

The Veeam logo consists of the word "veeam" in a white, lowercase, sans-serif font, positioned inside a green rounded rectangular box. The background of the slide is a gradient from dark blue at the top to bright green at the bottom, with a network-like pattern of white lines and dots on the right side.

# Veeam Data Platform: Sessão Onboarding de Veeam ONE

# Agenda

1. Introdução
2. Arquitetura & Componentes Principais
3. Veeam ONE Client
4. Veeam ONE Web Client
5. Recursos Adicionais

# Introdução

Capacidades, Funcionalidades, Plataformas Suportadas e Licenciamento

# Veeam Data Platform

## Secure Foundation

## Cyber Resilience

## Enterprise Resilience

Zero Trust  
Data Resilience

AI  
Guidance

Detect + Identify  
Threats

Security and  
Observability

GenAI  
Insights

Recovery Orchestration  
and Compliance

Threat  
Assessment

Proteção de  
Dados e  
Recuperação  
Verificada

Assistência sob  
demanda

AI-powered  
Malware  
Detection

IoC  
Tools  
Scanning

Integrações  
de  
Segurança

Análise,  
Descoberta  
e Relatórios

Veeam  
Threat  
Center

Tendências  
e Suporte à  
Decisão

Recuperação e  
Validação  
Orquestradas

Documentação  
de Auditoria

Avaliação  
Proativa de  
Ameaças

Foundation



Advanced



Premium



Veeam Backup & Replication



Veeam ONE



Veeam Recovery Orchestrator



Coveware Recon Scanner



- Assinatura de resposta a incidentes Coveware com SLA de 15 minutos
- Garantia de Ransomware de até US\$ 5 milhões com o Gerente de Contas Técnicas Veeam
- Equipe SWAT 24/7/365 e Gerente de Conta de Suporte dedicado
- Onboarding, Design, Serviços de Implementação e Verificações Trimestrais de Avaliação de Segurança

# Plataformas Suportadas

Veeam ONE v13



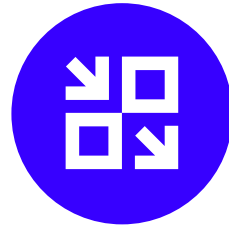
## Plataformas Virtuais

- VMware vSphere 7.x – 9.0
- VMware Cloud Director 10.4 – 10.6
- Microsoft Hyper-V 2016 – 2025
- Microsoft System Center VMM 2016 - 2025
- Azure Stack HCI

\* Versões gratuitas do VMware vSphere ESXi e Microsoft Windows Server Hyper-V também são suportadas pela Veeam.

# Plataformas Suportadas

Veeam ONE v13



## Veeam Backup & Replication

- Veeam Backup & Replication v13
- Veeam Backup & Replication v12



## Veeam Backup for Microsoft 365

- Veeam Backup for Microsoft 365 v8
- Veeam Backup for Microsoft 365 v7

# Licenciamento

Dois **Modelos** de licenciamento

## Socket

Modelo de licenciamento antigo (legado).

Veeam ONE pode ser licenciado pelo número de Socket de CPU em hosts VMware vSphere ou Microsoft Hyper-V. Uma licença é exigida para cada socket ocupado na placa-mãe, conforme reportado pela API do Hypervisor.

Monitorar o Veeam Backup para Microsoft 365 não consome nenhuma licença basta conectar.

## Instância (VUL)

Chamamos de Modelo de licenciamento à prova de futuro.

Veeam ONE pode ser licenciado pelo número de VMs monitoradas, computadores protegidos com Agentes Veeam e Instâncias em nuvem.

Com VUL Essentials, Advanced ou Premium, para cada VM protegida pelo Veeam Backup & Replication a mesma licença deve ser usada no Veeam ONE

# Licenciamento

Dois **Tipos** de licenciamento

## Perpetual

Licença permanente. O período de suporte e manutenção está incluído na licença e é especificado em meses ou anos.

Licença Perpétua inclui acordo de Produção ou Suporte Básico e Manutenção para o primeiro ano.

Prazo máximo pré-pago para Suporte e Manutenção para uma Licença Perpétua são três anos.

## Assinatura

Licença que expira ao final do período de assinatura.

Licença de Assinatura (*Subscription*) inclui um acordo de Suporte à Produção e Manutenção durante todo o período da licença.

O prazo da licença de assinatura normalmente varia de 1 a 3 anos a partir da data de emissão da licença.

O prazo máximo pré-pago para uma Licença de Assinatura é de 5 anos.

# Arquitetura & Componentes Principais

Visão geral dos Componentes, Design e Instalação

# Visão geral dos Componentes



# Arquitetura & Componentes Principais

## Veeam ONE Server

### Veeam ONE Server



- Componente central da solução Veeam ONE, responsável pela coleta, processamento e consolidação de dados de várias fontes
- Oferece funcionalidades essenciais para monitoramento, alerta e relatórios sobre sua infraestrutura virtual e de backup
- Integra-se perfeitamente com o Veeam Backup & Replication, permitindo o monitoramento e análises abrangentes em um único painel central

### Veeam Analytics Service



- Conecta o Veeam ONE aos servidores do Veeam Backup & Replication para coletar dados e enviar comandos de remediação
- Instala automaticamente ao adicionar servidores, mas pode exigir instalação manual após atualizações em alguns cenários.
- Possibilita o Diagnóstico Inteligente para detecção de problemas mais rápido e alertas proativos

# Arquitetura & Componentes Principais

## Veeam ONE Databases

### Veeam ONE Monitoring Database



- Armazena dados de desempenho e monitoramento coletados pelos componentes do Veeam ONE
- Roda ainda em Microsoft SQL Server, que pode ser instalado localmente ou em uma máquina remota
- Serve como banco de dados para painéis, alertas e relatórios

### Veeam ONE Reporting Database



- Armazenamentos de dados que reportam usados pelos componentes do Veeam ONE
- Roda já em PostgreSQL, que pode ser instalado localmente ou em uma máquina remota
- Usa tabelas temporárias que são automaticamente limpas após cada sessão ou timeout

# Arquitetura & Componentes Principais

## Veeam ONE UI

### Veeam ONE Client



- Veeam ONE Client é um aplicativo desktop-based que oferece uma interface de usuário rica para interagir e gerenciar seu ambiente Veeam ONE
- Oferece ferramentas abrangentes para análise detalhada, permitindo que os usuários mergulhem mais profundamente nos dados com dashboards, relatórios e alertas
- Permite monitorar infraestruturas virtuais e de backup em tempo real, fornecendo insights instantâneos e a capacidade de reagir rapidamente a qualquer problema

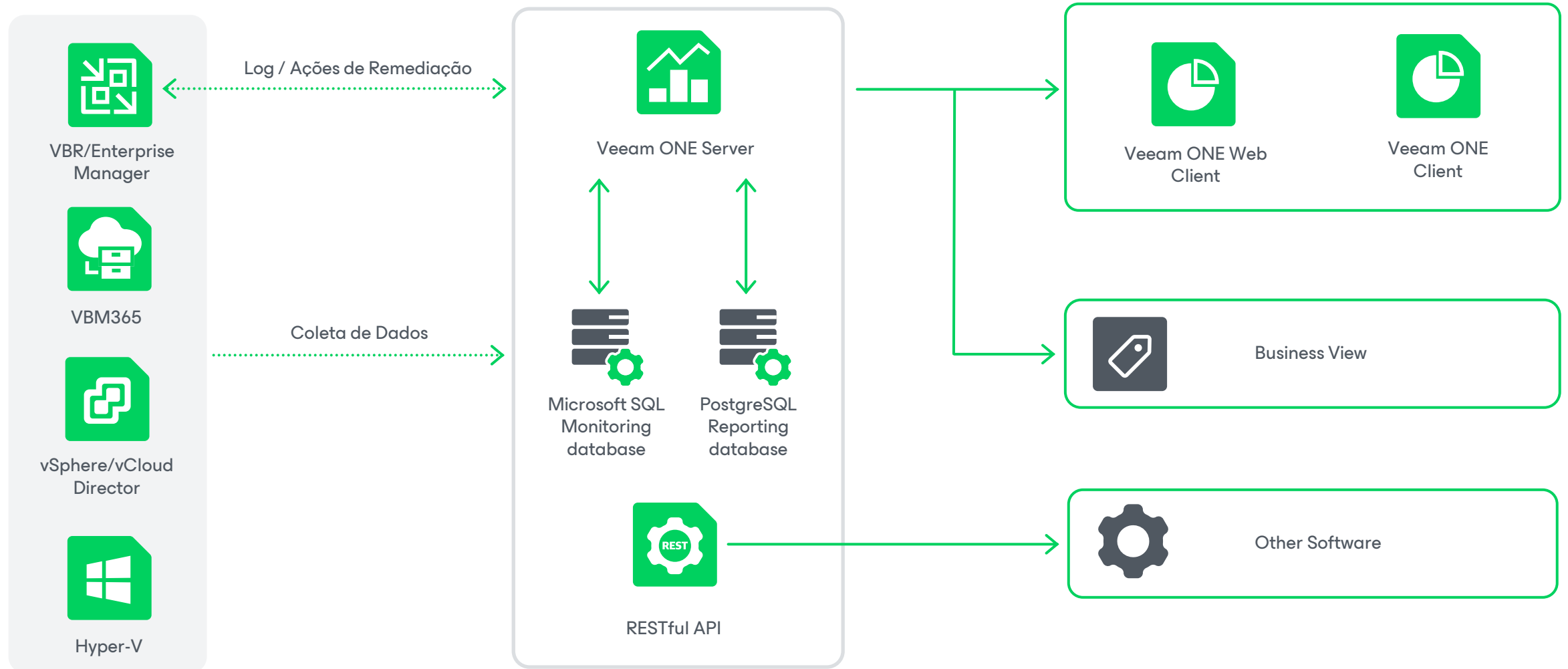
### Veeam ONE Web Client



- O Veeam ONE Web Client oferece uma interface baseada em navegador para acessar funcionalidades de monitoramento e relatórios
- Projetado com um layout intuitivo, um cliente web que facilita a navegação dos usuários por relatórios e métricas

# Visão Geral da Arquitetura

## Fluxo de coleta dos dados pelo Veeam ONE



# Instalação



# Arquitetura & Componentes Principais

## Instalação

Acesse e faça download da versão mais recente através do seu Portal: <https://my.veeam.com/my-products>.

The image displays two screenshots from the Veeam website. The left screenshot is a login page titled "Log In to Access Your Account". It features two main sections: "My Account" and "Veeam Data Cloud". The "My Account" section lists login options for Support Cases, License management, Product downloads, and Renew and add more licenses. The "Veeam Data Cloud" section lists login options for Veeam Data Cloud for Microsoft 365, Veeam Data Cloud for Entra ID, Veeam Data Cloud for Salesforce, and Veeam Data Cloud Vault and more. There are input fields for E-mail and Password, a "Keep me logged in" checkbox, and a "Reset My Password" link. A "LOG IN" button is present. Below the login fields, there are links for "Don't have an account? Sign Up" and "Log in or register with your social account" with icons for Google, Facebook, LinkedIn, and Microsoft. The right screenshot shows a product catalog page with a "New version" badge. It features three product cards: "Veeam Data Platform" (Version: 13, Details, Download (18.8 GB)), "Veeam Backup & Replication" (Version: 13, Details, Download (16.6 GB)), "Veeam ONE" (Version: 13, Details, Download (3.2 GB)), and "Veeam Recovery Orchestrator" (Version: 13, Details, Download (18.8 GB)).

**NEW RELEASE**

### Veeam Data Platform v13

Meet the most complete cyber-resilient solution yet

[EXPLORE NOW](#)

### Log In to Access Your Account

Access Veeam My Account or Veeam Data Cloud by selecting from the login options below:

#### My Account

Log in to access and manage the following:

- Support Cases (incl. Veeam Data Cloud)
- License management
- Product downloads
- Renew and add more licenses

E-mail:

Password:

Keep me logged in [Reset My Password](#)

[LOG IN](#)

Don't have an account? [Sign Up](#)

Log in or register with your social account

[G](#) [f](#) [in](#) [☰](#)

#### Veeam Data Cloud

Log in to access your backup service:

- Veeam Data Cloud for Microsoft 365
- Veeam Data Cloud for Entra ID
- Veeam Data Cloud for Salesforce
- Veeam Data Cloud Vault and more

Product:

Region:

[LOG IN](#)

You will be redirected to the app Login page

Need Support? Log in to My Account

**New version**

### Veeam Data Platform

Version: 13 [Details](#)

[Download \(18.8 GB\)](#)

#### Veeam Backup & Replication

Version: 13 [Details](#)

[Download \(16.6 GB\)](#)

#### Veeam ONE

Version: 13 [Details](#)

[Download \(3.2 GB\)](#)

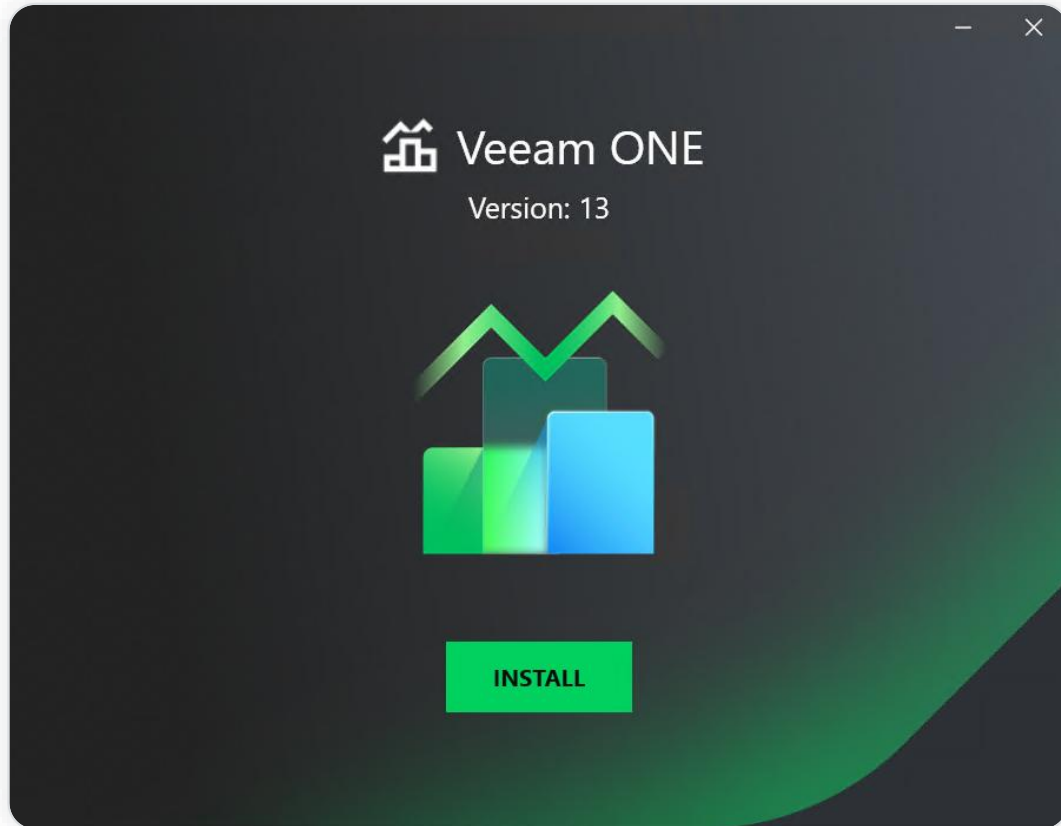
#### Veeam Recovery Orchestrator

Version: 13 [Details](#)

[Download \(18.8 GB\)](#)

# Arquitetura & Componentes Principais

## Instalação



# Arquitetura & Componentes Principais



## Instalação

Veeam ONE

### License

Provide license file for Veeam ONE.

Select license provisioning method:


 [Sign in with Veeam](#) |  [Browse to local license file](#)

License details:

Community edition, 10 instances, limited functionality & personal use only

Update license automatically (enables usage reporting)

Download and install new license automatically when you renew or expand your contract. This requires sending the license ID, the installation ID, and workload usage counters to Veeam servers periodically. Successful usage reporting doubles the number of workloads you can exceed your installed license by.


 Veeam EULA prohibits using Community Edition to provide any services to third parties. In particular, you may not install, configure or manage such backup servers at your client's environment as a consultant or an MSP.

Veeam ONE

### Service Account


Specify account for Veeam ONE services.

Username:

 [Choose...](#)

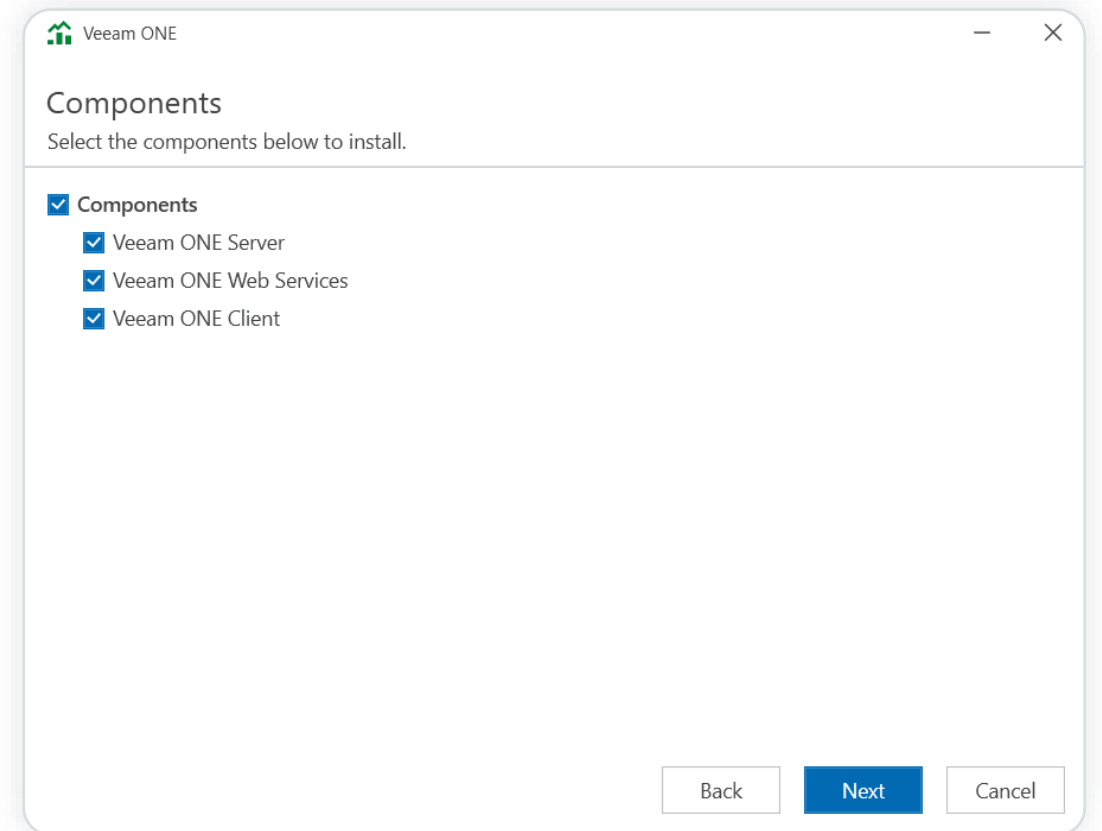
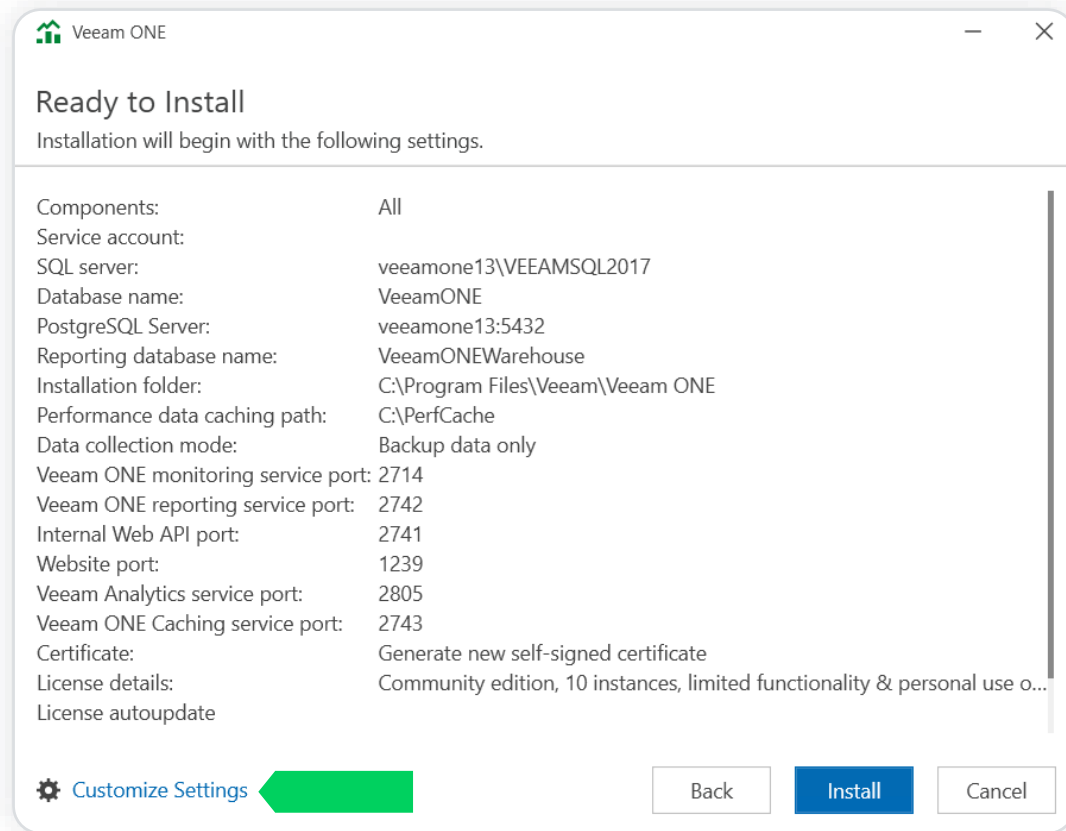
Type in the username in the DOMAIN\USERNAME format.  
The specified user account must have local administrator privileges on this server.

Password:



# Arquitetura & Componentes Principais

## Instalação



# Arquitetura & Componentes Principais

## Instalação

Veeam ONE

### Monitoring Database

Choose SQL Server Instance for Veeam ONE data.

Install new instance of SQL Server (localhost\VEEAMSQL2017)

Use existing instance of SQL Server (HOSTNAME\INSTANCE)

Instance:

Database name:

Connect to SQL using:

Windows authentication credentials of the Veeam ONE service account

SQL Server authentication with the following credentials:

Username:

Password:

Veeam ONE

### Reporting Database

Choose PostgreSQL server instance to be used as a reporting database

Install new instance

Use existing instance (HOSTNAME:PORT)

Instance:

Database name:

Connect to PostgreSQL server using:

Windows authentication credentials of service account

PostgreSQL username:

Native authentication using the following credentials:

Username:

Password:

# Arquitetura & Componentes Principais

## Instalação

Veeam ONE

### Data Locations

Specify paths for persistent and non-persistent data storage locations.

Installation path:

 [Browse...](#)

**i** Disk space: 101.85 GB available, 1.21 GB required

Veeam ONE Client performance cache path:

 [Browse...](#)

**i** Performance cache is space on disk to which Veeam ONE stores real-time performance data, as this data is collected. Performance data stored in cache is used for Veeam ONE Client dashboards and views.

[Back](#) [Next](#) [Cancel](#)

Veeam ONE

### Data Collection Mode

Select Veeam ONE data collection mode.

For optimal performance and stability, select [data collection mode](#) according to the size of the infrastructure.

- Veeam backup data only
- Veeam backup data and virtual infrastructure performance monitoring
- Veeam backup data and large-scale virtual infrastructure performance monitoring

[Back](#) [Next](#) [Cancel](#)

# Arquitetura & Componentes Principais


## Instalação

Veeam ONE

### Port Configuration

Specify port configuration and certificate to be used by Veeam ONE.

Veeam ONE monitoring service port:	<input type="text" value="2714"/>
Veeam ONE reporting service port:	<input type="text" value="2742"/>
Veeam ONE Web API port:	<input type="text" value="2741"/>
Website port:	<input type="text" value="1239"/>
Veeam Analytics service port:	<input type="text" value="2805"/>
Veeam ONE Caching service port:	<input type="text" value="2743"/>
Certificate:	<input type="text" value="Generate new self-signed certificate"/>

 View certificate

Veeam ONE

### Ready to Install

The wizard is ready to begin the installation.

