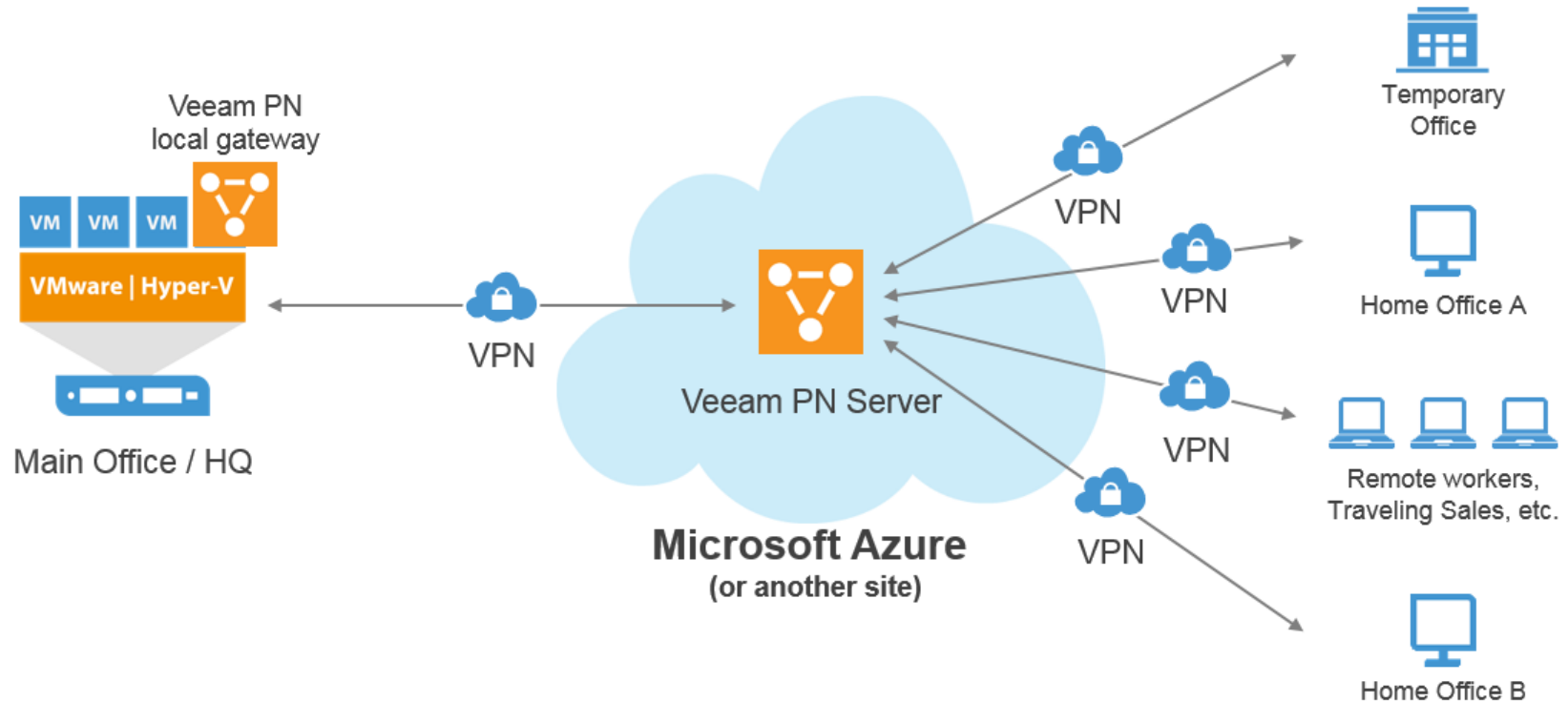


News from VeeamON 2017

Session 1

Veeam Powered Network

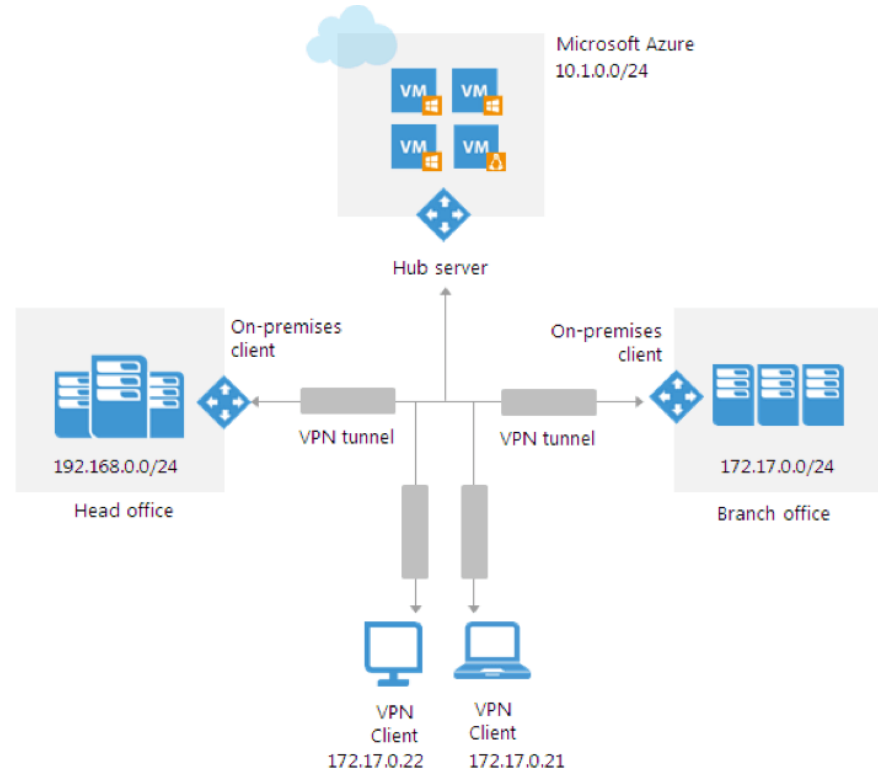
Veeam PN (Powered Network)



Veeam PN (Powered Network)

Use cases

- Connectivity with workloads in Microsoft Azure
- Connectivity for remote-sites and remote-users
