarios and estimate resource usage after adding or removing physical resources.

Report Parameters

Project Name: New VDI in Atlanta

Modelling Result: **Passed with warnings**

Scope: esx02.tech.local

Datstores: esx02-ds1

Deployment Date: 8/31/2016

CPU Usage Threshold: 80.00%

vCPU Per Core: 4

Memory Usage Threshold: 90.00%

Storage Space Usage Threshold: 90.00%

Project Details

Action	Object Type	Name	Number	CPU (GHz)	vCPU/Core Count	Memory Allocated/Used (GB)	Storage (GB)	Disk Count
Add	Virtual Machine	VDI01	4	2.00	4	6.00 / 6.00	100.00	1

Total Scope Power					
Current			By Pending Projects (With Current Resource Usage)		
CPU (GHz)	Core Count	Memory (GB)	CPU (GHz)	Core Count	Memory (GB)
25.19	12	127.97	25.19	12	127.97

Veeam

Modelling results for Compute resources

Metric	Average		In Peak		Estimate For Next Six Months	
	Usage	Required	Usage	Required	Usage	Required
CPU (Dns)	54.26% (13.67)	-	54.26% (13.67)	-	54.26% (13.67)	-
vCPU	175.00% (36)	36				
Memory (GB)	82.01% (104.94)	-	82.01% (104.94)	-	82.01% (104.94)	-

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Спасибо за внимание!

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