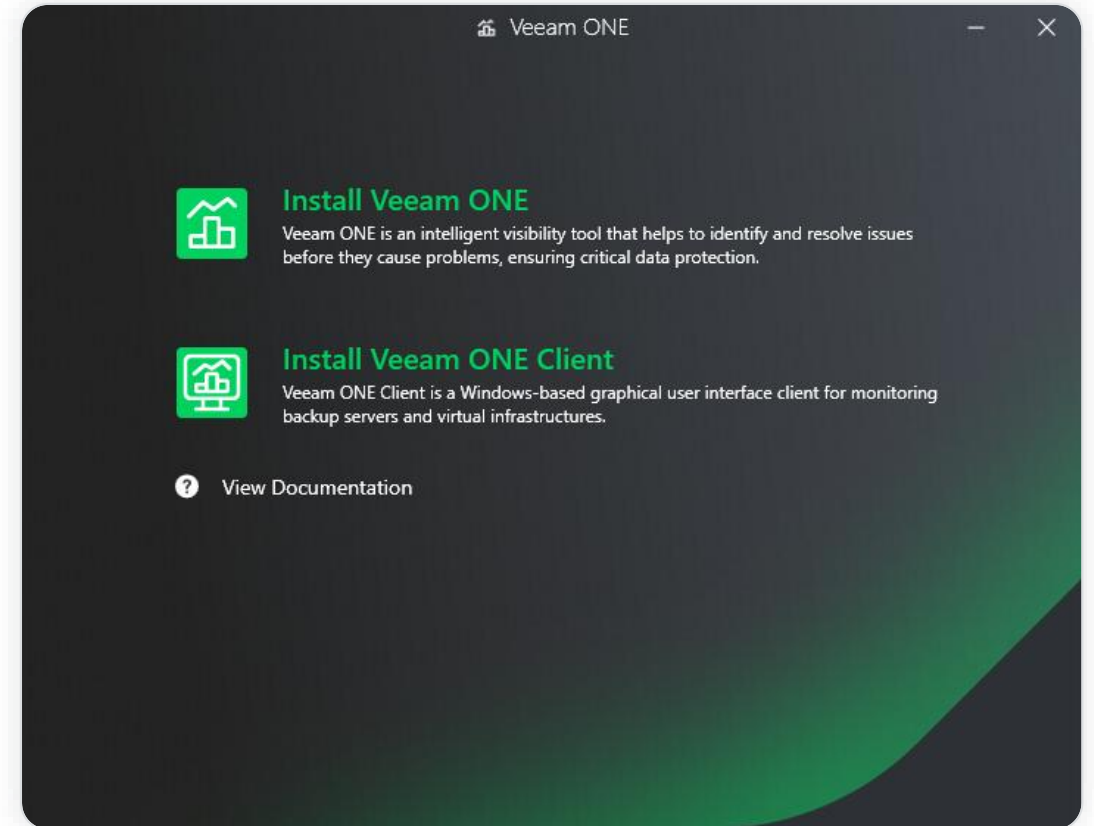
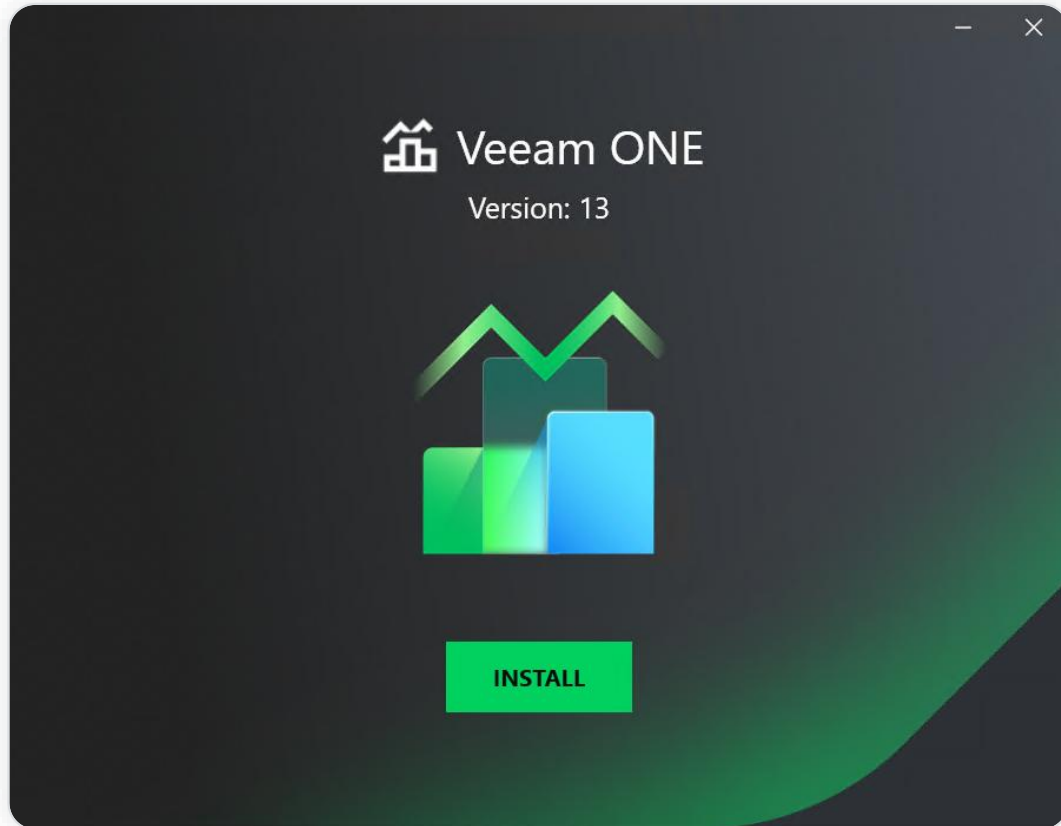
Components:	All
Service account:	
SQL server:	veeamone13\VEEAMSQL2017
Database name:	VeeamONE
PostgreSQL Server:	veeamone13:5432
Reporting database name:	VeeamONEWarehouse
Installation folder:	C:\Program Files\Veeam\Veeam ONE
Performance data caching path:	C:\PerfCache
Data collection mode:	Backup data and virtual infrastructure performance
Veeam ONE monitoring service port:	2714
Veeam ONE reporting service port:	2742
Internal Web API port:	2741
Website port:	1239
Veeam Analytics service port:	2805
Veeam ONE Caching service port:	2743
Certificate:	Generate new self-signed certificate
License details:	Community edition, 10 instances, limited functionality & personal us...
License autoupdate (enables usage reporting):	Enabled

# Veeam ONE Client



# Veeam ONE Client

Veeam ONE Client vem como parte da solução integrada Veeam ONE e pode ser instalado em outro host separadamente.



# Veeam ONE Client

1 Barra de Ferramentas e Menu Principal

2 Painel de Inventário

3 Painel de Informações

4 Painel de Ações

The screenshot displays the Veeam ONE Client interface with the following components:

- Top Bar:** Shows the application title "Veeam ONE Client (DEMOCENTER\elena.ladikova)" and a notification for a "Configuration issue (1 detected)".
- Left Panel (Virtual Infrastructure):** A tree view showing the hierarchy: Virtual Infrastructure > vc1.democenter.int > Democenter > demo-cluster > Demo VMs. A search bar is located at the top of this panel.
- Main Content Area:**
  - Summary:** Shows "Selected Object: Demo VMs - 0 errors, 0 warnings".
  - Alarms:** A table listing detected alarms. The table has columns for Status, Time, Source, Type, Name, Repeat Count, and Remediation. Two alarms are visible:

Status	Time	Source	Type	Na...	Repeat Count	Remediation
Error	2024-12-01 11:41:28	demo-winvm101		Guest se...	27	
Warning	2024-08-30 22:22:29	demo-winvm105		Potenti...	2	
  - Alarm Details:** Provides a description of the suspicious malware activity on vSphere VM "demo-winvm105", including detection source and additional details. It also includes sections for Knowledge, Cause, and Resolution.
- Right Panel (Actions):** A sidebar containing various actions categorized into Alarm Management, Remediation, Customization, and Navigation.

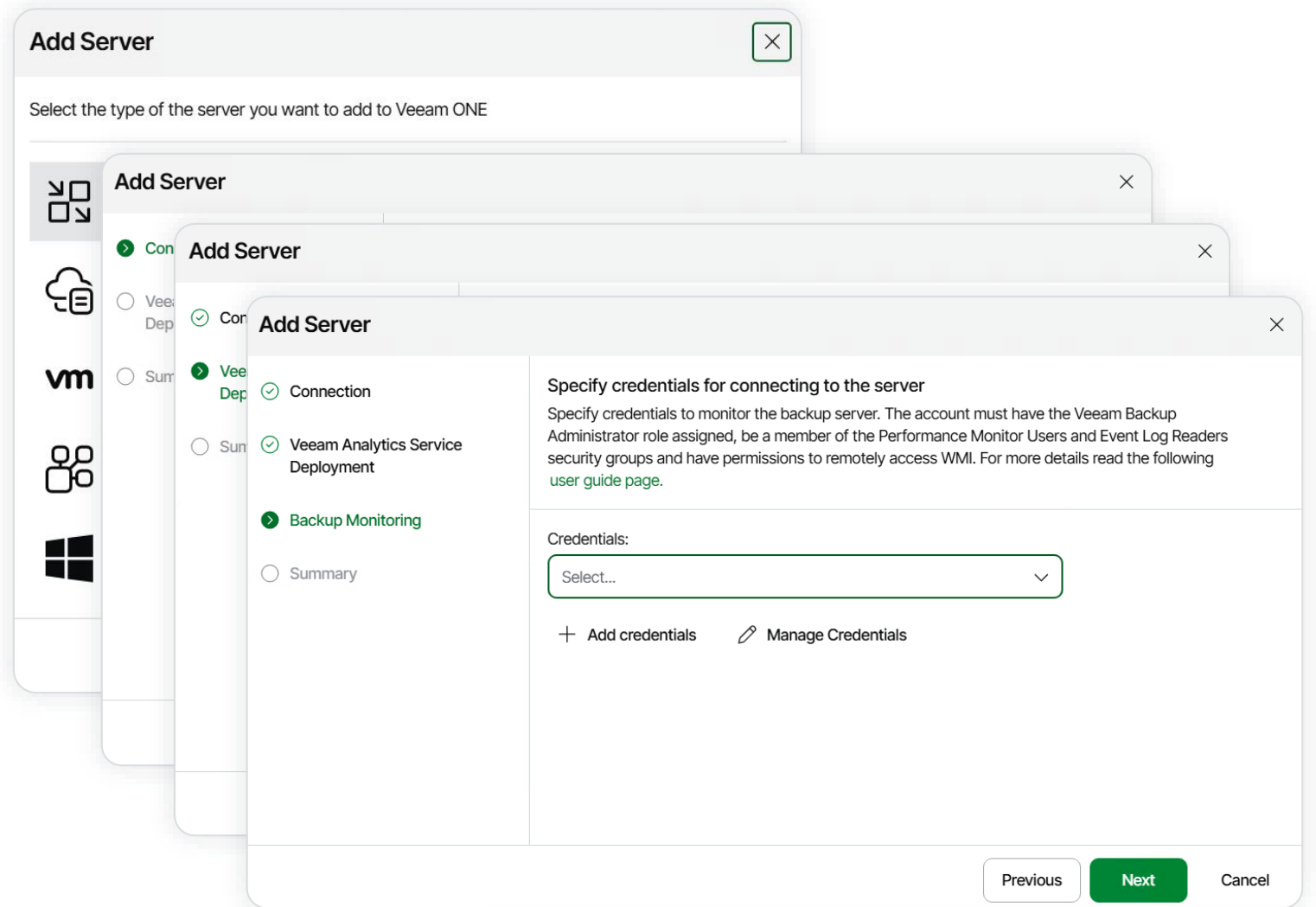
# Monitorando Veeam Backup & Replication



# Adicionando o Servidor Veeam Backup & Replication

Para coletar dados da sua infraestrutura de backup e proteção de dados, você deve configurar conexões para os servidores do Veeam Backup & Replication através do Veeam ONE Client. Você pode conectar os seguintes tipos de servidores:

- Use o Servidor **Veeam Backup & Replication** para monitorar servidores de backup independentes
- Veeam Backup **Enterprise Manager** para monitorar todos os servidores de Veeam Backup & Replications federados sob o **Enterprise Manager**



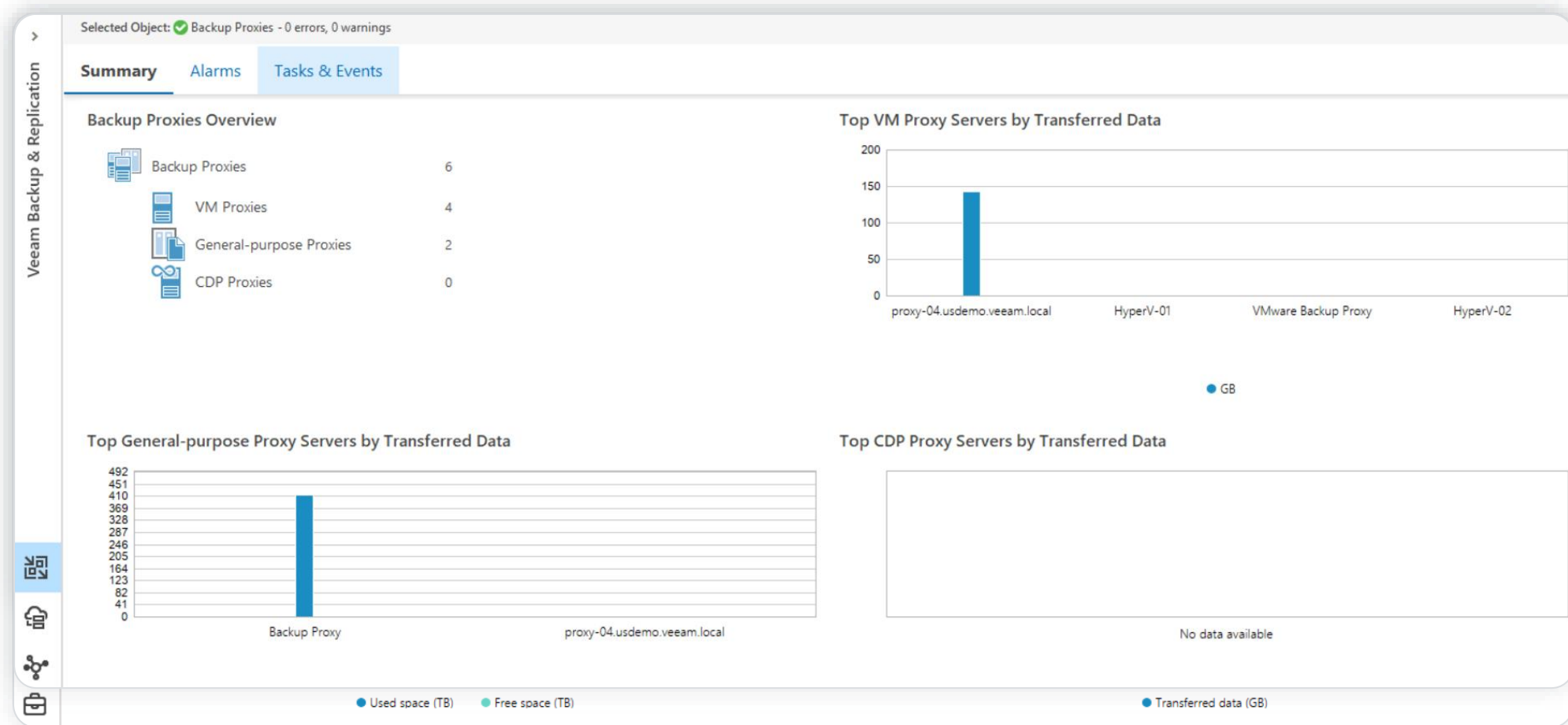
# Dashboards Veeam Backup & Replication

- **Dashboards** de Backup & Infraestrutura
- Resumo da Infraestrutura de **Backup**
- Resumo e Visão Geral de **Repositórios**
- Visão Geral dos **Proxies de Backup**
- Monitoramento dos **WAN Accelerators**
- Servidores de **Tape**
- Repositórios em **Cloud & Gateways**
- **Muito mais ...**

- Visão geral de todos os componentes e seus status.
- Detalhes sobre uso de armazenamento.
- Insights sobre tarefas de processamento de dados.
- Métricas de desempenho para otimização de WAN.
- Status e utilização de recursos.
- Cada painel oferece resumos de performance Semanais e Mensais.
- Customize seus Dashboards ...

# Dashboards Veeam Backup & Replication

Os painéis refletem o status mais recente dos Jobs de Backup, Replicação e SureBackup, e ajuda você a analisar o desempenho e a configuração dos componentes da infraestrutura de backup.



# Alarmes Veeam Backup & Replication

## Categorias Principais

**Problemas de conectividade:** Monitora a comunicação entre os componentes da infraestrutura de backup.

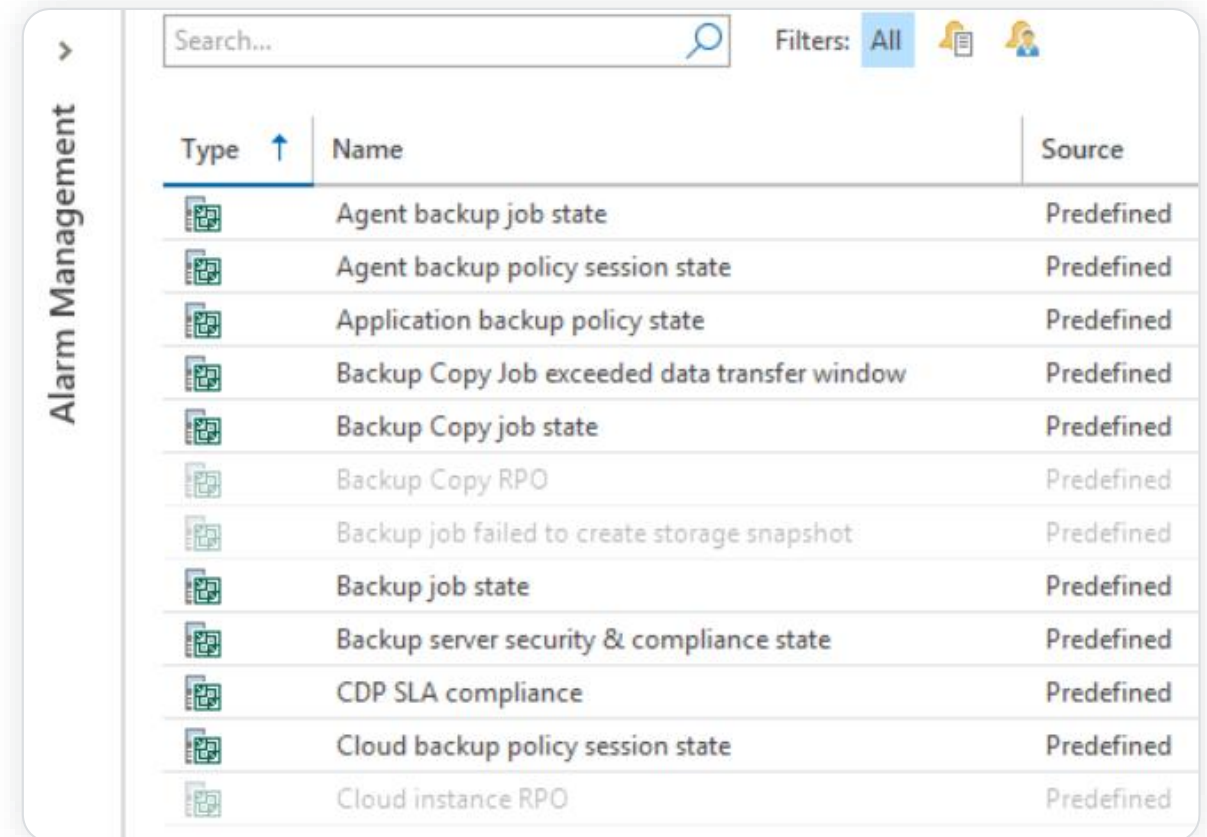
**Status do Software:** Rastreia o estado e identifica problemas com o software Veeam Backup & Replication.

**Situação do Job:** Alertas para Jobs que falharam ou com avisos/alertas.













**Capacidade de Armazenamento:** Aviso de espaço em disco abaixo do recomendado ou diminuindo rapidamente a capacidade de armazenamento (*Ajuda encontrar anomalias no ambiente*).

**Performance:** Detecta Jobs de longa duração que excedem a janela de backup.

**Licenciamento:** Monitora licenças dos produtos e contratos de suporte vigente.



The screenshot displays the 'Alarm Management' section of the Veeam Backup & Replication console. It features a search bar at the top, a filter dropdown set to 'All', and two notification icons. Below is a table listing various predefined alarm types.

Type	Name	Source
	Agent backup job state	Predefined
	Agent backup policy session state	Predefined
	Application backup policy state	Predefined
	Backup Copy Job exceeded data transfer window	Predefined
	Backup Copy job state	Predefined
	Backup Copy RPO	Predefined
	Backup job failed to create storage snapshot	Predefined
	Backup job state	Predefined
	Backup server security & compliance state	Predefined
	CDP SLA compliance	Predefined
	Cloud backup policy session state	Predefined
	Cloud instance RPO	Predefined

# Alarmes Veeam Backup & Replication

Alarmes para proteção de dados pré-definidos são configurados para alertar sobre eventos ou problemas que possam causar perda de dados ou impedir que a infraestrutura de Backup e Replicação do Veeam funcione corretamente para restauração do ambiente.

The image illustrates the process of managing alarms in Veeam Backup & Replication. It shows three overlapping windows:

- Main Alarm List:** Displays a table of alarms. A green arrow points to the 'Alarms' tab in the top navigation bar. The table lists several alarms, including a warning for 'License expiration date' and errors for 'Backup repository free space' and 'Backup Copy job state'. A green arrow points to the 'License expiration date' row.
- Alarm Details:** Shows the details for the selected 'License expiration date' alarm. A green arrow points to the 'Description' section, which states: 'Fired by event: VeeamBackupServerLicenseExpiration. Event description: Veeam Backup & Replication license key has expired. Initiated by: Veeam ONE (SRV111)'. Other sections include Knowledge, Cause, and Resolution.
- Actions Menu:** A dropdown menu is open, showing various actions. A green arrow points to the 'New...' option.
- Alarm Settings:** A dialog box for configuring a new alarm. The 'General' tab is active, showing: 'Alarm name: Production VM CPU Usage', 'Alarm type: Virtual machine', 'Platform: VMware', and a checked 'Enable this alarm' checkbox. A green arrow points to the 'New...' button in the Actions menu, which is highlighted in the background.

# Alarmes Veeam Backup & Replication

## Criação de alarmes

Alarm Settings

General

**Rules**

Assignment

Notifications

Actions

Suppress

Knowledge Base

Rule type: Usage  Enabled

Counter: CPU Usage (%) Condition: Above

Warning: 80.0 % Error: 90.0 %

Time period: 15 min Aggregation: Avg

Rule type: Heartbeat  Enabled

Severity: Warning

Time period: 5 min

By default rules work with the OR logic.

Save Cancel

Alarm Settings

General

Rules

**Assignment**

Notifications

Actions

Suppress

Knowledge Base

Assignment for alarm:

Type	Location	Object
	Business View\Virtual Machines\vsphere\SLA	Mission Critical

Excluded objects:

Type	Location	Object
------	----------	--------

Save Cancel

# Alarmes Veeam Backup & Replication

## Criação de alarmes

The screenshot shows the 'Alarm Settings' dialog box with the 'Notifications' tab selected. The left sidebar contains a navigation menu with 'Notifications' highlighted. The main area contains a table for defining notification options. The table has three columns: 'Action', 'Value', and 'Condition'. The first row is selected, showing 'Send email to a default group' in the Action column, an empty field in the Value column, and 'Any state' in the Condition column. A dropdown menu is open below the Action column, listing several options: 'Send email to a default group', 'Send email to Business View group owner', 'Send email notification', 'Send SNMP trap', 'Run script', 'Create ServiceNow incident', and 'Send Syslog message'. 'Add' and 'Remove' buttons are located to the right of the table. At the bottom of the dialog are 'Save' and 'Cancel' buttons.

Action	Value	Condition
Send email to a default group		Any state

The screenshot shows the 'Alarm Settings' dialog box with the 'Actions' tab selected. The left sidebar contains a navigation menu with 'Actions' highlighted. The main area contains a list of actions to be performed when an alarm is triggered. The first action is 'Run script' with an execution type of 'By Approval' and a severity of 'Information'. The path to the script is 'C:\path\to\script.bat'. The second action is 'Add workload to SureBack...' with an execution type of 'By Approval' and a severity of 'Information'. The backup server is 'Select backup server', the SureBackup job is 'No jobs found', and the job is 'No jobs found'. There is a checkbox for 'Suppress if the location of the backup repository does not match the location of the virtual lab'. Below this are two warning icons with text: 'Backup server will start all linked jobs that are scheduled to run after this job' and 'Performing this remediation action will change the schedule of the selected SureBackup job'. 'Add', 'Remove', 'Move up', and 'Move down' buttons are located to the right of the actions list. At the bottom of the dialog are 'Save' and 'Cancel' buttons.

# Alarmes Veeam Backup & Replication

## Criação de alarmes

The screenshot shows the 'Alarm Settings' dialog box with the 'Suppress' tab selected. The left sidebar contains 'General', 'Rules', 'Assignment', 'Notifications', 'Actions', 'Suppress', and 'Knowledge Base'. The main area is titled 'Suppress when certain task is performed:' and includes three checkboxes: 'Veeam Backup activity' (unchecked), 'Snapshot creation' (checked), and 'Snapshot deletion' (checked). Below this is the 'Suppress alarm based on schedule:' section with a table for scheduling. The table has columns for 'Day', 'Start time', 'End time', and 'Comment'. The 'Day' dropdown is set to 'Daily', 'Start time' is '12:30 PM', and 'End time' is '5:00 PM'. An 'Add' button is to the right of the table. At the bottom are 'Save' and 'Cancel' buttons.