- Complete Replication failover, remote-sites network connectivity



Veeam PN (Powered Network)

- Based on OpenVPN technology
- Available:
 - Microsoft Azure Market Place
 - On-Premises as OVA
- Price-point / Licensing??

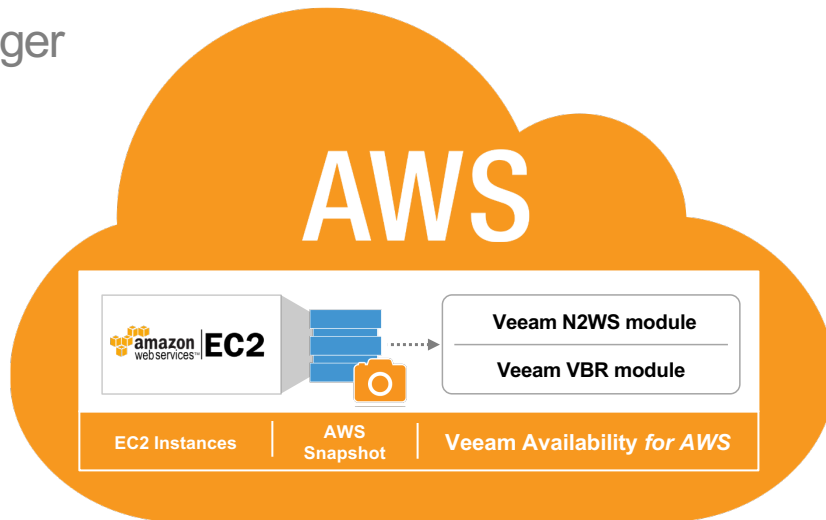
Veeam PN is absolutely free!!!