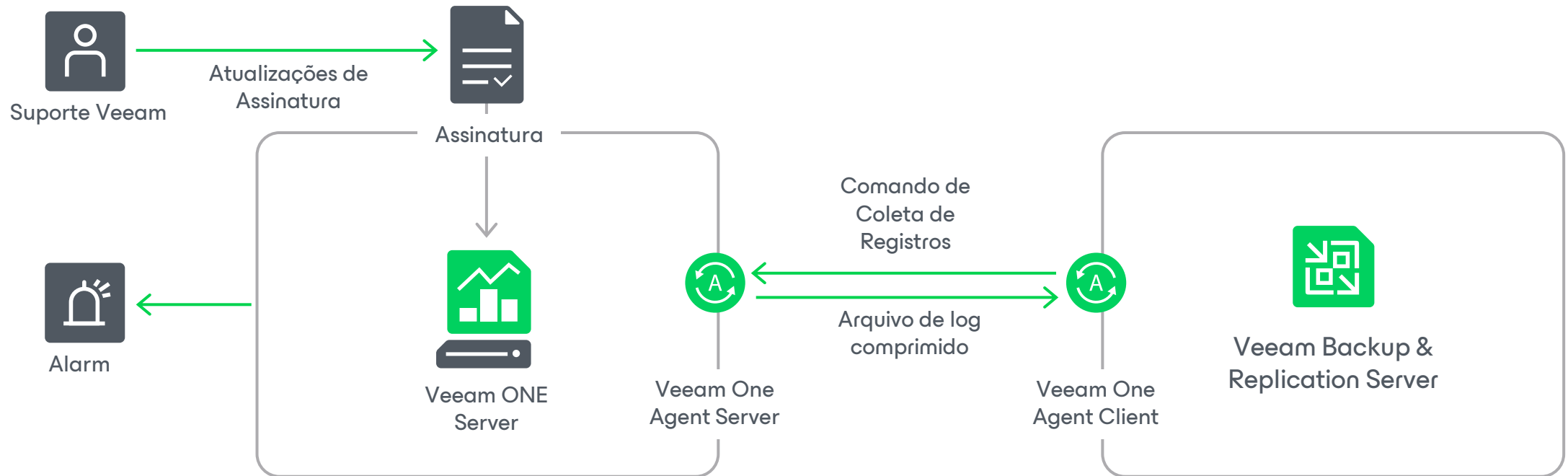
Day	Start time	End time	Comment
Daily	12:30 PM	5:00 PM	

The screenshot shows the 'Alarm Settings' dialog box with the 'Knowledge Base' tab selected. The left sidebar is the same as in the previous screenshot. The main area contains the following sections:

- General**
- Rules**: This VM has exceeded the threshold for CPU usage
- Assignment**
- Notifications**: Usage is calculated as illustrated in the following example. Consider an 8-core host with a single 2-core VM. If each core is rated at 3,000 MHz and the VM consumes an average of 5,400 MHz over the interval, then the CPU Usage for that VM would be 90% (since 6,000 MHz is the maximum that a 2-core VM could consume and 5,400 is 90% of 6,000)
- Actions**
- Suppress**: Check the VM CPU usage tab.
- Resolution**: Check for high demand for CPU resources from application workloads inside the VM. Consider adding virtual CPUs to better distribute the processing across multiple cores. Note that multi-CPU VMs can impact the efficiency of the host CPU scheduler, as host must allocate all cores simultaneously in order to allow genuine multi-CPU activities within the VM
- External**: Refer to [VMware's online documentation](#) for more information
- Custom**: A large empty text area for custom messages.

At the bottom are 'Save' and 'Cancel' buttons.

# Veeam Intelligent Diagnostic



## Resolução

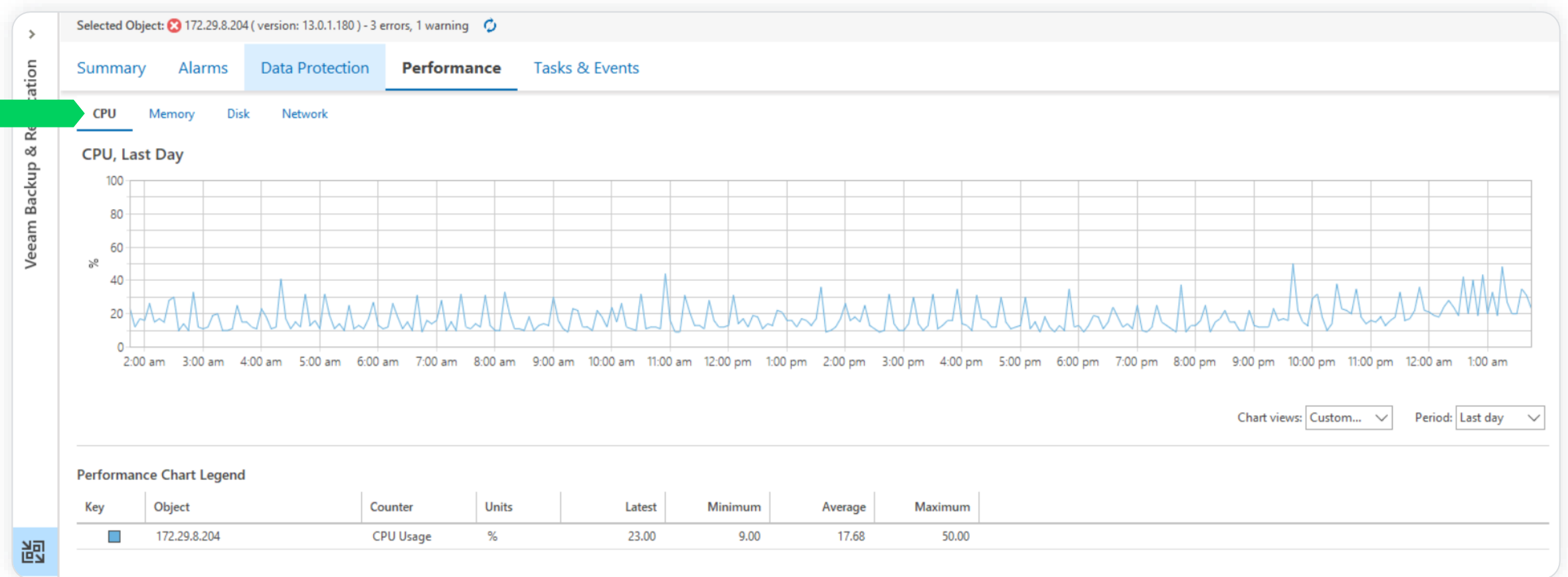
Para obter mais informações sobre o problema e a resolução, consulte o seguinte artigo [KB4682](#) da Base de Conhecimento de Suporte Veeam.

A vulnerabilidade foi resolvida com um hotfix para o Veeam Backup Enterprise Manager 12.2.0.334 e também na versão mais recente do Veeam Backup & Replication, 12.2 (build 12.2.0.334) ISO.

Se você está prestes a entrar em contato com o [Suporte Técnico da Veeam](#) sobre esse alarme, certifique-se de fornecer o UID de assinatura do Veeam Intelligent Diagnostics ao abrir um caso de suporte. Isso simplificará o processo de investigação e pode reduzir significativamente o tempo de resolução.  
UID característico: VID843751

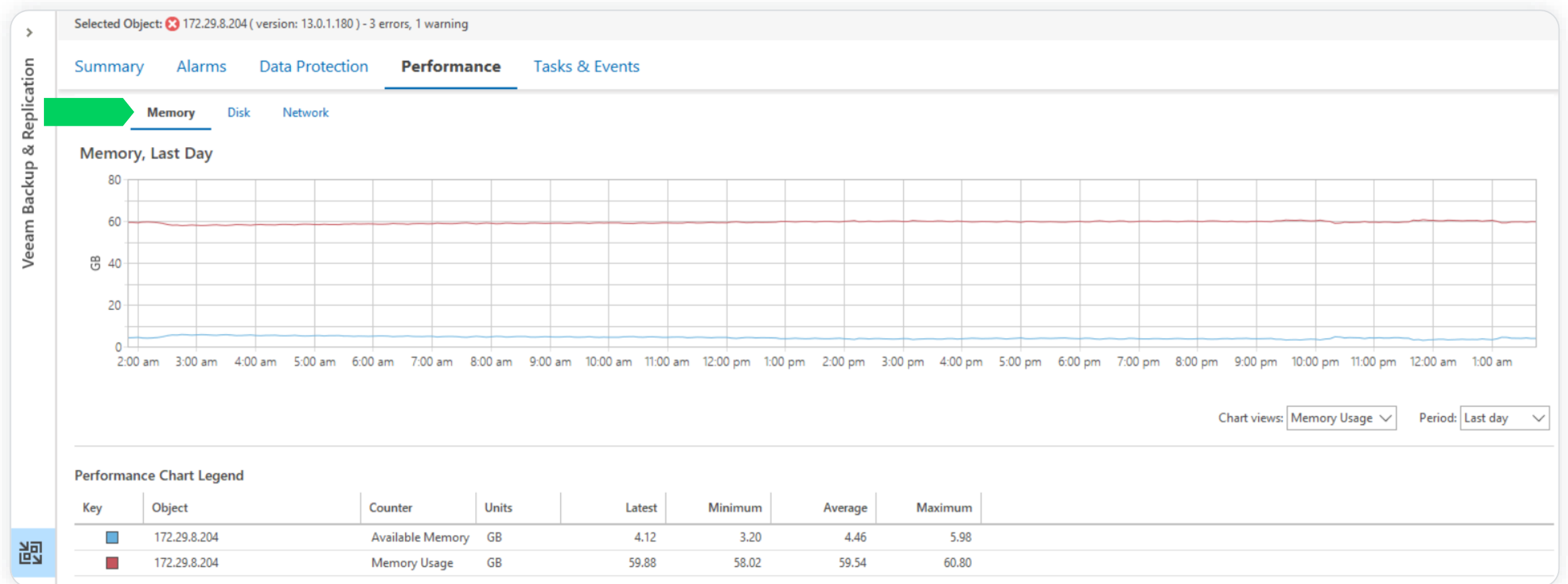
# Gráficos de Performance Veeam Backup & Replication

Para identificar gargalos de desempenho durante o processo do seu backup, você pode acessar o seguinte **Gráficos de Performance (CPU)**:



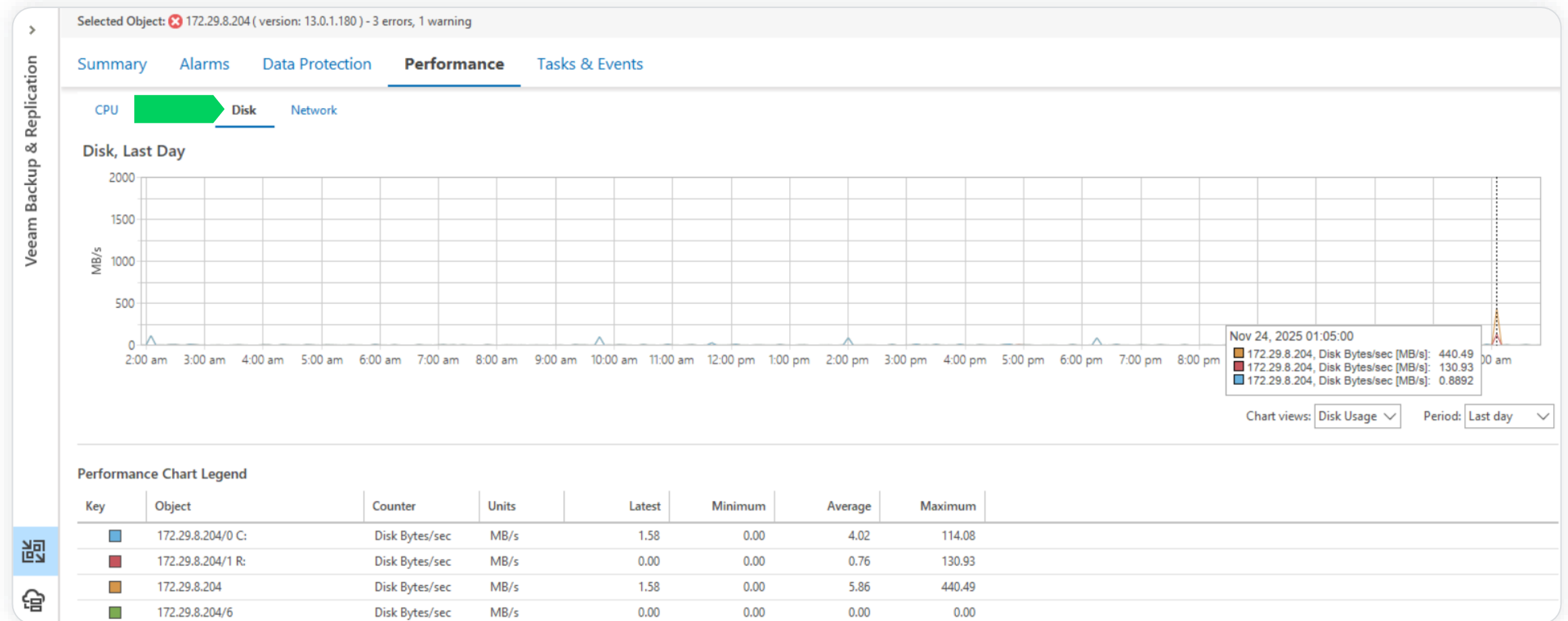
# Gráficos de Performance Veeam Backup & Replication

Para identificar gargalos de desempenho durante o processo do seu backup, você pode acessar o seguinte **Gráficos de Performance (Memória)**:



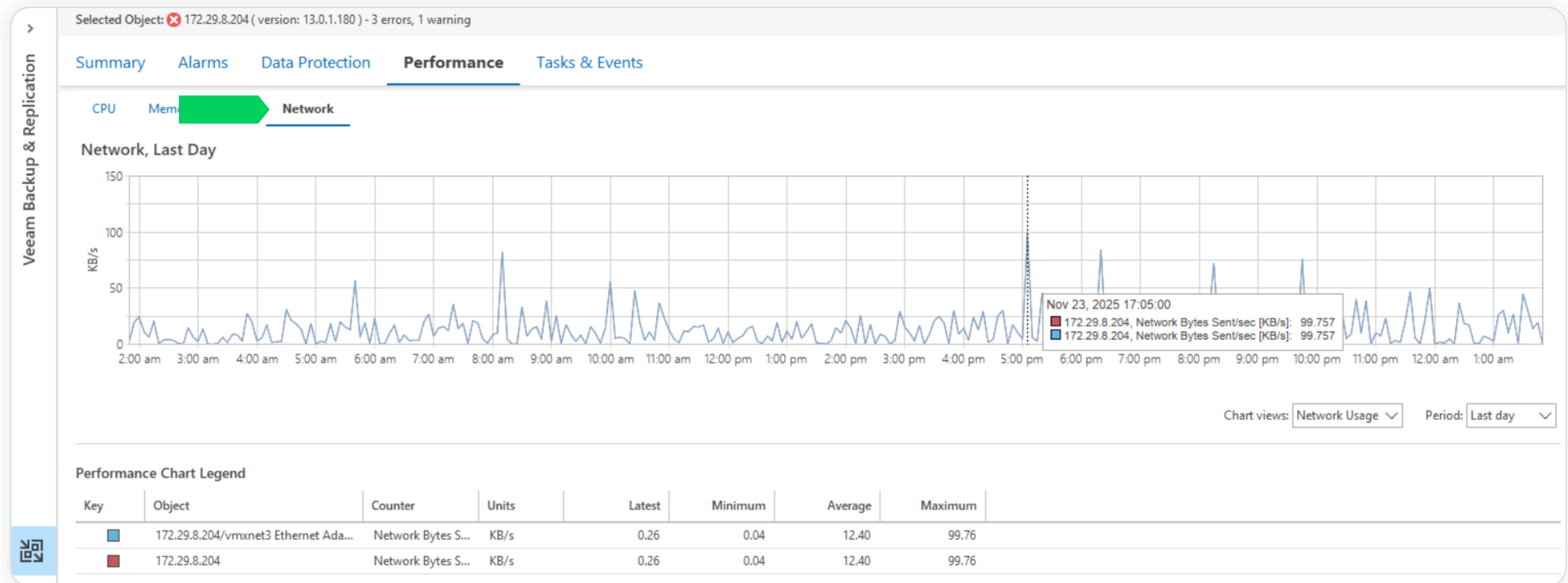
# Gráficos de Performance Veeam Backup & Replication

Para identificar gargalos de desempenho durante o processo do seu backup, você pode acessar o seguinte **Gráficos de Performance (Disco)**:

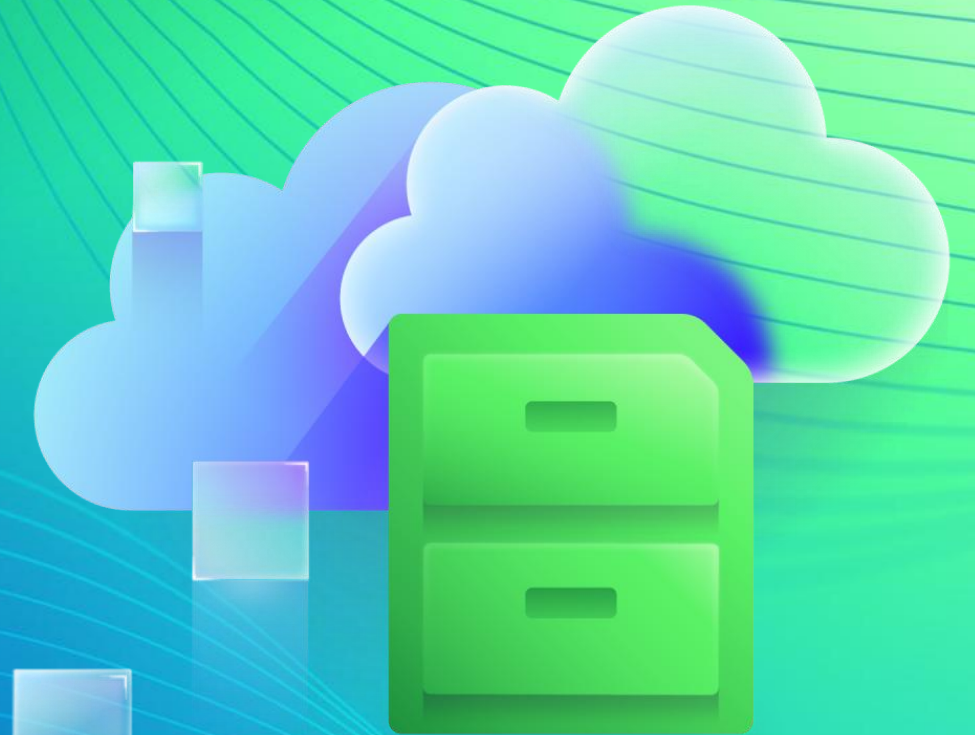


# Gráficos de Performance Veeam Backup & Replication

Para identificar gargalos de desempenho durante o processo do seu backup, você pode acessar o seguinte **Gráficos de Performance (Rede)**:



# Monitorando Veeam Backup for M365

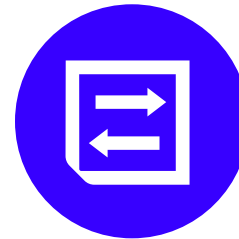


# Veeam Backup for Microsoft 365

## Visão geral

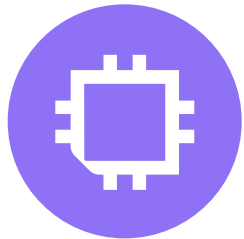


**Dashboards & Infraestrutura:**  
Resume um status do backup e dos proxies.



**Proxies:** Monitora o desempenho do proxy e pools.

**Alarmes e Proteção de Dados:**  
Rastreia alertas e métricas de backup.



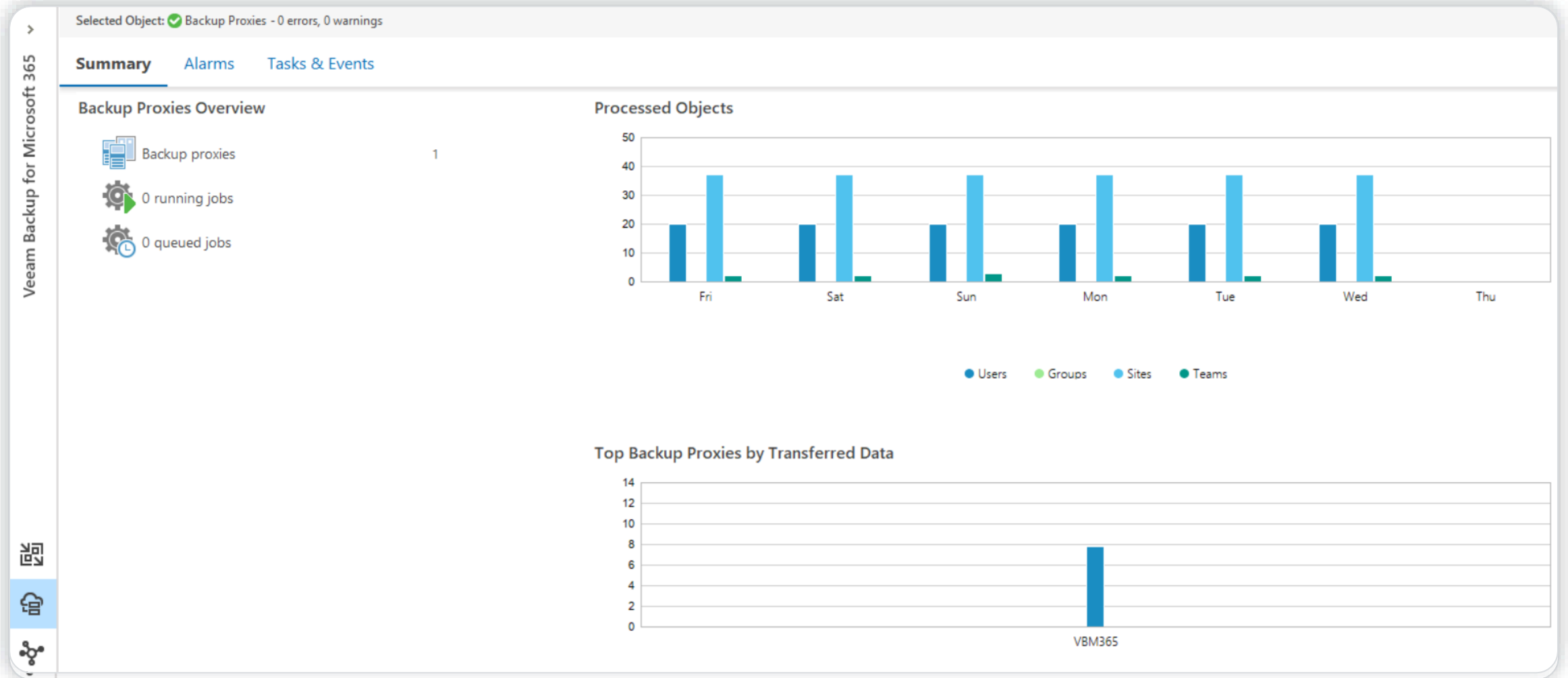
**Performance:**  
Gráficos de CPU, Memória, Disco e Rede.



**Dados e Eventos Protegidos:**  
Logs fazem backup de dados e eventos.

# Veeam Backup for Microsoft 365

Dashboards & Infraestrutura: Resume o status de backup e proxies.



# Veeam Backup for Microsoft 365

Na guia **Protected Data** permite visualizar a lista de objetos protegidos do **Microsoft 365** armazenados em repositórios locais ou em nuvem:

Veeam ONE Client (ISELAB\elena.ladikova)

Veeam Backup for Microsoft 365

Selected Object: Exchange Repo - 0 errors, 0 warnings

Summary Monthly Summary **Protected Data** Tasks & Events

Users Groups Sites Teams

Search... Filters: All [Icons]

Object	Email Address	Organization	Last Job Run	Last Job Status	Job Name	Restore Points
Adele Vance	AdeleV@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Alex Wilber	AlexW@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Diego Siciliani	DiegoS@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Discovery Search Mailbox	DiscoverySearchMailbox...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Grady Archie	GradyA@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Henrietta Mueller	HenriettaM@demovbo....	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Isaiah Langer	IsaiahL@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Johanna Lorenz	JohannaL@demovbo.on...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Joni Sherman	JoniS@demovbo.onmicr...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Lee Gu	LeeG@demovbo.onmicr...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Lidia Holloway	LidiaH@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Lynne Robbins	LynneR@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Megan Bowen	MeganB@demovbo.on...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Miriam Graham	MiriamG@demovbo.on...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Najib Bourhlem	najib@demovbo.onmicr...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Nestor Wilke	NestorW@demovbo.on...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Patti Fernandez	PattiF@demovbo.onmic...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
Pradeep Gupta	PradeepG@demovbo.on...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64
restore	restore@demovbo.onmi...	demovbo.onmicrosoft.c...	12/2/2024 12:00:40 PM	Success	Exchange Backup	64

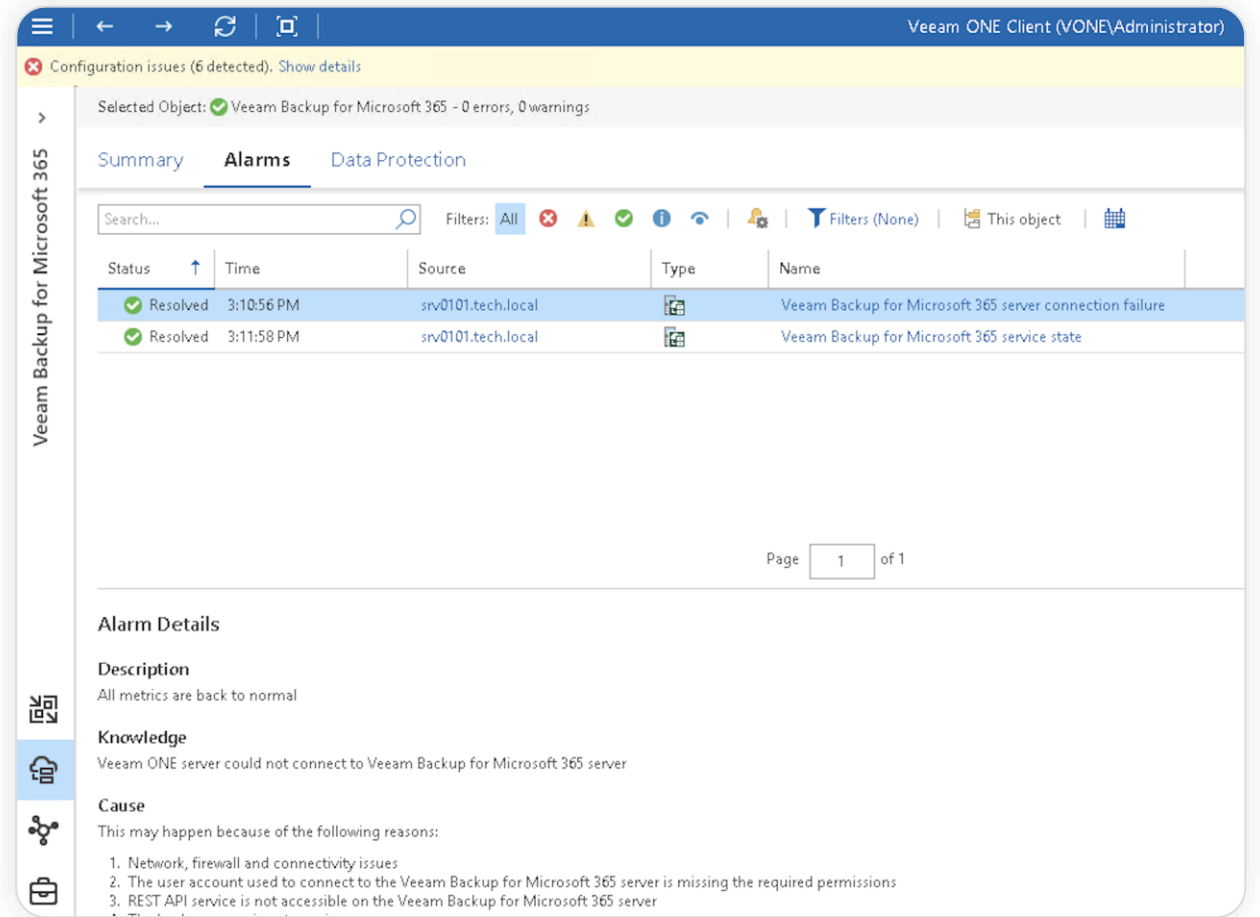
Veeam Backup & Replication

Veeam Backup for Microsoft 365

# Veeam Backup for Microsoft 365 Alarms

## Principais itens monitorados:

- **Conectividade:** Problemas de comunicação entre componentes de backup.
- **Status do Software:** Rastreia o estado e identifica problemas com o software Veeam Backup for Microsoft 365.
- **Alertas/Falhas nos Jobs:** Jobs que falharam ou terminaram com alertas.
- **Espaço de Armazenamento:** Visualização rápida de espaço decrescente em repositórios.
- **Jobs de longa duração:** Jobs excedendo/ultrapassando a janela de backup.
- **Licenças e Contratos:** Questões com licenças de produto ou contratos de suporte.





Configuration issues (6 detected). Show details

Selected Object: ✔ Veeam Backup for Microsoft 365 - 0 errors, 0 warnings

Summary **Alarms** Data Protection

Search... Filters: All ✖ ⚠ ✔ i ↶ Filters (None) This object

Status	Time	Source	Type	Name
<span style="color: green;">✔</span> Resolved	3:10:56 PM	srv0101.tech.local		Veeam Backup for Microsoft 365 server connection failure
<span style="color: green;">✔</span> Resolved	3:11:58 PM	srv0101.tech.local		Veeam Backup for Microsoft 365 service state

Page 1 of 1

**Alarm Details**

**Description**  
All metrics are back to normal

**Knowledge**  
Veeam ONE server could not connect to Veeam Backup for Microsoft 365 server

**Cause**  
This may happen because of the following reasons:

1. Network, firewall and connectivity issues
2. The user account used to connect to the Veeam Backup for Microsoft 365 server is missing the required permissions
3. REST API service is not accessible on the Veeam Backup for Microsoft 365 server

# Monitorando Ambientes Virtuais

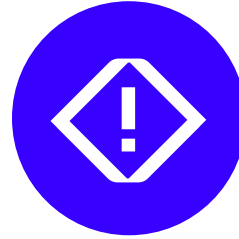
Ex: Vmware vSphere



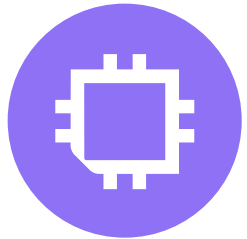
# VMware vSphere



**Dashboards & Infraestrutura:**  
Resume Hosts físicos, Maquinas Virtuais e Datastores



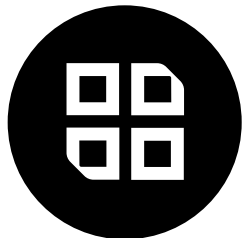
**Alarmes e Proteção de Dados:**  
Monitora alertas e eventos importantes do sistema



**Gráficos de Performance:**  
Monitora métricas de CPU, memória, armazenamento e rede



**Recursos & Hardware:**  
Destaca o uso de recursos e o status do hardware.



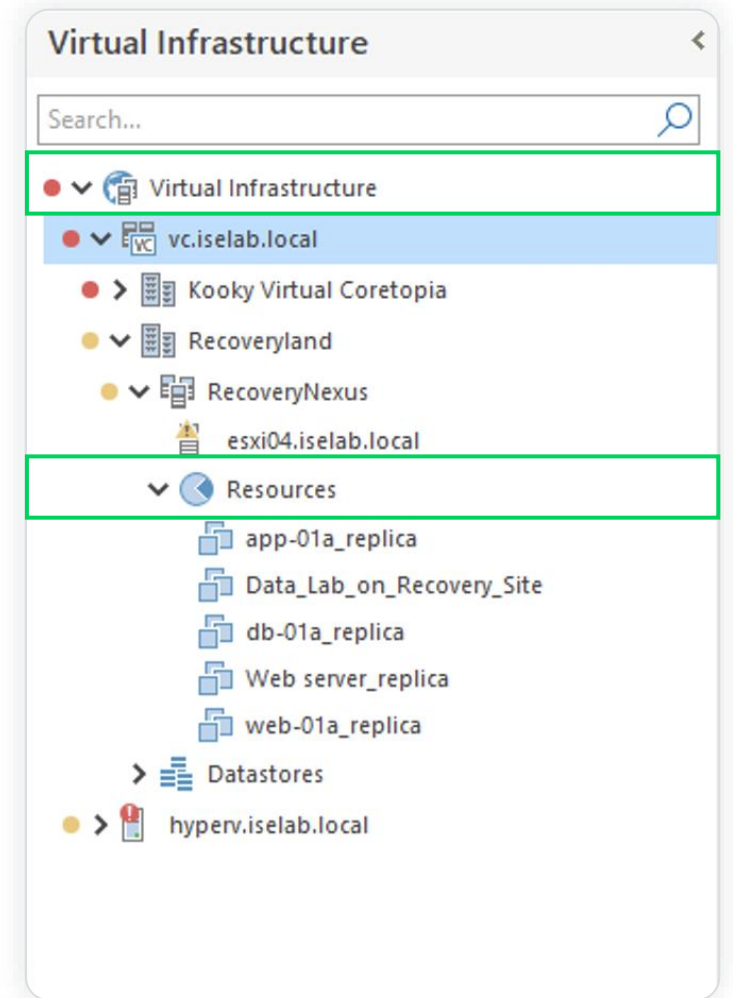
**In-Guest Insights:**  
Acompanha processos e serviços dentro das VMs.

# VMware vSphere

## Dashboards & Infraestrutura: Resumo de Hosts Físicos, VMs e Datastores.

O Dashboard está disponível para os seguintes níveis de infraestrutura:

- Virtual Infrastructure (root node)
- Virtual Infrastructure Container (visualização em pasta, pool de recursos, host, cluster, datacenter ou vCenter Server)



# VMware vSphere

Por padrão os dashboards estão disponíveis para os seguintes objetos:

- VMware vSphere Infrastructure
- Host
- Virtual Machine
- Datastore

The screenshot displays the Veeam ONE Client interface for monitoring VMware vSphere. The main window shows a summary dashboard for a selected object (prgtwex01.tech.local) with the following components:

- Datstores Status:** A pie chart showing the health of datastores. It is divided into four segments: 1 Healthy (green), 1 Warning (yellow), 1 Error (red), and 1 Inaccessible (grey).
- Virtual Machines Status:** A pie chart showing the health of virtual machines. It is divided into four segments: 38 Healthy (green), 34 Warning (yellow), 18 Error (red), and 0 Inaccessible (grey).
- Resource Usage:** A section showing CPU and Memory usage with progress bars. CPU: Used: 20.0 GHz, Capacity: 162.1 GHz. Memory: Used: 355.4 GB, Capacity: 511.89 GB.
- Storage:** A table listing storage resources with their status and capacity.
- Latest Alarms:** A table listing recent alarms with their status, time, source, and name.
- Alarms by Object:** A table listing alarms grouped by object.
- Business View Groups:** A table listing business view groups.

Status	Time	Source	Name
Warning	10:13:22 AM	linuxsrv001	VM total disk latency
Error	10:07:16 AM	filesrv02	VM total disk latency
Warning	10:07:16 AM	serv45	VM total disk latency
Error	10:06:56 AM	serv04_release	VM total disk latency
Error	10:06:56 AM	serv21	VM total disk latency
Warning	10:06:56 AM	linorc01	VM total disk latency
Warning	10:04:13 AM	prgtwex01-ds01	Datastore read latency
Warning	10:04:13 AM	This object (prgtwex01.tech.local)	Host disk SCSI aborts
Error	10:04:13 AM	rhel01	VM total disk latency
Error	10:04:13 AM	wrk001	VM total disk latency
Warning	10:04:13 AM	serv001	VM total disk latency

Type	Source	Alarms
	serv04_release	3 / 1
	enterprise06	1 / 2
	wrk001	1 / 2
	serv45	1 / 2

Category	Group
----------	-------

# VMware vSphere

**Overview:** Monitoramento abrangente de desempenho em métricas específicas.

Selecione qualquer objeto ou segmento de infraestrutura no painel de inventário para visualizar gráficos de desempenho relevantes.

## Principais

**CPU & Memory:** Tendências de utilização de recursos.

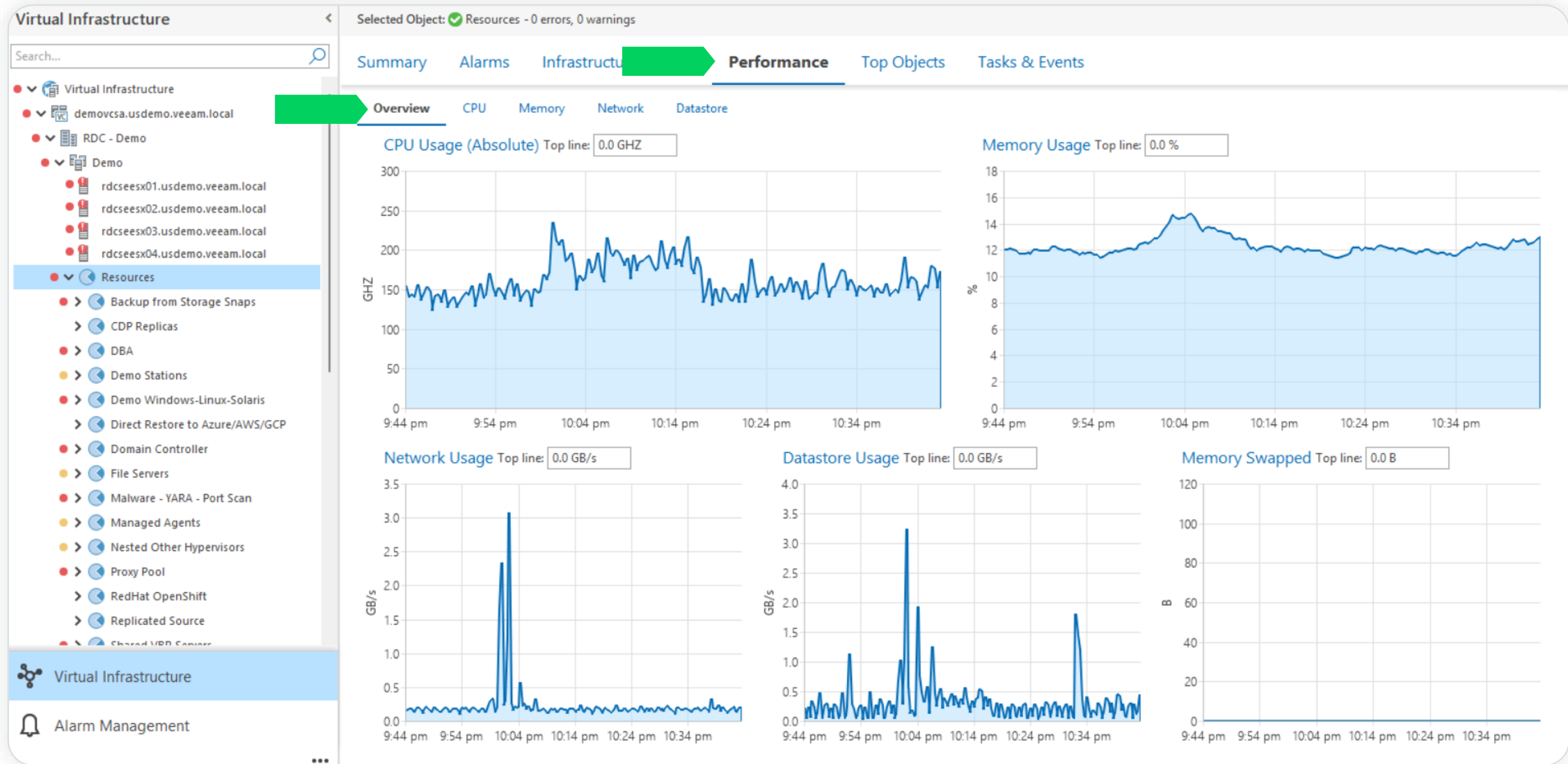
**Network:** Insights sobre largura de banda e conectividade.

**Datastore & Disks:** Desempenho e uso de armazenamento (I/O, espaço, paths até o Storage).

**Customizações:** Adapte gráficos para suas necessidades e insights específicos. **Personalize gráficos de desempenho para selecionar um objetos específicos, intervalos de tempo ou contadores de desempenho** para exibir nos gráficos da forma que deseja.