Veeam Availability *for* AWS

Veeam Availability *for AWS*

Includes N2WS Cloud Protection Manager

- **Cloud-native, agentless backup and recovery** using native AWS snapshots



Veeam Availability *for AWS*

Includes N2WS Cloud Protection Manager

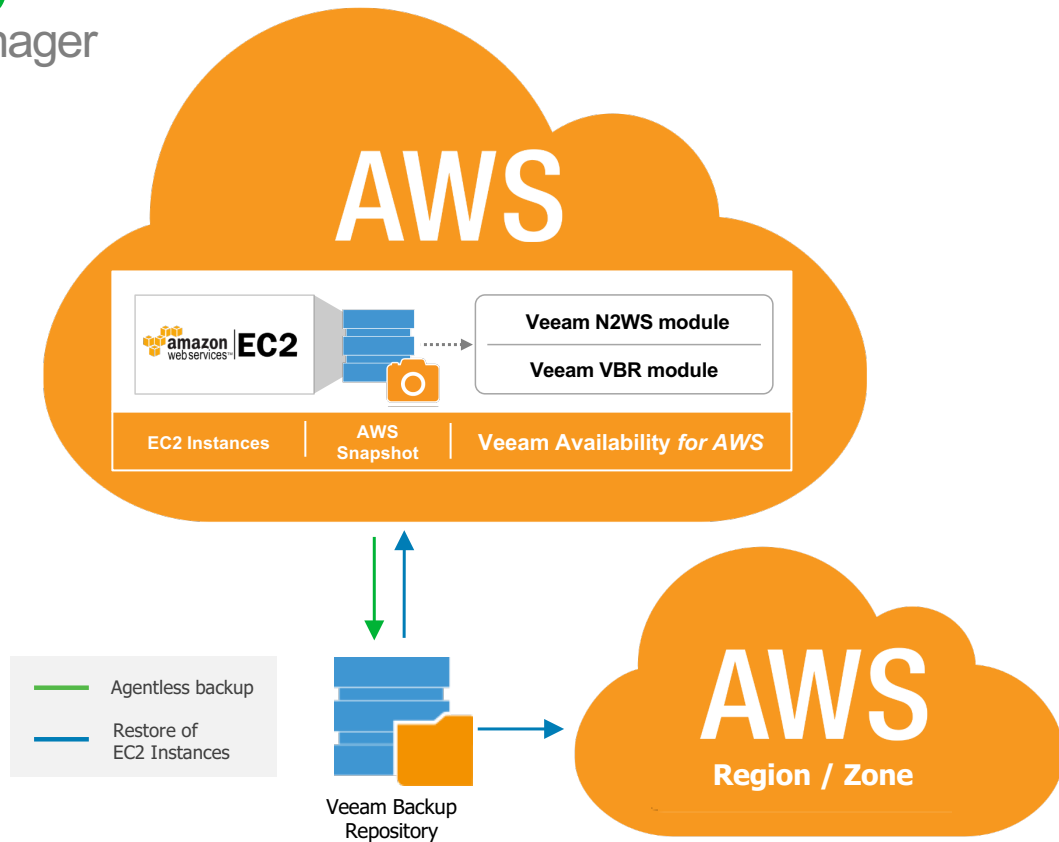
- **Cloud-native, agentless backup and recovery** using native AWS snapshots
- **Mitigate risk of downtime and data loss** for your AWS workloads by decoupling backups



Veeam Availability *for AWS*

Includes N2WS Cloud Protection Manager

- **Cloud-native, agentless backup and recovery** using native AWS snapshots
- **Mitigate risk of downtime and data loss** for your AWS workloads by decoupling backups
- Take advantage of powerful, reliable recovery technologies to **achieve industry-leading RTOs**



Veeam Availability Console



Veeam Managed Backup Portal is becoming Veeam Availability Console

Veeam Availability Console

Core functionality

Easily deploy, manage and monitor your customers' entire Veeam backup environment