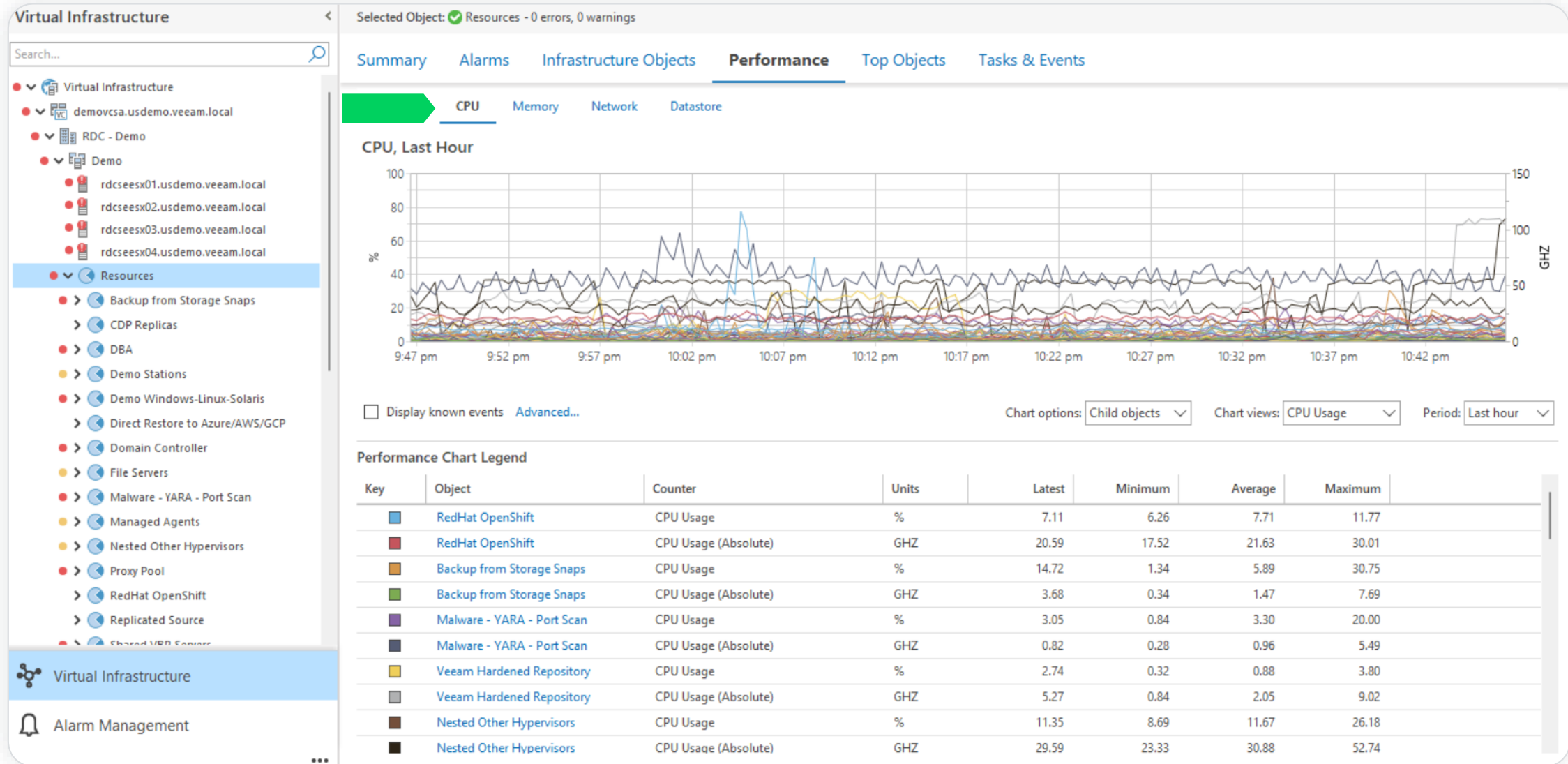
# VMware vSphere

## Gráficos de Performance



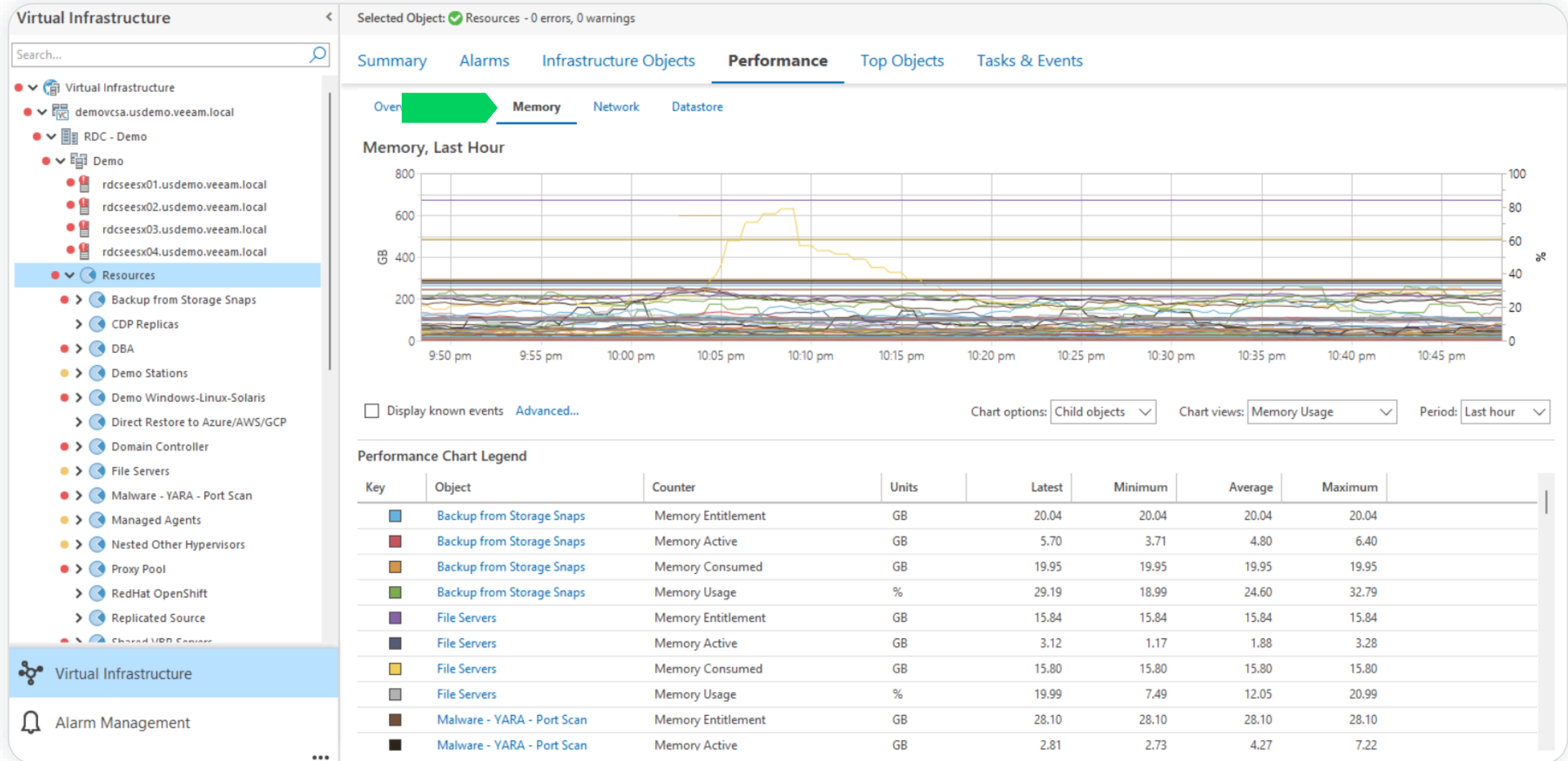
# VMware vSphere

## Gráficos de Performance (CPU)



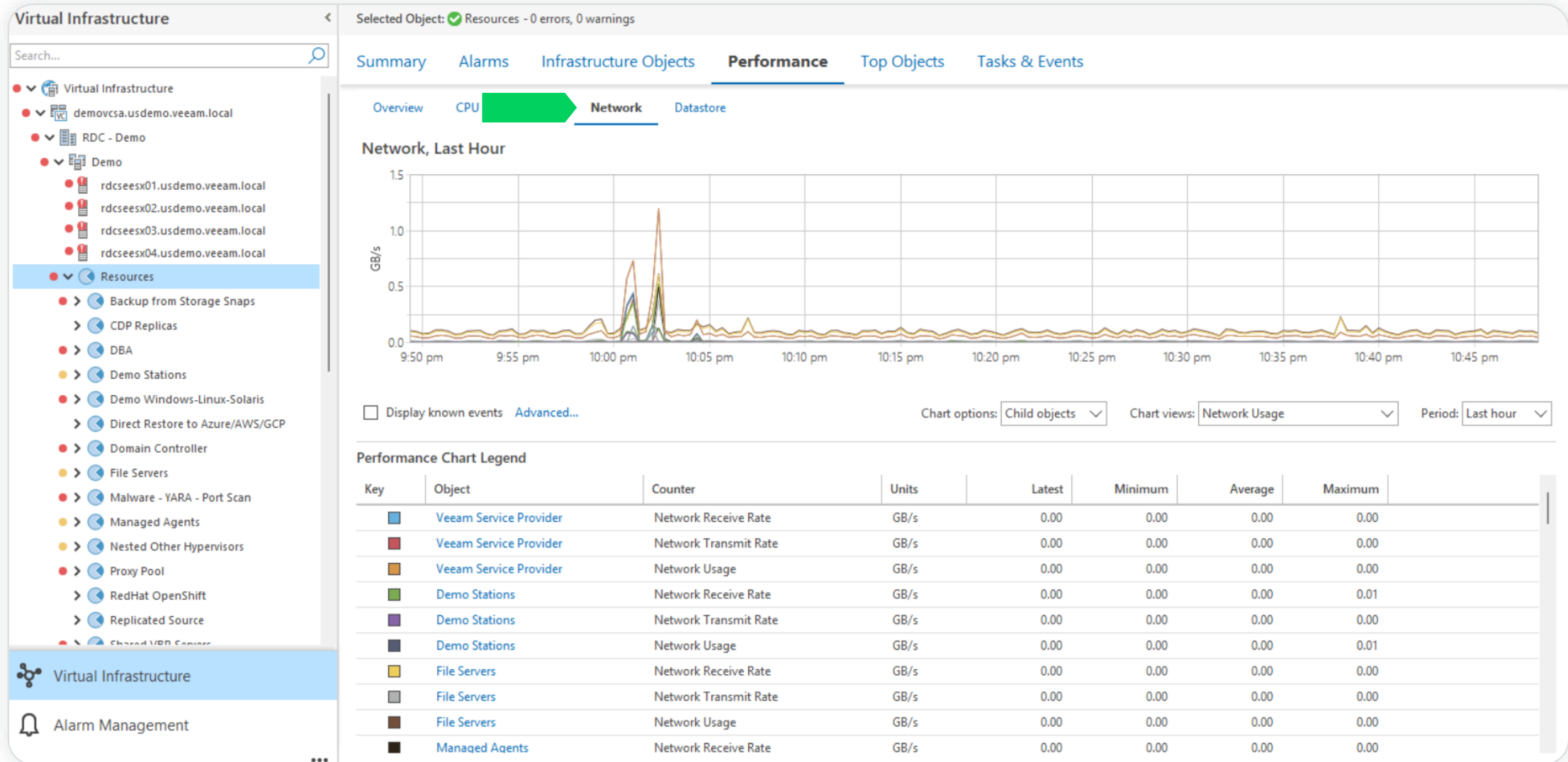
# VMware vSphere

## Gráficos de Performance (Memoria)



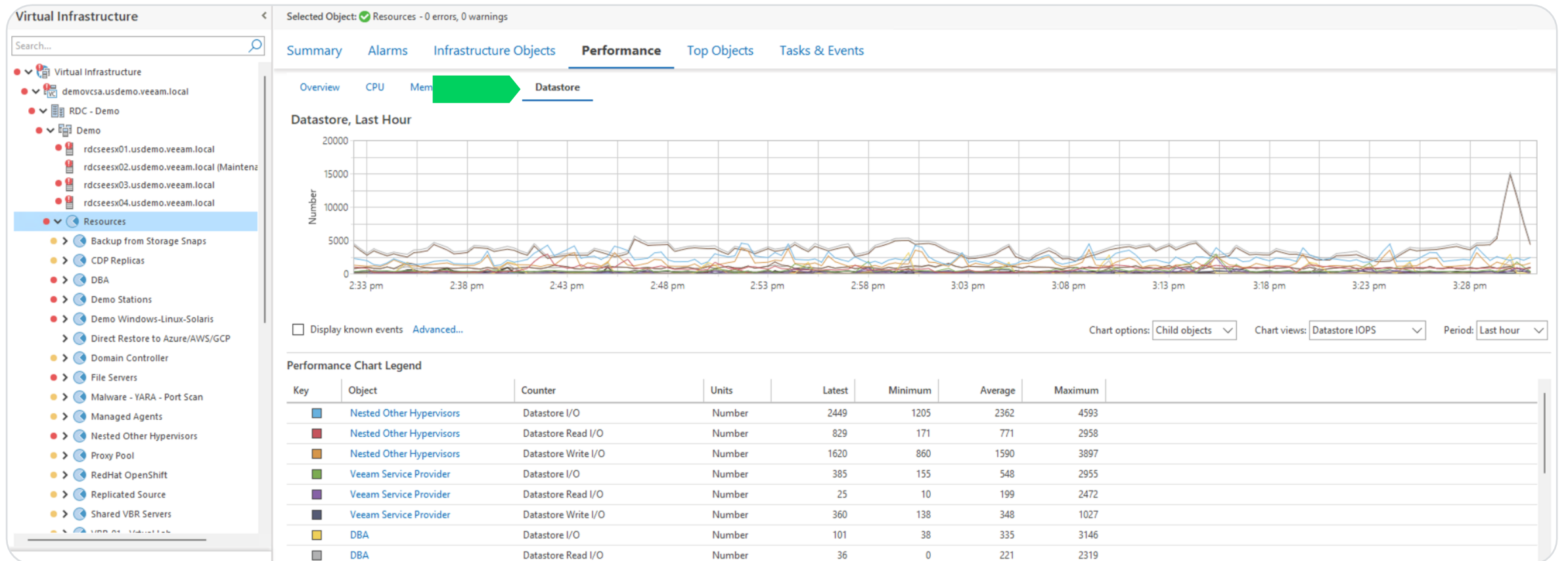
# VMware vSphere

## Gráficos de Performance (Rede)



# VMware vSphere

## Gráficos de Performance (Datastore)



# VMware vSphere (Alarmes)

Nos detalhes dos Alarmes, você pode visualizar eventos acionados, rastrear histórico, resolver e reconhecer problemas e realizar outras ações.

Exemplo:

## Alarm Details

### Description

Fired by event: esx.problem.storage.connectivity.lost

Event description: Lost connectivity to storage device naa.600000e00d290000002938ec00260000. Path vmhba2:C0:T6:L1 is down. Affected datastores: Unknown.

Initiated by: Not Set

### Knowledge

The event indicates a loss in connectivity to the specified storage device. The path indicated is the last path that went down

### Cause

Failure of the storage connection cable, disconnect of cable, failure of the physical storage adapter, failure of disk controller/port/etc


### Resolution


The storage device reading (vmhba35:C1:T0:L7) mentioned in the example earlier contains several potential failure points:

- vmhba35 - HBA (Host Bus Adapter)
- C1 - Channel
- T0 - Target (Storage processor port)
- L7 - LUN (Logical Unit Number or Disk Unit)

To determine the actual failure or to eliminate possible issues:

1. Identify the available storage paths to the reported storage device by running the `esxcfg-mpath -l` command. For more information, see [Obtaining LUN pathing information for ESX Server 3 \(1003973\)](#)
2. Check that a rescan does not restore visibility to the targets. Follow the steps provided in [Performing a rescan of the storage \(1003988\)](#) to rescan the storage device by using the command-line interface and VMware vSphere Client.
3. Determine whether the connectivity issue is with the iSCSI storage or the fiber storage. Perform one of the following depending on what your connectivity issue is:
  - To troubleshoot the connectivity to the iSCSI storage using the software initiator
    - Check whether a ping to the storage array fails from the host. For more information, see [Testing VMkernel network connectivity with the vmkping command \(1003728\)](#).
    - Check that the initiator is registered on the array. Contact your storage vendor for instructions on this procedure.
    - Check that the following physical hardware is correctly functioning:

Service: localhost  connected

Database: VeeamONE  connected

# Processos e Serviços In-Guest

The screenshot displays the Veeam Backup & Replication interface. The main window shows the 'Guest OS' tab for a selected VM, with a table of running processes and services. A context menu is open over the VM list, showing various management options.

**Guest OS Services Table:**

Name	% Processor ...	% User Time	Memory Usage	Thread Count	Elapsed Time	ID
conhost	0%	0%	900 K	2	2000:28:03	
csrss	0%	0%	812 K	11	2480:11:06	
csrss	0%	0%	2196 K	10	8452:46:10	
dwm	0%	0%	3616 K	11	2480:11:06	
fontdrvhost	0%	0%	880 K	5	2480:11:06	
fontdrvhost	0%	0%	996 K	5	8452:46:09	
Idle	99%	0%	8 K	2	8452:46:14	
LogonUI	0%	0%	9416 K	9	1040:08:05	
lsass	0%	0%	12564 K	7	8452:46:09	
msdtc	0%	0%	928 K	9	8452:44:07	
MsMpEng	0%	0%	130576 K	20	818:01:50	
NisSrv	0%	0%	2264 K	3	818:01:41	
Registry	0%	0%	61472 K	4	8452:46:17	
SecurityHealthService	0%	0%	5892 K	6	8426:46:06	
services	0%	0%	6244 K	6	8452:46:10	
smss	0%	0%	216 K	2	8452:46:14	

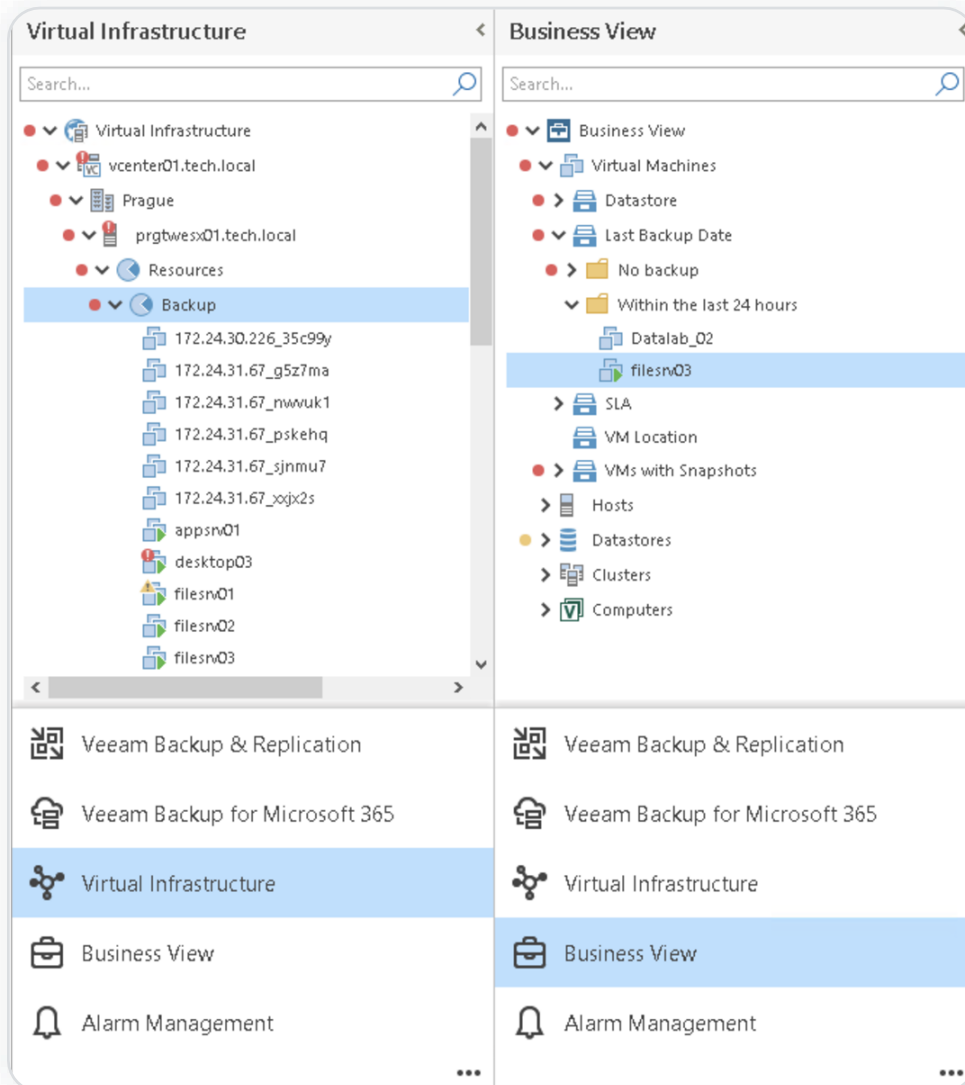
**Context Menu Options:**

- Refresh
- Maintenance Mode
- Schedule Maintenance Mode...
- Alarms
- Reports
- Guest OS Credentials...
- Remote Management
  - Connect to VM
- Open Console
- Power On
- Power Off
- Reboot
- Hard Reset
- Shut Down Guest OS

# Business View



# Business view



Veeam ONE Client oferece duas perspectivas para visualizar sua infraestrutura:

- **Perspectiva Técnica:** Com foco no inventário VMware vSphere ou Microsoft Hyper-V.
- **Perspectiva Empresarial:** Utiliza o componente chamado **Business View** para organizar a infraestrutura com base nas necessidades do negócio.

# Modelo de categorização

**Objects:** Inclui clusters, hosts, VMs, armazenamento e aplicações.

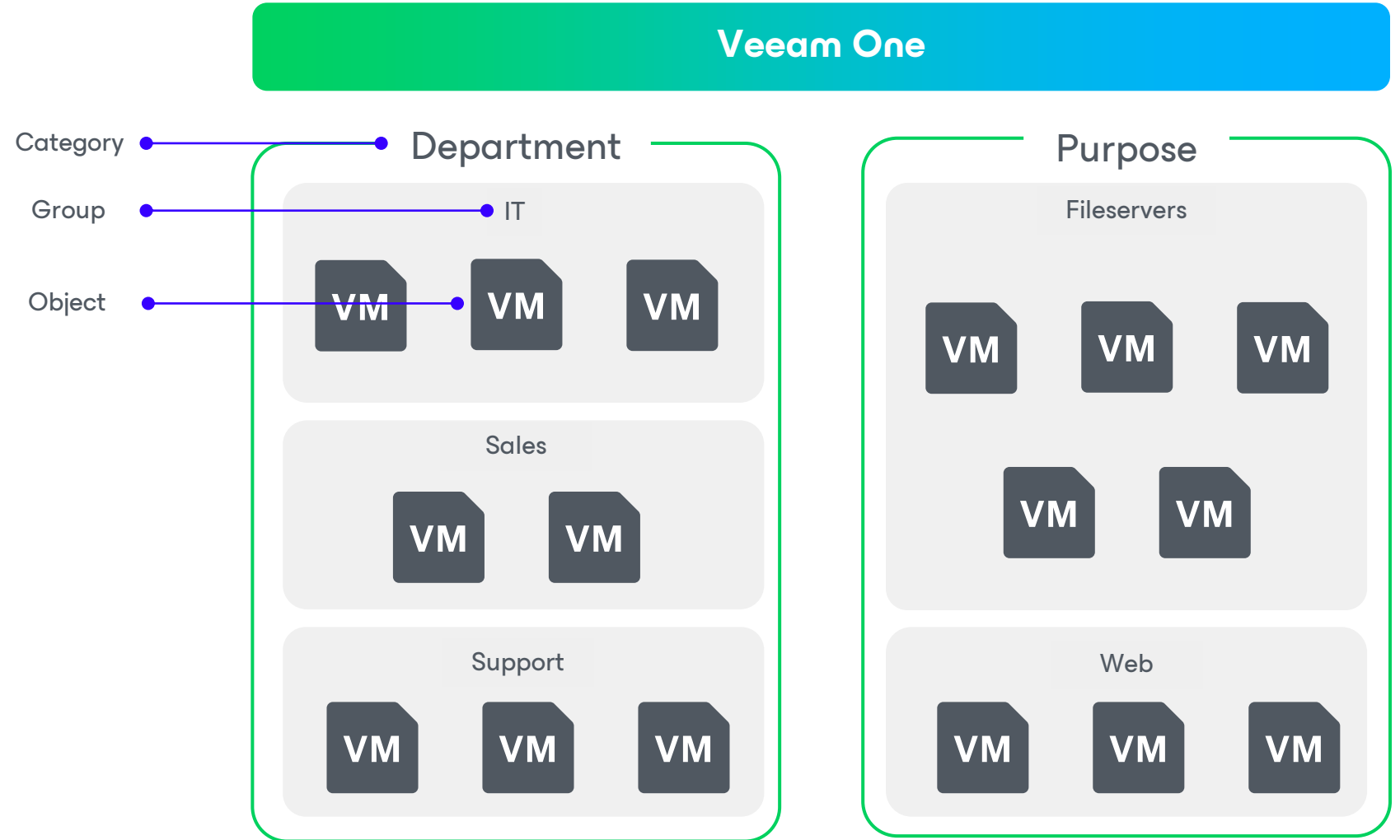
**Objetos podem pertencer a múltiplos grupos.**

**Categories:** Divisões lógicas (por exemplo, departamento, propósito, etc).

**Static:** Criado e atualizado manualmente durante a coleta de dados.

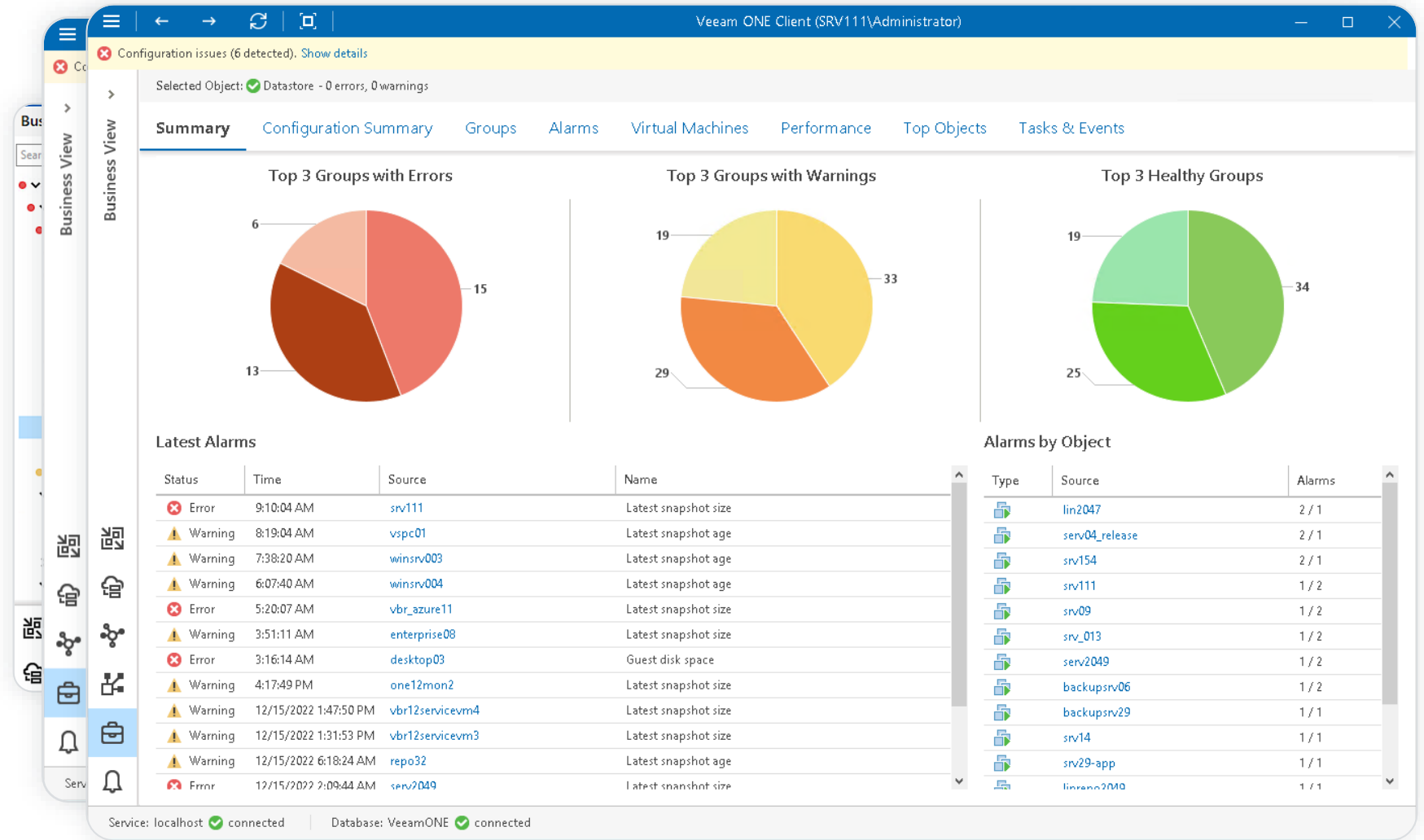
**Dynamic:** Gerado automaticamente com base em critérios.

**Groups:** Tags para objetos de infraestrutura similares.

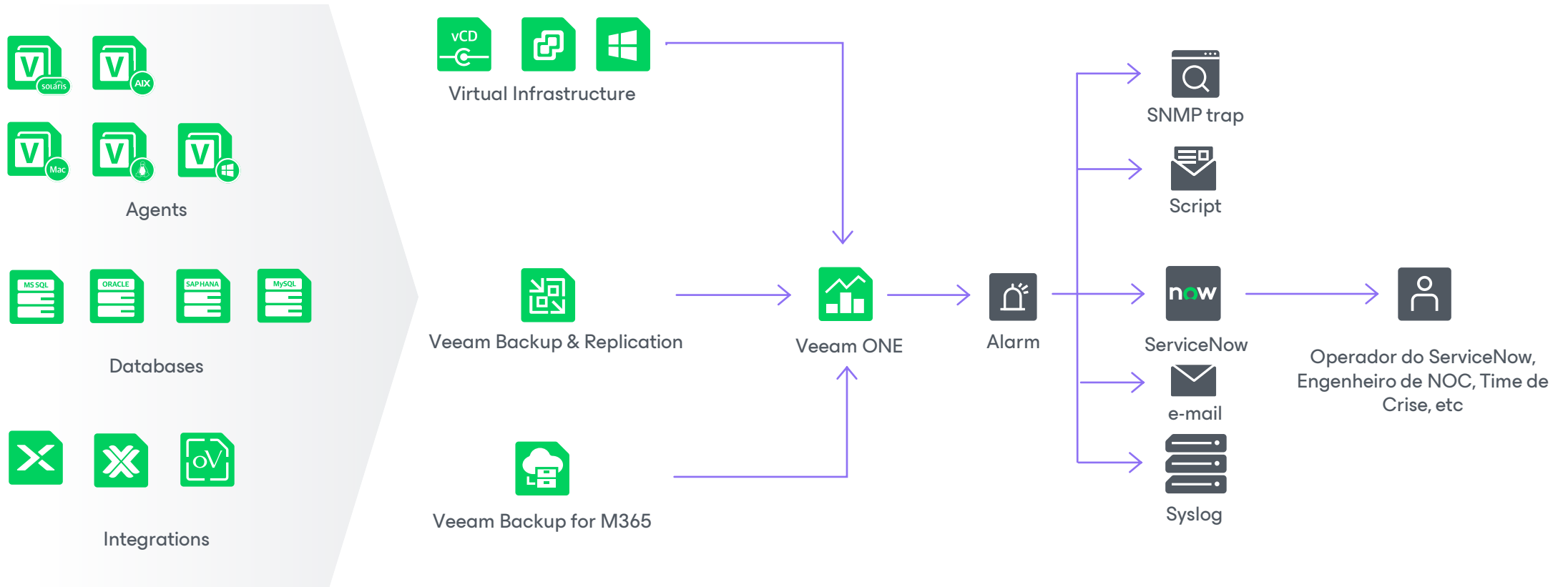


# Exemplos

- Monitora o estado geral da infraestrutura categorizada
- Visualização do alarmes acionados
- Veja objetos incluídos em categorias e grupos
- Trabalhe com gráficos de performance
- Visualização completa da lista de eventos



# Integração com ServiceNow



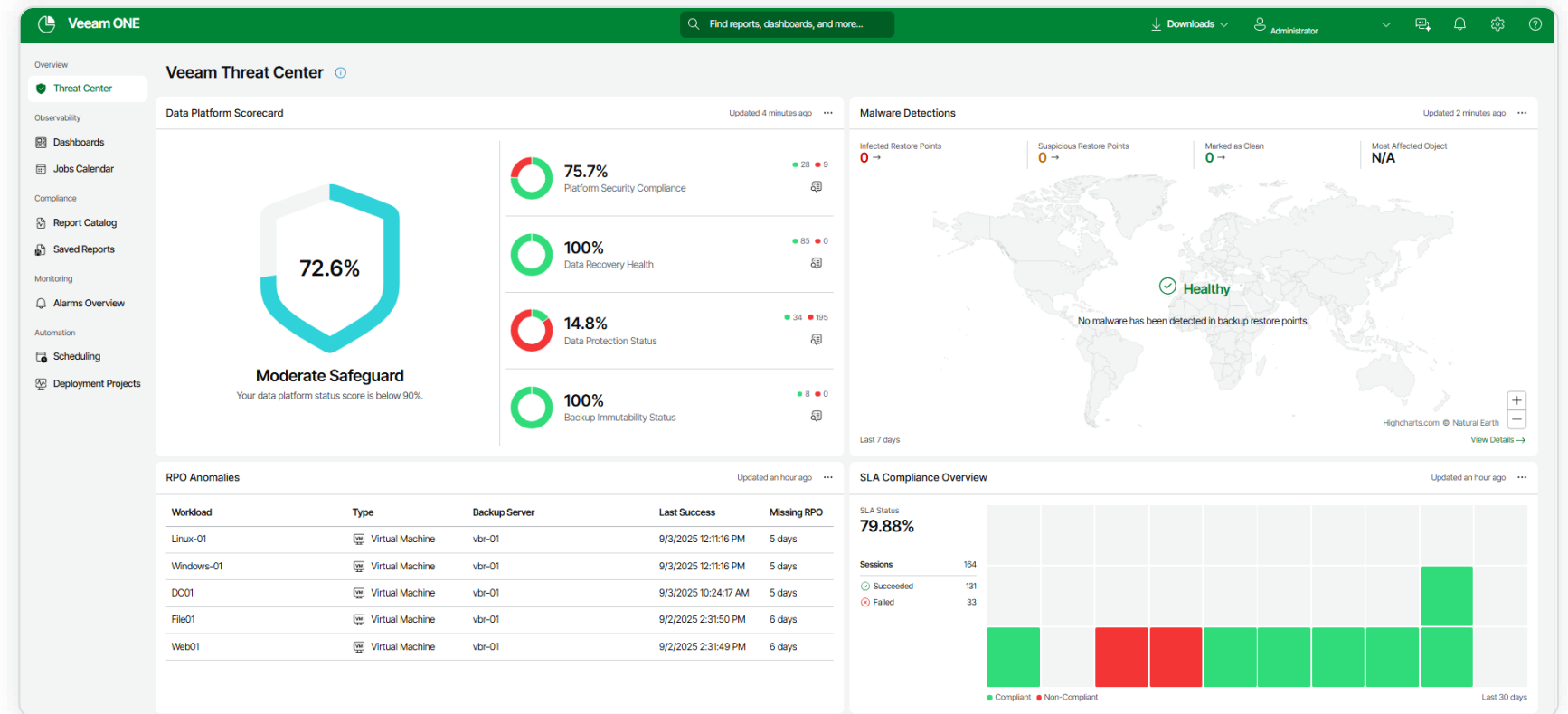
# Veeam ONE Web Client



# Veeam ONE Web Client

## Threat Center

- Fornece uma Pontuação com Status da Plataforma baseada em Melhores Práticas, RPO, Saúde e Imutabilidade dos Pontos de Restauração
- Fornece informações sobre anomalias em RPO
- Apresenta Conformidade do SLA



# Veeam ONE Web Client

## Data Collection

Os usuários podem verificar conexões configuradas, alterar a agenda para coleta de dados ou realizar a coleta manual.

The screenshot shows the Veeam ONE Web Client interface. The top navigation bar is green and contains the Veeam ONE logo, a search bar, and user information. The main content area is titled "Data Collection Overview" and includes a sidebar with navigation options like "Data Collection", "Reporting", "Database", "Veeam Intelligence", "Security", "Appearance", and "About". The "Data Collection Overview" page has tabs for "Overview" and "Task Sessions". Below the tabs, there are filters for "Data source", "Veeam Analytics service", "Veeam Intelligent Diagnostics", and "Advanced actions". A search bar for "Object name" and a "Filters (None)" button are also present. The main table lists data collection tasks with the following columns: Object Name, Platform, Status, Veeam Analytics Service, Monitoring Credentials, Log Analysis, and Remediation Actions. A "Refresh" button is located in the top right corner of the table area.

<input type="checkbox"/>	Object Name ↑	Platform	Status	Veeam Analytics Servic...	Monitoring Credentials	Log Analysis	Remediation Actions	...
<input type="checkbox"/>	demovcsa.us...	VMware vCenter S...	Healthy	N/A	usdemo\svc-vbr-admin	N/A	Enabled	
<input type="checkbox"/>	hyperv	Hyper-V failover clu...	Healthy	N/A	usdemo\svc-vbr-admin	N/A	Enabled	
<input type="checkbox"/>	vbm365.usde...	Veeam Backup for ...	Healthy	N/A	usdemo\svc-vbr-admin	N/A	N/A	
<input type="checkbox"/>	vbr-01	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled	
<input type="checkbox"/>	vbr-02.usde...	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled	
<input type="checkbox"/>	vbr-03.usde...	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled	
<input type="checkbox"/>	vbr-04.usde...	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled	

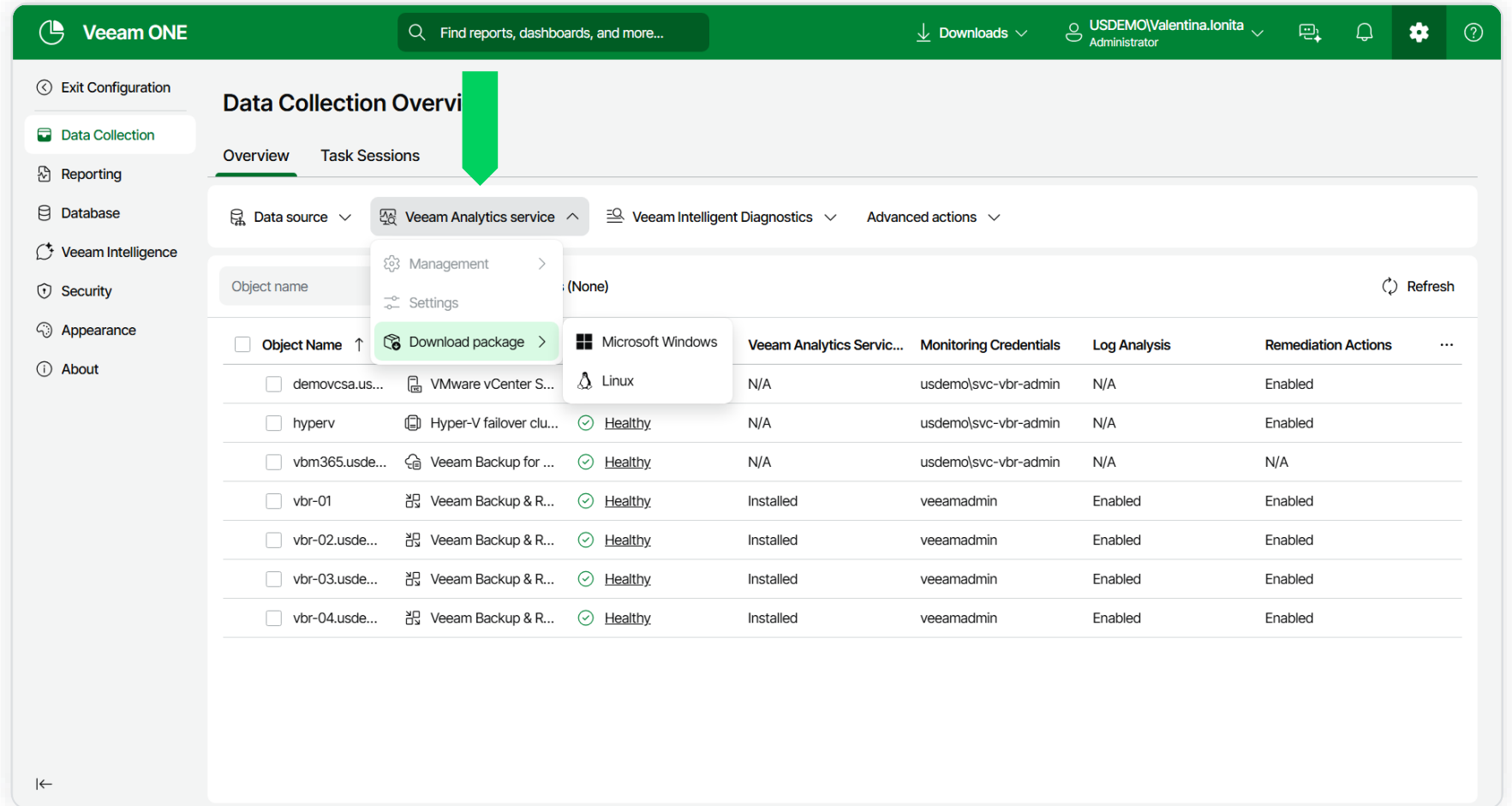
# Veeam ONE Web Client

## Veeam Analytics Service

Conecta o Veeam ONE aos servidores Veeam Backup & Replication para coleta de dados e diagnóstico

Oferece monitoramento proativo, análise de logs e solução automatizada de problemas

Pode ser instalado automaticamente durante a integração do servidor ou pode ser instalado manualmente



The screenshot displays the Veeam ONE Web Client interface. The top navigation bar is green and contains the Veeam ONE logo, a search bar, and user information (USDEMO\Valentina.Ionita Administrator). The left sidebar lists navigation options: Exit Configuration, Data Collection (highlighted), Reporting, Database, Veeam Intelligence, Security, Appearance, and About. The main content area is titled 'Data Collection Overview' and has two tabs: 'Overview' and 'Task Sessions'. A green arrow points to the 'Veeam Analytics service' dropdown menu, which is open, showing options: Management, Settings, and Download package. Below the dropdown is a table with columns: Object Name, Object Name, Data source, Health, Veeam Analytics Service, Monitoring Credentials, Log Analysis, and Remediation Actions. The table lists several data sources, including VMware vCenter S..., Hyper-V failover clu..., and Veeam Backup & R... for various objects like demovcsa.us..., hyperv, vbm365.usde..., vbr-01, vbr-02.usde..., vbr-03.usde..., and vbr-04.usde....

Object Name	Object Name	Data source	Health	Veeam Analytics Service	Monitoring Credentials	Log Analysis	Remediation Actions
<input type="checkbox"/>	demovcsa.us...	VMware vCenter S...		N/A	usdemo\svc-vbr-admin	N/A	Enabled
<input type="checkbox"/>	hyperv	Hyper-V failover clu...	Healthy	N/A	usdemo\svc-vbr-admin	N/A	Enabled
<input type="checkbox"/>	vbm365.usde...	Veeam Backup for ...	Healthy	N/A	usdemo\svc-vbr-admin	N/A	N/A
<input type="checkbox"/>	vbr-01	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled
<input type="checkbox"/>	vbr-02.usde...	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled
<input type="checkbox"/>	vbr-03.usde...	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled
<input type="checkbox"/>	vbr-04.usde...	Veeam Backup & R...	Healthy	Installed	veeamadmin	Enabled	Enabled

# Veeam ONE Web Client

## Reporting

O Logotipo personalizado da sua empresa pode ser usado nos relatórios

O Veeam ONE também permite uso de servidores Microsoft SQL Server Reporting Services (SSRS).

The screenshot displays the Veeam ONE Web Client interface. At the top, a green navigation bar contains the Veeam ONE logo, a search bar with the text "Find reports, dashboards, and more...", a "Downloads" dropdown, and a user profile for "USDEMO\Valentina.Ionita Administrator". A left sidebar lists navigation options: "Exit Configuration", "Data Collection", "Reporting" (highlighted), "Database", "Veeam Intelligence", "Security", "Appearance", and "About". The main content area is titled "Reporting" and features two configuration panels. The first panel, "Report branding", includes a "Custom report header image" input field with a "Browse..." button, a note about image cropping, and "Apply" and "Reset to default" buttons. The second panel, "Microsoft SQL Server Reporting Services (SSRS) server settings", has a checkbox for "Use SSRS server for generating reports", and input fields for "Server URL" (pre-filled with "https://servername:portnumber/virtualdirectory"), "Username" (pre-filled with "Type in username"), and "Password" (pre-filled with "Type in password"). "Save" and "Test connection" buttons are located at the bottom of this panel.

# Veeam ONE Web Client

## Reporting Database

Novo relatórios baseado em PostgreSQL, introduzido na versão 13 acelera a criação de relatórios e reduz a dependência da Microsoft.

Armazena dados históricos (*registros de proteção, auditorias, histórico de trabalho, faturamento, etc.*) para obter insights mais profundos.

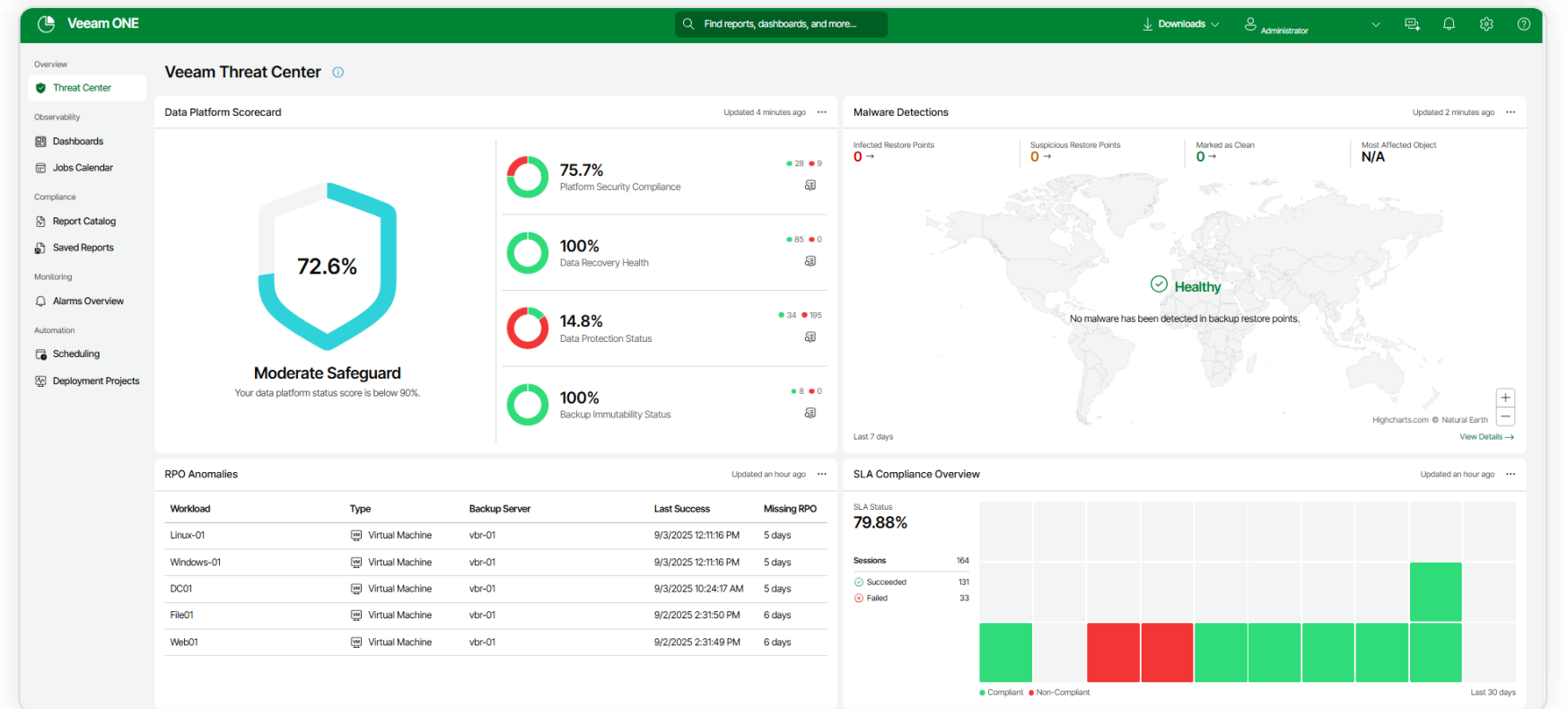
Fornecer relatórios de forecast e arquitetura escalável para ajudar no planejamento de crescimento a longo prazo

The screenshot displays the Veeam ONE Web Client interface. The top navigation bar is green and contains the Veeam ONE logo, a search bar with the text "Find reports, dashboards, and more...", a "Downloads" dropdown, and user information for "USDEMO\Valentina.Ionita Administrator". The left sidebar lists navigation options: Exit Configuration, Data Collection, Reporting, Database (highlighted), Veeam Intelligence, Security, Appearance, and About. The main content area is titled "Database" and has two tabs: "Reporting Database" (active) and "Retention Policy". Under "Reporting Database", there is a "PostgreSQL Server connection" section with input fields for "Server name" (localhost), "Database name" (VeeamONEWarehouse), and "Port" (5432). Below this, there are two radio button options for authentication: "Windows authentication credentials of the Veeam ONE service account" (selected) and "Native authentication with the following credentials:" (with fields for "Username" and "Password"). "Save" and "Test connection" buttons are at the bottom of this section. An "Information" section at the bottom shows "Connection status: Connected", "Database version: 17.6", and "Cache total size: 152 MB" with a "Clear cache" link.

# Veeam ONE Web Client

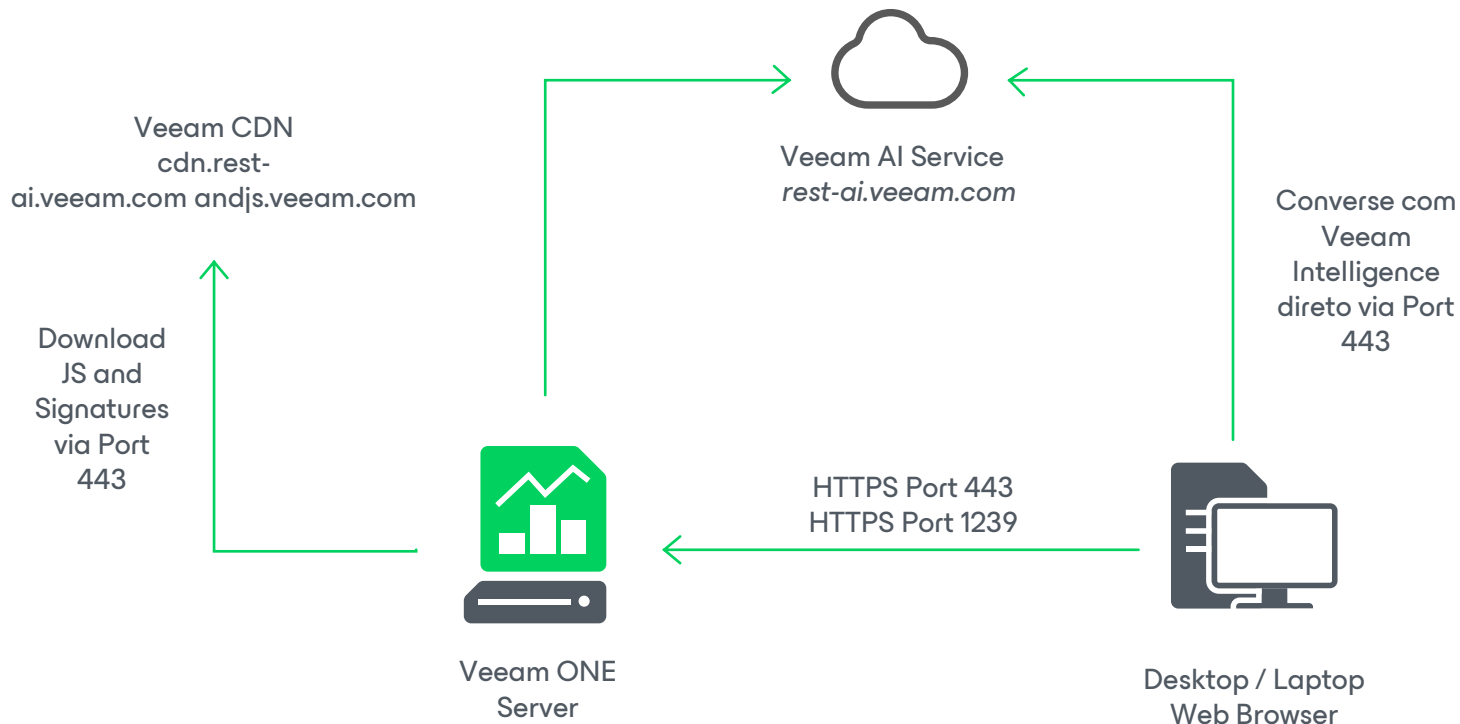
## Veeam Intelligence

O companheiro perfeito para obter recomendações e respostas em tempo real para dúvidas técnicas.



# Veeam ONE Web Client

## Veeam Intelligence



**Veeam Intelligence** ✕

Get real-time recommendations or answers to technical questions

Please provide me with instructions from the Veeam ONE Help Center on how to create a Workload Protection History report. Additionally, please explain the importance of this report in detail.

✓ Thinking process finished ➤

**How to Create a Workload Protection History Report in Veeam ONE**

To create a Workload Protection History report in Veeam ONE, follow these steps:

1. **Open the Veeam ONE Web Client** (formerly known as Veeam ONE Reporter).
2. Navigate to the **Reports** section.
3. Locate the **Workload Protection History** report. You can find it under the "Data Protection" or "Compliance" category, depending on your version.
4. Click on the report to open its configuration page.
5. **Configure the report scope:**
  - Select the workloads (VMs, computers, etc.) you want to include.
  - Set the desired time range for historical data.
  - Choose any additional filters or parameters as needed (such as backup job types, platforms, etc.).
6. **Customize columns and KPIs** (if available in your version) to tailor the report output to your needs.
7. Click **Generate** or **Run** to create the report.
8. Once generated, you can view, export, or schedule the report for regular delivery.

For detailed step-by-step instructions and screenshots, refer to the official Veeam ONE Help Center documentation:  
[👉 Workload Protection History Report Guide](#)

**Importance of the Workload Protection History Report**

The Workload Protection History report is a critical tool for organizations using Veeam

➤

# Veeam ONE Web Client

## Segurança

Gerenciador de credenciais – local central para armazenar e gerenciar contas que o Veeam ONE usa para se conectar de forma segura à infraestrutura e aos serviços.

As sessões de login podem ser personalizadas para otimizar o acesso ao Cliente Web.

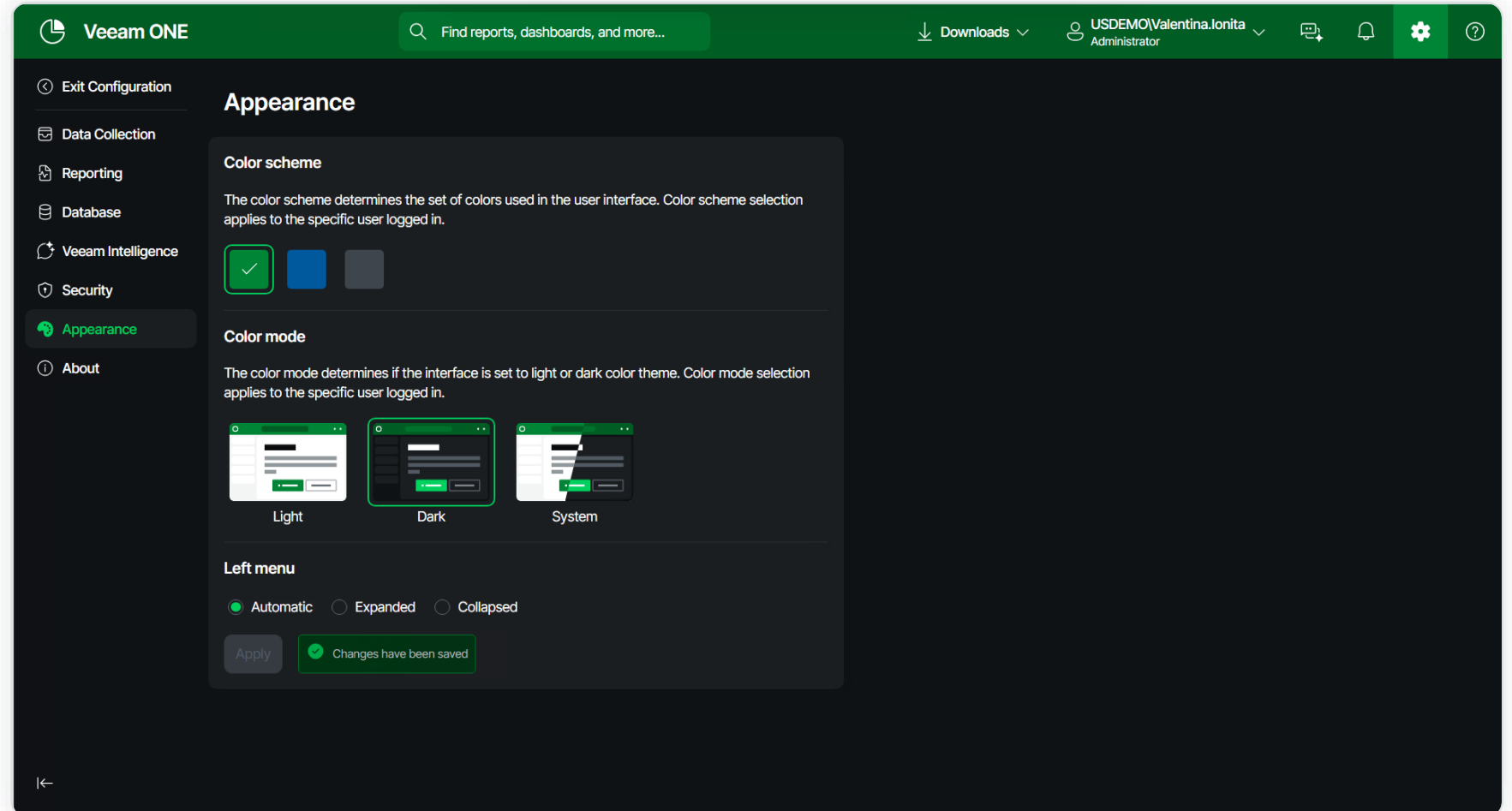
The screenshot shows the Veeam ONE web client interface. The top navigation bar is green and contains the Veeam ONE logo, a search bar, and user information (USDEMO\Valentina.Ionita Administrator). The left sidebar lists navigation options: Exit Configuration, Data Collection, Reporting, Database, Veeam Intelligence, Security (highlighted), Appearance, and About. The main content area is titled 'Security' and has two tabs: 'Credentials Manager' (active) and 'Login Sessions'. Below the tabs are three action buttons: '+ Add credentials', 'Edit credentials', and 'Delete credentials'. A search bar 'Find credentials by username...' is on the right. A table lists credentials with columns: Username, Description, Last Modified, Currently Assigned, and Type. The table contains seven rows of data.

Username ↑	Description	Last Modified	Currently Assigned	Type	...
	—	16 days ago	Unassigned	Standard account	
	—	28 days ago	Assigned	Standard account	
veeamadmin	—	28 days ago	Assigned	Standard account	
veeamadmin	vbr-02 veeamadmin	20 days ago	Assigned	Standard account	
veeamadmin	—	12 days ago	Unassigned	Standard account	
veeamadmin	veeamadmin vbr-03	8 days ago	Assigned	Standard account	
veeamadmin	veeamadmin vbr-04	8 days ago	Assigned	Standard account	

# Veeam ONE Web Client

## Nova Aparência

Dark Mode está disponível agora no cliente web.

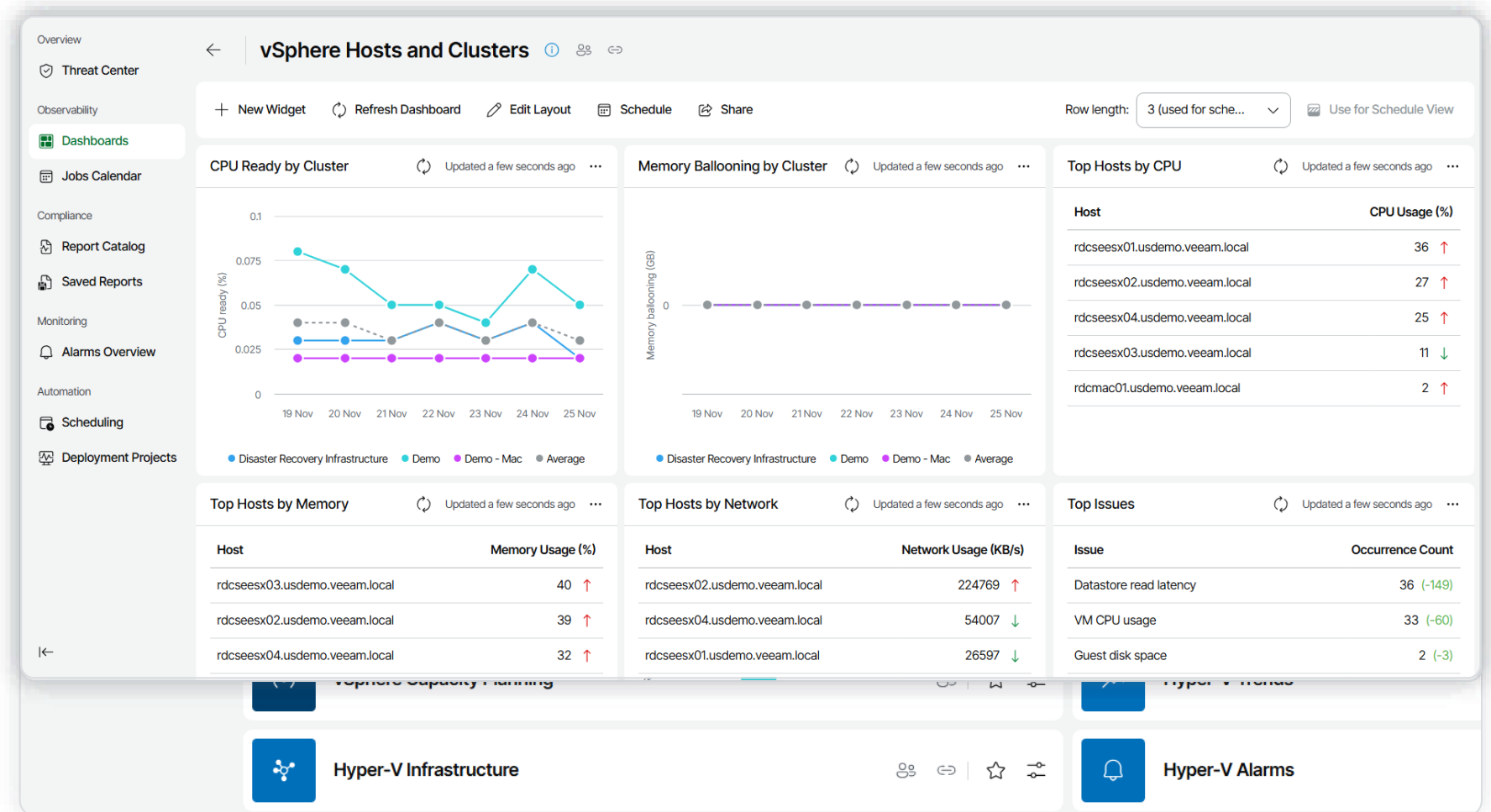


# Veeam ONE Web Client

## Dashboards

Contém dashboards tanto **pré-definidos** quanto customizados e definidos pelo usuário.

Veeam Back & Replication, Veeam Backup for M365 e Infraestrutura Virtual possuem dashboards **pré-definidos**.



# Veeam ONE Web Client

## Reports

Relatórios pré-definidos podem ser navegados ou pesquisados nos modelos Pré-configurados.

The screenshot displays the Veeam ONE Web Client interface, specifically the Report Catalog. The top navigation bar is green and contains the Veeam ONE logo, a search bar with the text "Find reports, dashboards, and more...", a "Downloads" dropdown, and the user profile "USDEMO\Valentina.Ionita Administrator".

The left sidebar is a navigation menu with the following categories and items:

- Overview
- Threat Center
- Observability
  - Dashboards
  - Jobs Calendar
- Compliance
  - Report Catalog** (highlighted)
  - Saved Reports
- Monitoring
  - Alarms Overview
- Automation
  - Scheduling
  - Deployment Projects

The main content area is titled "Report Catalog" and features a search bar "Filter by name..." and a "Tags (None)" filter. Below this, there is a grid of 12 report cards, each with a thumbnail image, a title, a description, and a list of supported platforms:

- Active Checkpoints**: Lists all VMs with their active checkpoints, highlighting the oldest and largest active checkpoint. Supported platforms: VMs, Datastores, Hyper-V.
- Active Snapshots**: Lists all VMs with their active snapshots, highlighting the oldest and largest active snapshots in... Supported platforms: VMs, VMware Cloud Director, Datastores, ...
- Agent Backup Job and Policy History**: Provides historical information for Veeam agent backup policies and jobs. Supported platforms: Microsoft Window...
- Alarms Current State Overview**: Shows all currently unresolved alarms for the virtual infrastructure. Supported platforms: vSphere, Audit, Alarms, Health State.
- Alarms Current State Overview**: Shows all currently unresolved alarms for the virtual infrastructure. Supported platforms: Audit, Alarms, Health State, Hyper-V.
- Alarms Overview**: Provides an overview of your virtual environment current health state that includes most common alarms and... Supported platforms: vSphere, Audit, Alarms, Health State.
- Alarms Overview**: Provides an overview of your virtual environment current health state that includes most common alarms and... Supported platforms: Audit, Alarms, Health State, Hyper-V.
- Backup Alarms Overview**: Provides an overview of your data protection health state that includes backup infrastructure alarms and most... Supported platforms: KVM, Proxmox VE, Nutanix AHV, Audit, Un...
- Backup Billing**: Provides chargeback capabilities for the backup infrastructure. Supported platforms: VMware vSphere,...
- Backup Billing**: Provides chargeback capabilities for the backup infrastructure. Supported platforms: Billing, Service Providers.
- Backup Copy Job**: Provides information on backup copy jobs including data transfer efficiency through WAN accelerators....
- Backup Infrastructure Assessment**: Helps you to assess your backup configuration and identify potential configuration improvements....
- Backup Infrastructure Audit**: Tracks configuration changes in your virtual environment, providing detailed information about every change...

# Veeam ONE Web Client

## Reports

Podemos visualizá-los sob demanda, salvá-los para uso posterior ou agendá-los.

The screenshot displays the Veeam ONE Web Client interface. The top navigation bar is green and contains the Veeam ONE logo, a search bar with the text "Find reports, dashboards, and more...", and user information for "USDEMO\Valentina.Ionita Administrator". A left sidebar lists various categories: Overview, Threat Center, Observability, Compliance, Monitoring, Automation, and Deployment Projects. The main area shows a grid of report cards, including "Performance Assessment", "Permissions by Object", "Powered Off VMs", "Protected Files and Object Storage", "Protected VMs (KVM Environments)", and "Protected VMs (Nutanix AHV)". A "Report Settings" modal window is open on the right, titled "Protected VMs". It includes a description: "This report lists protected and unprotected VMware vSphere and Microsoft Hyper-V VMs their last backup job status. Supported platforms: VMware vSphere, Microsoft Hyper-V, VMware Cloud Director." The "Scope" section has radio buttons for "Protected infrastructure" (selected), "Infrastructure objects", "VM folders", "VMware Cloud Director objects", and "Business View objects". The "RPO" is set to "24 Hours". The "VM exclusion rule" is "Exclusion rule". "Job types" is set to "All items". There are "Preview", "Save to", and "Schedule" buttons at the bottom of the modal.

# Veeam ONE Web Client

## Reports

Relatórios também podem ser usados para verificar a conformidade da infraestrutura com nossas melhores práticas ou estruturados em diferentes pastas de relatórios.

The screenshot displays the Veeam ONE Web Client interface. The top navigation bar includes the Veeam ONE logo, a search bar for reports and dashboards, and user information for USDEMO\Valentina.Ionita, Administrator. The main content area is a grid of report cards, each with a title, a small thumbnail, and a brief description. The reports include: Backup Infrastructure Custom Data, Backup Inventory, Backup Security & Compliance, Backup SLA Compliance (Veeam), Backups on Tape, Capacity Planning, Capacity Planning for Backup Repositories, and CDP SLA Compliance. The 'Backup Security & Compliance' report is highlighted, and a detailed view is shown on the right. This view includes the report title, a description, the infrastructure objects (Veeam Backup & Replication), and a list of best practices types. The 'Check result' section shows two items checked: 'Backup infrastructure security' and 'Product configuration'. At the bottom of the detailed view, there are buttons for 'Preview', 'Save to', and 'Schedule'.

# Veeam ONE Web Client

## Reports

Cada relatório terá uma visão geral na primeira página e a maioria deles apresentará mais informações sobre Jobs de Backup nas páginas seguintes.

The screenshot displays the Veeam ONE Web Client interface for the 'Backup Security & Compliance' report. The interface is organized into several sections:

- Navigation Sidebar:** Includes Overview, Threat Center, Observability (Dashboards, Jobs Calendar), Compliance (Report Catalog, Saved Reports), Monitoring (Alarms Overview), and Automation (Scheduling, Deployment Projects).
- Header:** Veeam ONE logo, search bar, Downloads, user profile (USDEMO\Valentina.Ionita Administrator), and server time (America/Los\_Angeles (UTC-7)).
- Report Title:** Backup Security & Compliance.
- Summary:** Data as of 10/1/2025 1:55:14 AM. Refresh now.
- Report Parameters:** Infrastructure objects: Veeam Backup & Replication; Best practices types: All items; Check result: All items.
- Backup Server Security & Compliance Status:** A pie chart showing 4 Not implemented items, 0 Unable to detect, 0 Passed, and 0 Other.
- Missed Security & Compliance Checks:** A pie chart showing 40 Not implemented items, 0 Unable to detect, 0 Not checked, and 0 Suppressed.
- Security & Compliance Last Check:** A pie chart showing 0 Not implemented, 0 Unable to detect, 0 Passed, and 0 Other.
- Data Table:** A table summarizing the report data.

Category	Count
Total backup servers:	4
Passed:	0
Not implemented:	4
Unable to detect:	0
Other:	0
Missed Security & Compliance Checks	
Unable to detect:	0
Not implemented:	40
Suppressed:	0
Not checked:	0

# Veeam ONE Web Client

## Reports

Na visualização de relatórios, você pode verificar os detalhes e personalizar seus relatórios antes de baixá-los.

Você pode usar filtros e remover colunas até que os dados atendam aos seus requisitos no seu relatório.

The screenshot displays the Veeam ONE Web Client interface. The top navigation bar is green and contains the Veeam ONE logo, a search bar, and user information (USDEMO\Valentina.Ionita Administrator). The left sidebar lists various sections: Overview, Threat Center, Observability (Dashboards, Jobs Calendar), Compliance (Report Catalog, Saved Reports), Monitoring (Alarms Overview), Automation (Scheduling, Deployment Projects), and a home icon. The main content area is titled 'Backup Security & Compliance' and shows a report overview. The 'Report Data' button is highlighted with a green arrow. The 'Overview' table has columns for Group, Backup Server, Security & Compliance Last Check, Backup Infrastructure Security Best Practices, Product Configuration Best Practices, and Best Practices Supp. The 'Details' table has columns for Group, Backup Server, Best Practice Name, Best Practice Check Result, and Recommendation. The 'Download' button and the 'Columns' menu are also highlighted with green arrows.

Group	Backup Server	Security & Compliance Last Check	Backup Infrastructure Security Best Practices	Product Configuration Best Practices	Best Practices Supp
Not implemented	vbr-01	9/30/2025 3:00 PM	13 of 14	14 of 23	
Not implemented	vbr-02.usdemo.v...	9/30/2025 7:54 PM	13 of 14	14 of 23	
Not implemented	vbr-03.usdemo.v...	9/30/2025 3:00 PM	13 of 14	14 of 23	
Not implemented	vbr-04.usdemo.v...	9/30/2025 3:00 PM	13 of 14	14 of 23	

Group	Backup Server	Best Practice Name	Best Practice Check Result	Recommendation
> vbr-01	vbr-01			
> vbr-02.usdemo.veeam.local	vbr-02.usdemo.veeam.local			
> vbr-03.usdemo.veeam.local	vbr-03.usdemo.veeam.local			
> vbr-04.usdemo.veeam.local	vbr-04.usdemo.veeam.local			

# Veeam ONE Web Client

## Scheduling

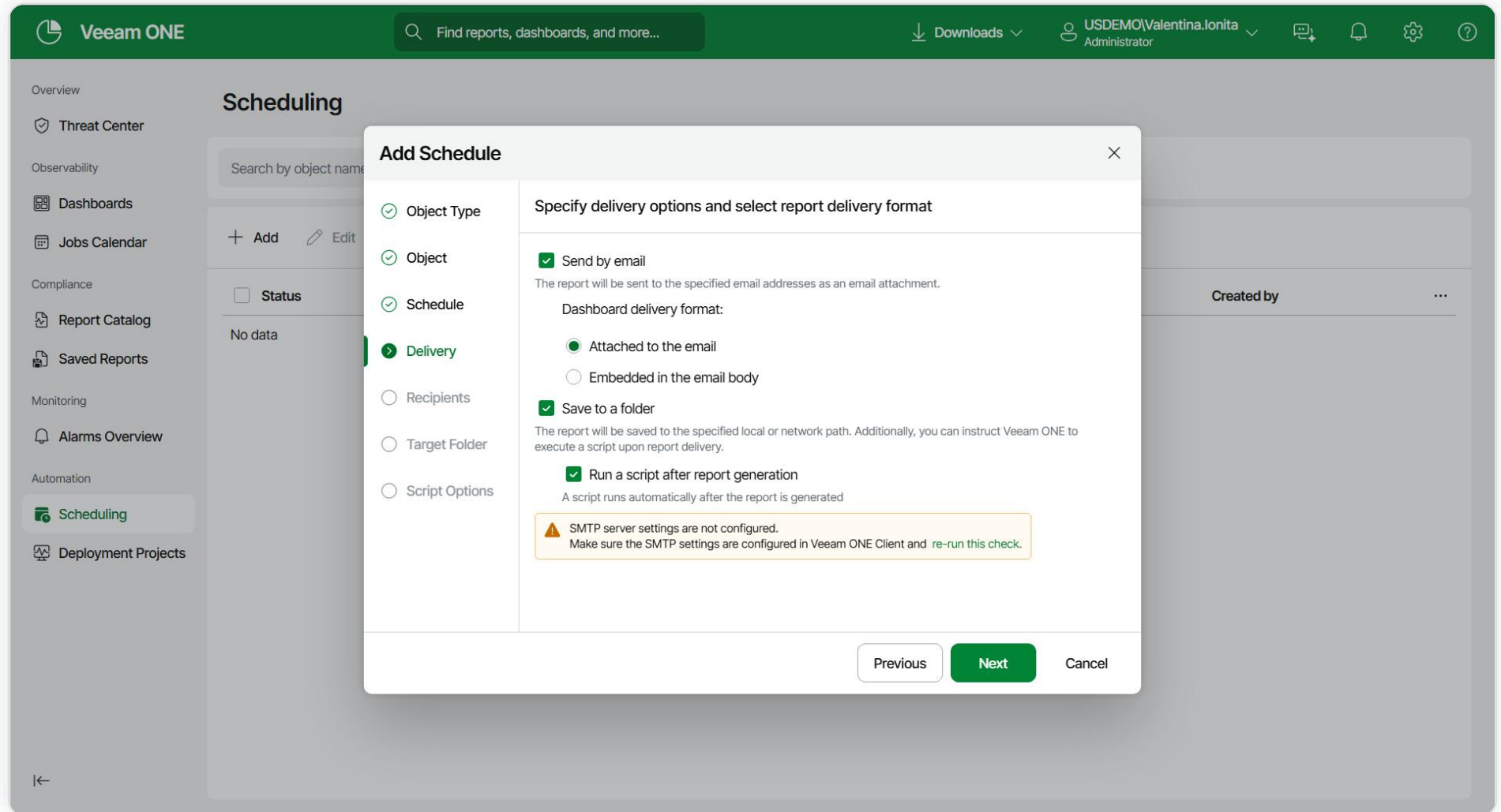
Dashboards, Pastas de relatórios e relatórios podem ser todos agendados.

The screenshot displays the Veeam ONE web client interface. The top navigation bar is green with the Veeam ONE logo, a search bar, and user information (USDEMO\Valentina.Ionita Administrator). The left sidebar shows a navigation menu with categories like Overview, Observability, Compliance, Monitoring, and Automation. The main content area is titled 'Scheduling' and features a search bar, '+ Add' and 'Edit' buttons, and a 'Status' section with 'No data'. A modal window titled 'Add Schedule' is open, showing a list of configuration steps: Object Type, Object, Schedule (selected), Delivery, Recipients, Target Folder, and Script Options. The 'Configure scheduling settings' section includes options for 'Periodically every' (24 Hours), 'Daily at' (09:00 AM, All days), and 'Monthly' (Start at: 09:00 AM, Months: January, February, March, April, ...). There are also radio buttons for 'Days' (1) and 'On' (First, Sunday). A checkbox for 'Disable schedule upon creation' is at the bottom. Navigation buttons 'Previous', 'Next', and 'Cancel' are at the bottom right of the modal.

# Veeam ONE Web Client

## Scheduling

Elas podem ser enviados por e-mail ou armazenados em uma pasta ou compartilhamento de rede.



# Veeam ONE Web Client

## Scheduling

Scripts também podem ser executados após o armazenamento de um objeto como parte de alguma automação.

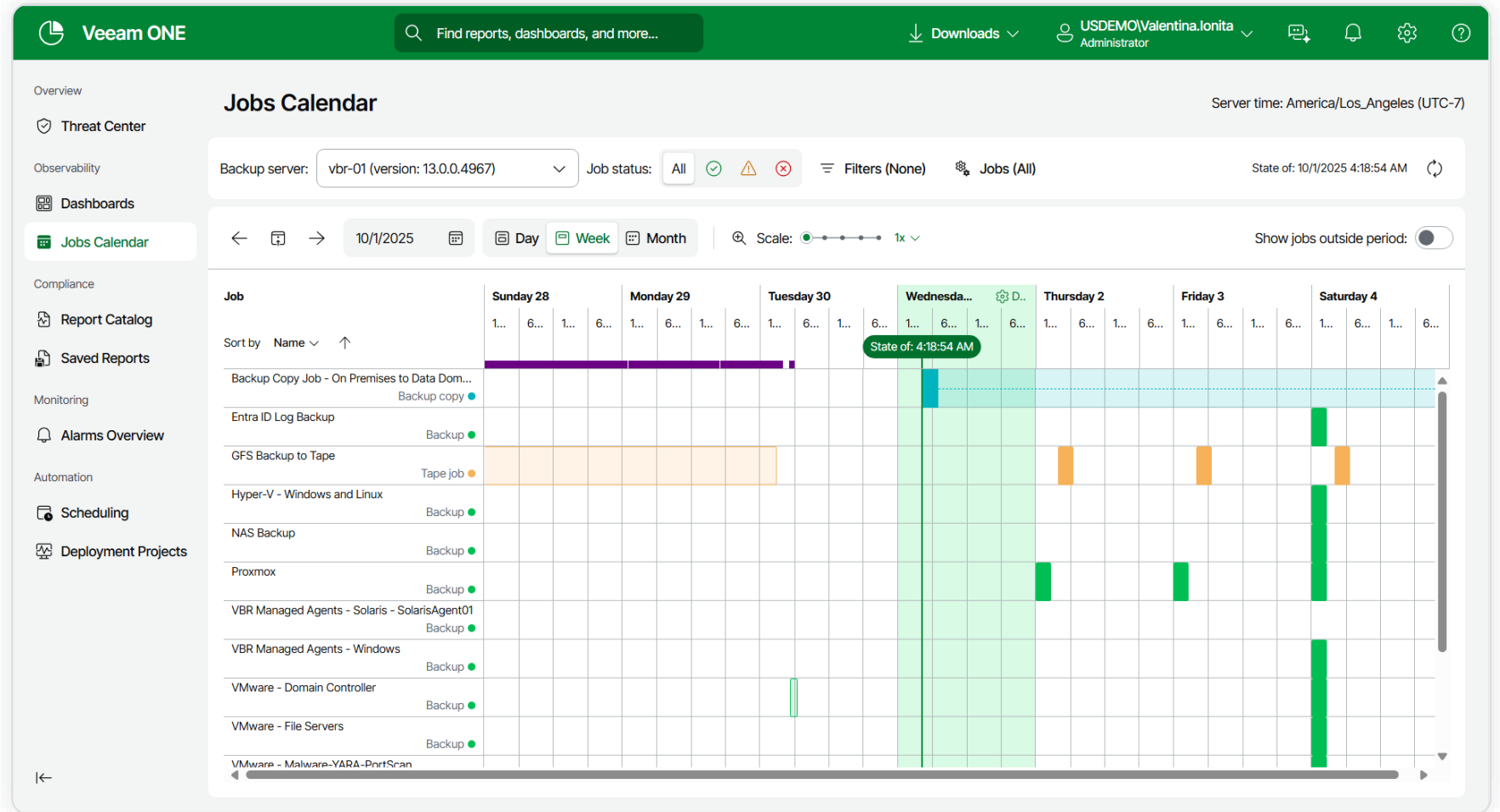
The screenshot shows the Veeam ONE Web Client interface. The top navigation bar is green and contains the Veeam ONE logo, a search bar, and user information (USDEMO\Valentina.Ionita Administrator). The left sidebar lists various modules: Overview, Threat Center, Observability (Dashboards, Jobs Calendar), Compliance (Report Catalog, Saved Reports), Monitoring (Alarms Overview), and Automation (Scheduling, Deployment Projects). The main content area is titled 'Scheduling' and features a search bar and a '+ Add' button. A modal dialog box titled 'Add Schedule' is open, showing a list of configuration steps on the left: Object Type, Object, Schedule, Delivery, Recipients, Target Folder, and Script Options (which is currently selected). The right side of the dialog is titled 'Specify custom script location and credentials' and contains a text input field for the script path (pre-filled with 'C:\script.bat or \\server\folder\script.bat'), a checkbox for 'Use different credentials with write access:', and a dropdown menu for selecting credentials. At the bottom of the dialog are 'Previous', 'Finish', and 'Cancel' buttons. Below the dialog, there is a table with a 'Created by' column.

# Veeam ONE Web Client

## Jobs Calendar

Esse recurso permitirá que os usuários tenham uma visão geral de todos os Jobs processados pelo servidor de backup.

Além do horário de início, também podemos verificar as durações e agendar de acordo com o futuro para evitar execuções simultâneas de trabalho.



# Veeam ONE Web Client

## Deployment Projects

Os usuários podem verificar suas capacidades atuais de modificar o ambiente virtual atual simulando diferentes cenários.

The screenshot displays the Veeam ONE Web Client interface. The top header is green and contains the Veeam ONE logo, a search bar, and user information (USDEMO\Valentina.Ionita Administrator). The left sidebar lists various navigation options: Overview, Threat Center, Observability (Dashboards, Jobs Calendar), Compliance (Report Catalog, Saved Reports), Monitoring (Alarms Overview), and Automation (Scheduling, Deployment Projects). The main content area is titled "Deployment Projects" and features a search bar, filter dropdowns for "State" (All) and "Status" (All), and a toolbar with actions like Add, Edit, Delete, Calculate, View Report, Complete, and Thresholds. Below the toolbar is a table with columns for Name, Status, Due Date, Created, Completed, and Description. The table contains 8 rows of data, with the first row selected. The status icons are: green checkmark, red X, green checkmark, yellow triangle, red X, and yellow triangle.

<input type="checkbox"/> Name ↑	Status	Due Date	Created	Completed	Description	...
Selected: 0 of 8						
<input type="checkbox"/> Capacity	To be calculated	10/1/2025 12:00:00 AM	9/30/2025 7:46:30 AM	—	—	
<input type="checkbox"/> Namport-01	Not passed	9/26/2025 12:00:00 AM	9/25/2025 6:15:40 AM	—	—	
<input type="checkbox"/> neuer host	Passed successfully	9/23/2025 12:00:00 AM	9/22/2025 5:02:26 AM	—	—	
<input type="checkbox"/> prueba	Passed with warnings	9/18/2025 12:00:00 AM	9/17/2025 7:10:00 AM	—	—	
<input type="checkbox"/> test	To be recalculated	9/26/2025 12:00:00 AM	9/25/2025 2:22:03 AM	—	—	
<input type="checkbox"/> Test-EPX-01	Not passed	10/1/2025 12:00:00 AM	9/30/2025 4:50:22 AM	—	—	
<input type="checkbox"/> Test-Halan-01	Passed with warnings	10/2/2025 12:00:00 AM	10/1/2025 3:18:54 AM	—	—	
<input type="checkbox"/> VM Deployment	Not passed	9/19/2025 12:00:00 AM	9/18/2025 12:47:52 PM	—	—	

# Veeam ONE Web Client

## Deployment Projects

Os usuários podem verificar suas capacidades atuais de modificar o ambiente virtual atual simulando diferentes cenários.

Testes podem mirar em diferentes clusters ou hosts independentes.

The screenshot displays the Veeam ONE Web Client interface. The main header is green with the Veeam ONE logo and a search bar. The user is logged in as 'USDEMO\Valentina.Ionita Administrator'. The left sidebar contains navigation options like 'Overview', 'Threat Center', 'Dashboards', 'Jobs Calendar', 'Report Catalog', 'Saved Reports', 'Alarms Overview', and 'Deployment Projects'. The main content area shows 'Deployment Projects' with a list of projects. A modal dialog titled 'Edit Deployment Project' is open, showing the 'Infrastructure' tab. It allows selecting a cluster or standalone host for workload placement. The 'Clusters and hosts' section shows a tree view with 'Disaster Recovery Infrastructure' selected. The 'Datastores (optional)' section shows two selected datastores. The 'Finish' button is highlighted in green.

# Veeam ONE Web Client

## Deployment Projects

Os usuários podem verificar suas capacidades atuais de modificar o ambiente virtual atual simulando diferentes cenários.

Testes podem mirar em diferentes clusters ou hosts independentes.

Simulações incluem a adição ou eliminação de VMs ou Hosts.

The screenshot displays the Veeam ONE Web Client interface. The main window shows the 'Deployment Projects' section, with a sidebar containing navigation options such as Overview, Threat Center, Observability, Dashboards, Jobs Calendar, Compliance, Report Catalog, Saved Reports, Monitoring, Alarms Overview, and Automation. The 'Edit Deployment Project' dialog box is open, allowing users to define changes in the selected infrastructure for modeling. The dialog includes a table with columns for Type, Name, Action, and Count. The table shows two entries: a Host named 'Test\_Host' with an 'Add' action and a count of 1, and a Virtual machine named 'vm' with an 'Add' action and a count of 1. The dialog also features buttons for 'Previous', 'Finish', and 'Cancel'.

Type	Name	Action	Count
<input checked="" type="checkbox"/>	Host Test_Host	Add	1
<input type="checkbox"/>	Virtual machine vm	Add	1

# Veeam ONE Web Client

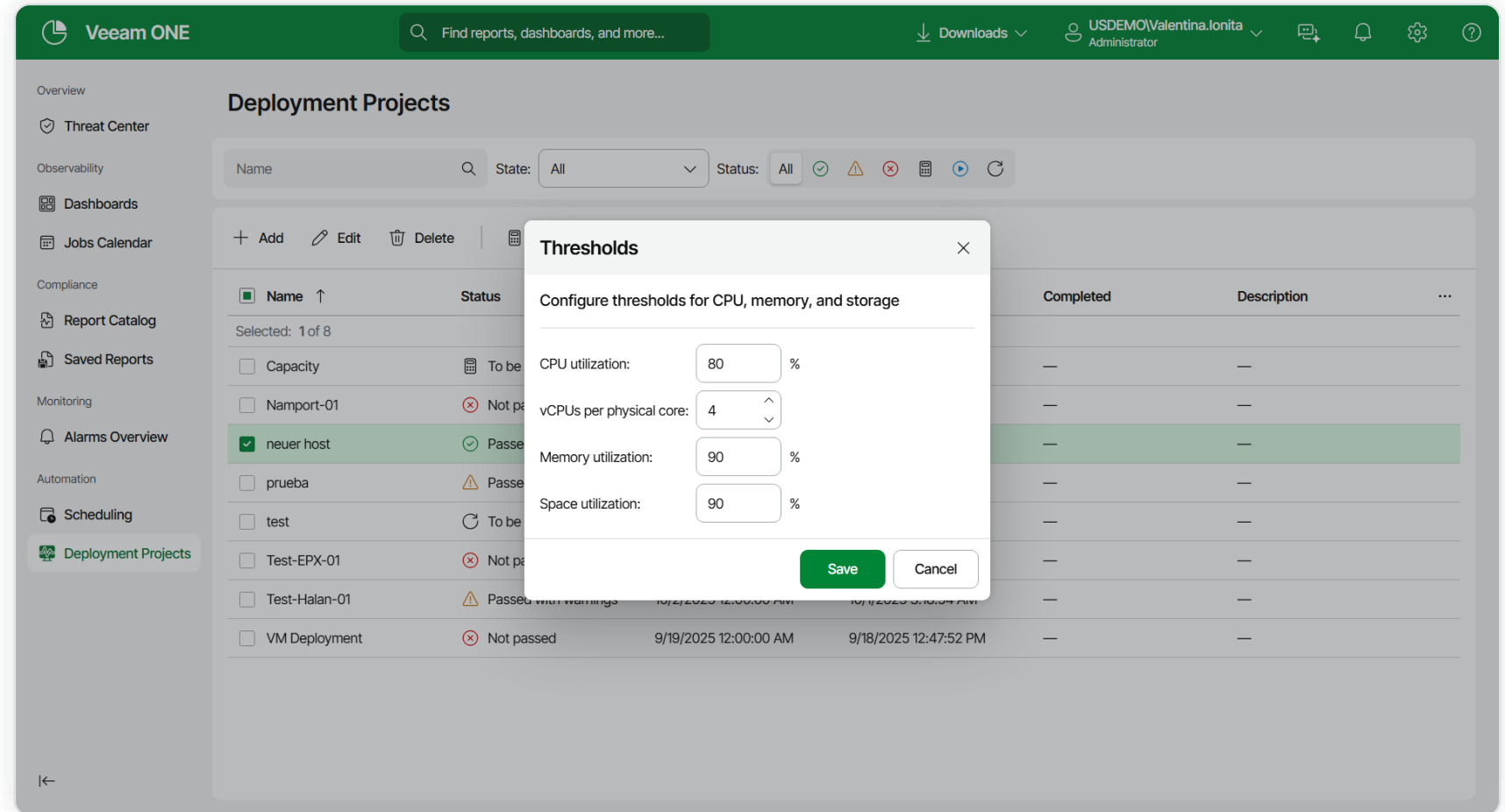
## Deployment Projects

Os usuários podem verificar suas capacidades atuais de modificar o ambiente virtual atual simulando diferentes cenários.

Testes podem mirar em diferentes clusters ou hosts independentes.

Simulações incluem a adição ou eliminação de VMs ou hosts.

Após a definição de valores, podemos calcular e visualizar o relatório da simulação.



The screenshot displays the Veeam ONE Web Client interface. The top navigation bar includes the Veeam ONE logo, a search bar, and user information (USDEMO\Valentina.Ionita, Administrator). The left sidebar contains various navigation options: Overview, Threat Center, Observability (Dashboards, Jobs Calendar), Compliance (Report Catalog, Saved Reports), Monitoring (Alarms Overview), and Automation (Scheduling, Deployment Projects). The main content area is titled 'Deployment Projects' and features a table with columns for Name, Status, Completed, and Description. A modal dialog box titled 'Thresholds' is open, allowing users to configure thresholds for CPU, memory, and storage. The dialog includes input fields for CPU utilization (80%), vCPUs per physical core (4), Memory utilization (90%), and Space utilization (90%). The 'Save' button is highlighted in green.

Name	Status	Completed	Description
Capacity	To be	—	—
Namport-01	Not passed	—	—
neuer host	Passed	—	—
prueba	Passed with warnings	—	—
test	To be	—	—
Test-EPX-01	Not passed	—	—
Test-Halan-01	Passed with warnings	—	—
VM Deployment	Not passed	—	—

# Veeam ONE Web Client

## Deployment Projects

Os usuários podem verificar suas capacidades atuais de modificar o ambiente virtual atual simulando diferentes cenários.

Testes podem mirar em diferentes clusters ou hosts independentes.

Simulações incluem a adição ou eliminação de VMs ou hosts.

Após a definição de valores, podemos calcular e visualizar o relatório da simulação.

The screenshot displays the Veeam ONE Web Client interface for 'Deployment Scenarios Modelling'. It includes a description, report parameters, and project details.

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

**Report Parameters**

Deployment project name: Test\_VM  
Calculation result: Passed with warnings

**Hosts and clusters:** Demo  
**Datstores:** Not Selected  
**Due Date:** 10/2/2025 12:00:00 AM  
**Created:** 10/1/2025 7:49:09 AM  
**Pending Projects:** Test-Halan-01  
**CPU utilization threshold:** 80.00%  
**vCPUs per physical core:** 4  
**Memory utilization threshold:** 90.00%  
**Space utilization threshold:** 90.00%

**Project Details**

Action	Name	Number	CPU (GHz)	vCPU/Core Count	Memory Allocated /Used (GB)	Storage (GB)	Disk Count
Add	Test_VM	1	2.00	4	8.00 / 8.00	0.00	0

**Total Scope Power**

Current			By Pending Projects (With Current Resource Usage)		
CPU (GHz)	Core Count	Memory (GB)	CPU (GHz)	Core Count	Memory (GB)
640.00	256	8190.10	640.00	256	8190.10

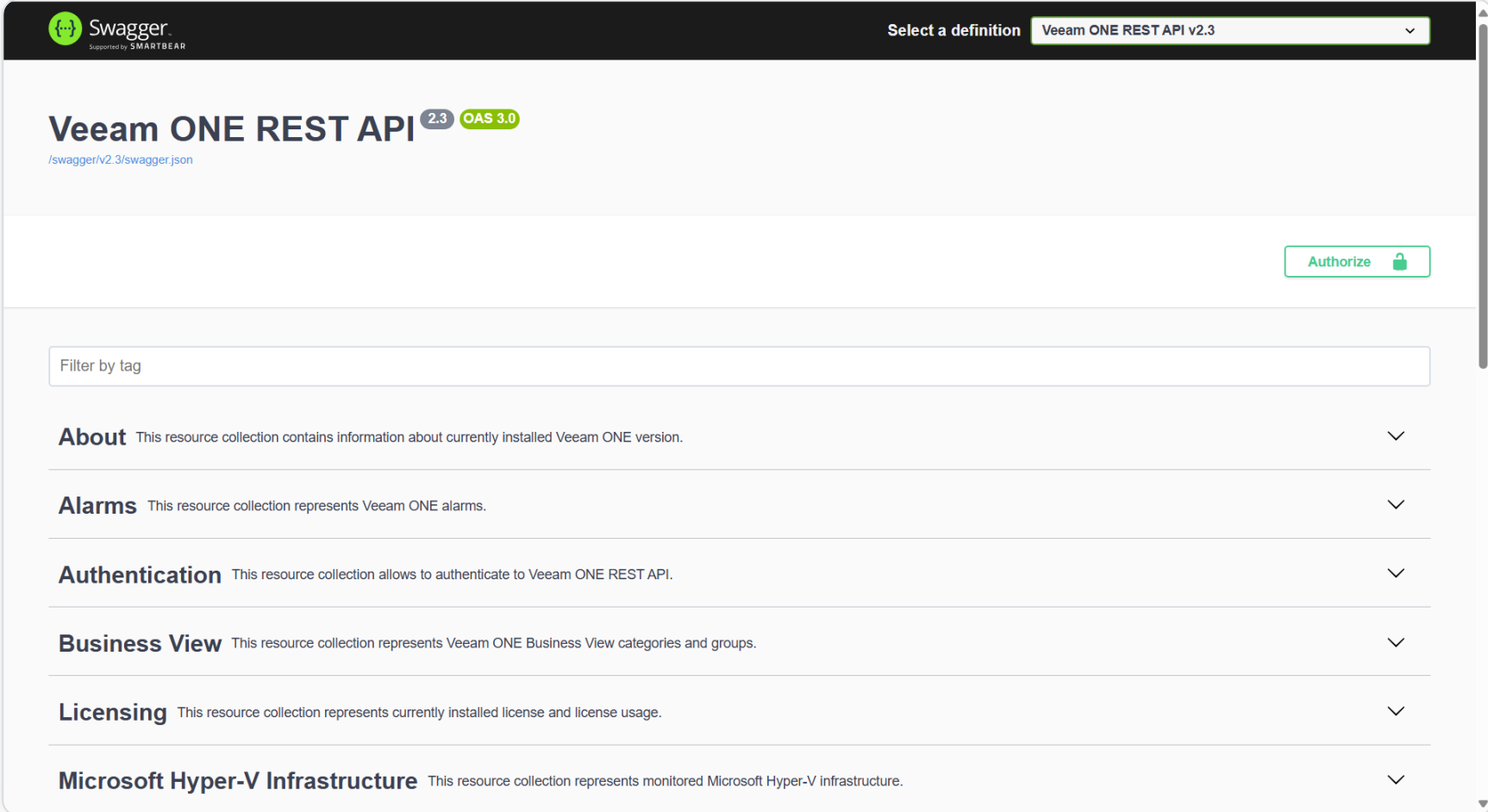
Report created: 10/1/2025 7:49:31 AM ((UTC-08:00) Pacific Time (US & Canada)) Page: 1 of 3

# Veeam ONE Web Client

## REST API

O Veeam ONE expõe suas entidades por meio de uma interface de programação de aplicações (API) baseada no estilo de arquitetura Representational State Transfer (REST).

A API Veeam ONE REST depende do modelo cliente-servidor e está disponível adicionalmente por meio do **Swagger UI**, uma ferramenta que você pode usar para avaliar e explorar suas capacidades.



The screenshot displays the Swagger UI interface for the Veeam ONE REST API. At the top, the Swagger logo is visible, along with the text "Supported by SMARTBEAR". A dropdown menu in the top right corner is set to "Veeam ONE REST API v2.3". The main heading is "Veeam ONE REST API" with version tags "2.3" and "OAS 3.0". Below the heading, there is a link to the swagger.json file: "/swagger/v2.3/swagger.json". An "Authorize" button with a lock icon is located in the top right corner. A search bar labeled "Filter by tag" is positioned below the header. The main content area lists several API resource collections, each with a title, a brief description, and a downward arrow icon:

- About**: This resource collection contains information about currently installed Veeam ONE version.
- Alarms**: This resource collection represents Veeam ONE alarms.
- Authentication**: This resource collection allows to authenticate to Veeam ONE REST API.
- Business View**: This resource collection represents Veeam ONE Business View categories and groups.
- Licensing**: This resource collection represents currently installed license and license usage.
- Microsoft Hyper-V Infrastructure**: This resource collection represents monitored Microsoft Hyper-V infrastructure.

# Veeam ONE Web Client

## REST API

Cada entidade exposta à API REST do Veeam possui um recurso que a representa.

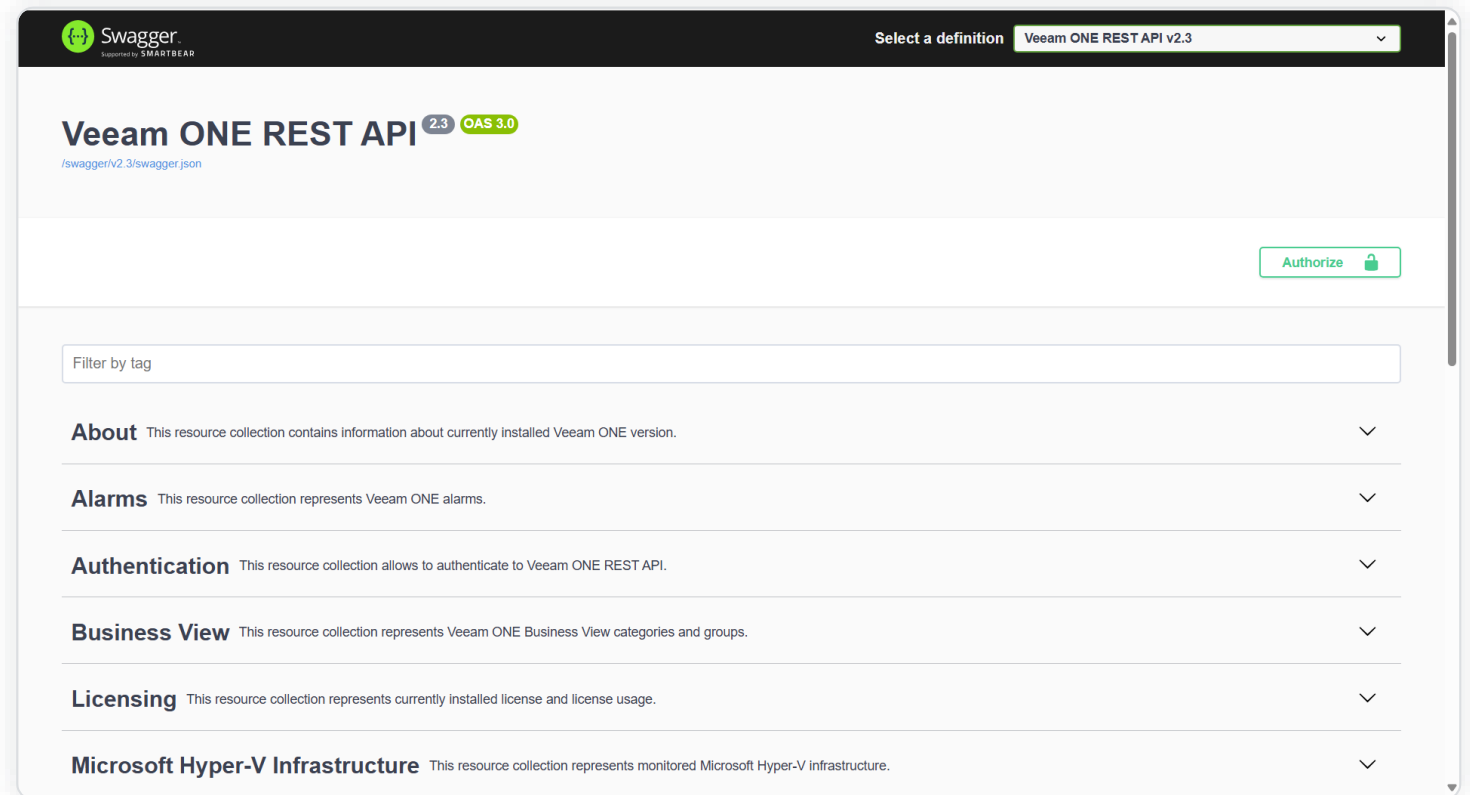
### Formato:

`https://<hostname>:<port>/api/<version>`

- Default port: 1239
- Current Version: 2.3

### Example:

<https://one-srv:1239/api/v2.3/sessions>




The screenshot displays the Swagger UI for the Veeam ONE REST API. At the top, the Swagger logo is visible on the left, and a dropdown menu on the right is set to "Veeam ONE REST API v2.3". The main heading is "Veeam ONE REST API" with version tags "2.3" and "OAS 3.0" next to it. Below the heading, the URL "/swagger/v2.3/swagger.json" is shown. An "Authorize" button with a lock icon is located in the top right corner. A search bar labeled "Filter by tag" is positioned below the header. The main content area lists several API resource collections, each with a title, a brief description, and a downward-pointing chevron icon:


- About**: This resource collection contains information about currently installed Veeam ONE version.
- Alarms**: This resource collection represents Veeam ONE alarms.
- Authentication**: This resource collection allows to authenticate to Veeam ONE REST API.
- Business View**: This resource collection represents Veeam ONE Business View categories and groups.
- Licensing**: This resource collection represents currently installed license and license usage.
- Microsoft Hyper-V Infrastructure**: This resource collection represents monitored Microsoft Hyper-V infrastructure.


# Recursos Adicionais


The background features a gradient from dark blue on the left to light green on the right. It is decorated with several sets of thin, white, wavy lines that create a sense of motion and depth. The text 'Recursos Adicionais' is centered in a clean, white, sans-serif font.


# Quer uma experiência prática?


 **Test Drive Veeam One Reporting & Threat Center**


 **Test Drive MongoDB backup with Veeam Data**

 **Test Drive Veeam Backup for Oracle KVM**

 **Veeam Data Cloud for M365: Overview**

 **Veeam Data Cloud for Microsoft Azure: Overview**


 **Test drive Veeam Kasten for Kubernetes**

 **Recovery Orchestration and Data Mobility to Microsoft Azure with Veeam**

Learn how to achieve disaster recovery orchestration into cloud with Veeam Recovery Orchestrator. The focused topics include Automate recovery from on-premises to Azure as well as data mobility from onpremises to Azure. Based on Veeam Recovery Orchestrator v7.0.

**Product:** Veeam Recovery Orchestrator  
**Use Cases:** Data Recovery  
**Technical Level:** Intermediate


**REQUEST LAB**

 **Test drive Veeam Backup for Azure**

In this lab, you will learn the steps required to setup & configure a Veeam Backup *for Azure* appliance to protect & recover your Azure cloud workloads such as Azure VMs, Azure SQL databases and Azure files.

**Product:** Veeam Backup *for Azure*  
**Use Cases:** Data Freedom, Data Recovery, Data Security  
**Technical Level:** Intermediate

**REQUEST LAB**

 **Enterprise Level Disaster Recovery Orchestration with Veeam**

Learn how achieve enterprise level Disaster Recovery Orchestration with Veeam Recovery Orchestration solution. Topics include automated DR documentation, verify SLA, build a platinum level recovery plan, execute a automated DR failover & test, automate recovery from on-premises to Microsoft Azure. Based on Veeam Recovery Orchestration v7.0.

**Product:** Veeam Recovery Orchestrator  
**Use Cases:** Data Recovery  
**Technical Level:** Intermediate

**REQUEST LAB**



<https://go.veeam.com/hands-on-lab-experience#renewal>

# Veeam Certified Engineer (VMCE)

- Instrutor ou Sob-demanda (On-Demand)
- Disponível em mais de 100 países
- Teoria e Laboratórios práticos.
- Veeam University Pro: <http://vee.am/Gdg4Gwq>

# Recursos Adicionais

- On-Demand Training — <http://vee.am/VeeamUniversity>
- Calculators — <https://www.veeam.com/calculators>
- Help Center — <https://vee.am/5mylXwq>
- Best Practices — <https://bp.veeam.com/vbr/>
- KB: Security — [https://vee.am/uF\\_UZwq](https://vee.am/uF_UZwq)
- R&D Forums — <https://forums.veeam.com/>
- Community Resource Hub — <https://community.veeam.com/>



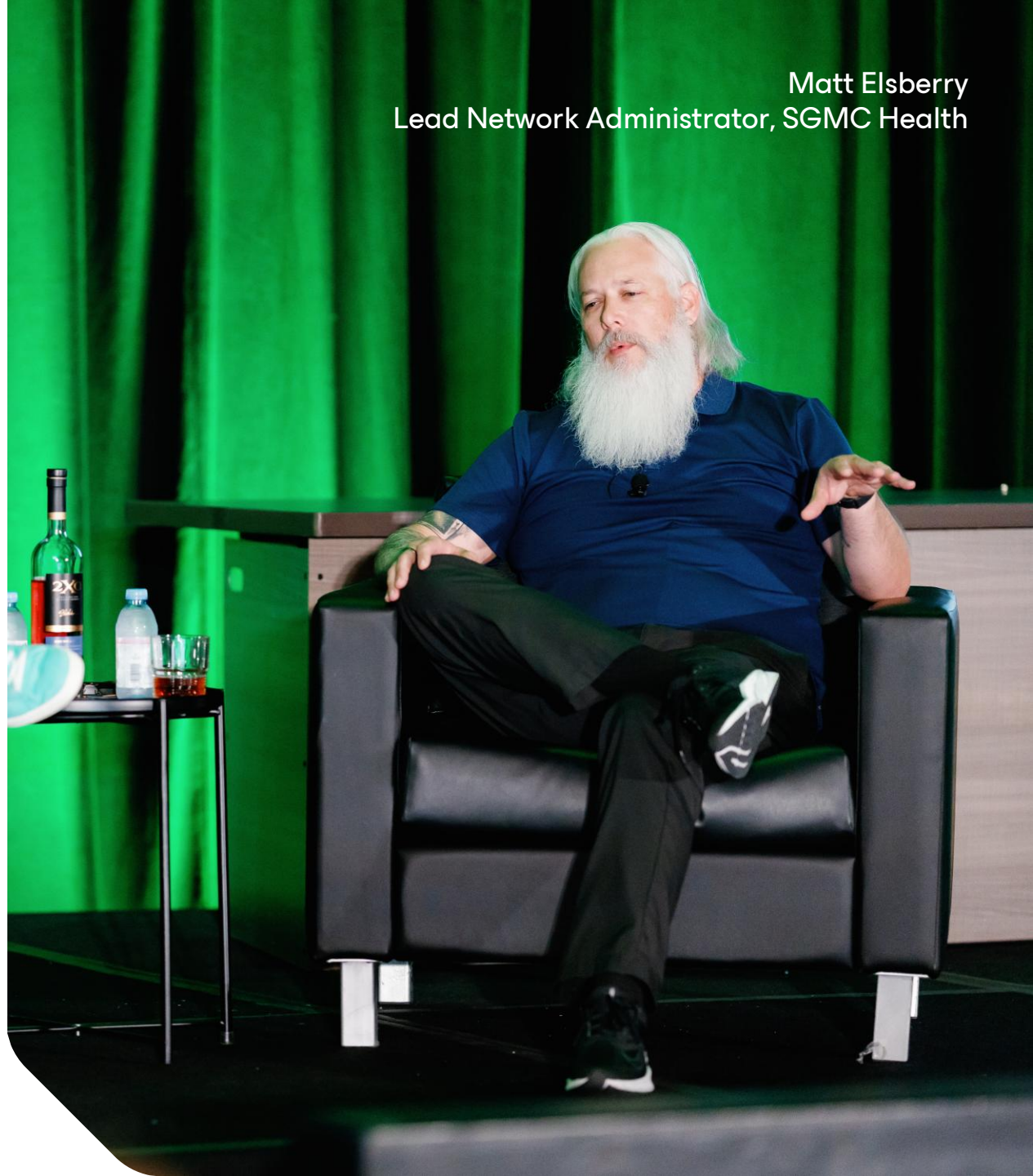
# Compartilhe sua história de sucesso com a Veeam

- Destaque em nosso site e redes sociais
- Oportunidades de palestras na VeeamON
- Mostre sua expertise dentro da comunidade
- Receba os PARABÉNS pelas suas conquistas.

**Interessado?**  
**Entre em contato conosco em**

[advocacy@veeam.com](mailto:advocacy@veeam.com)

Matt Elsberry  
Lead Network Administrator, SGMC Health





**Thank you!**