Simplified
setup



Remotely
discover
& deploy



Manage
& monitor



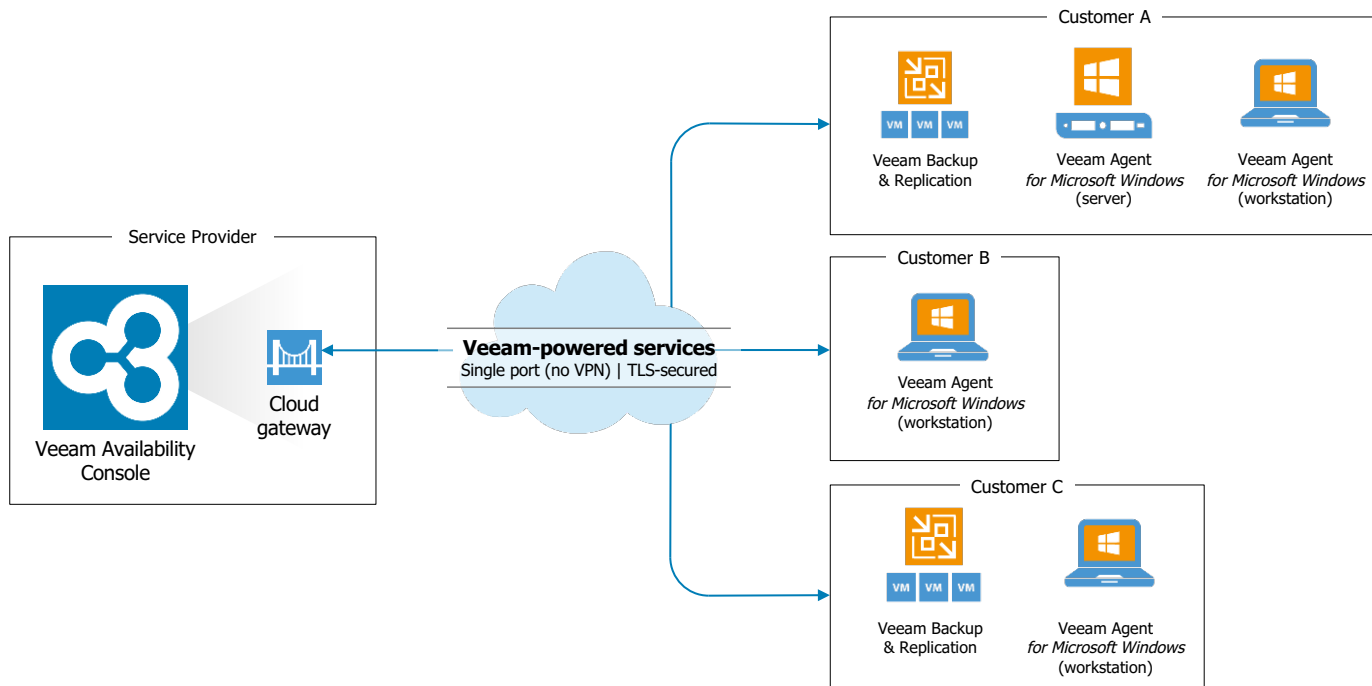
Billing



Self-service

Veeam Availability Console

Remote monitoring and management



Veeam Availability Orchestrator

Veeam Availability Orchestrator

What is it?

Veeam tool for enterprises to:

- Plan
- Orchestrate
- Test
- Document

The screenshot displays the Veeam Availability Orchestrator web interface. The left sidebar contains navigation links: WELCOME, DASHBOARD, DR Planning & Testing, **FAILOVER PLANS** (selected), VIRTUAL LABS, DR Documentation, REPORTS, and REPORT TEMPLATES. The main content area is titled "DR Planning and Testing \ Failover Plans" and includes a search bar with the placeholder "[TBD] Search by name". Below the search bar are action buttons: Launch, Manage, Verify, and Report. A table lists the configured failover plans.

Site	Plan	Enabled	State
AUTOLAB DR	Test Application	<input checked="" type="checkbox"/>	Test Complete - Plan Running
AUTOLAB DR	Production Sharepoint System	<input type="checkbox"/>	Not Verified - Never Tested
AUTOLAB DR	Exchange Servers	<input type="checkbox"/>	Not Verified - Check Failed
AUTOLAB DR	File and Print servers	<input type="checkbox"/>	Not Verified - Never Tested
AUTOLAB DR	HR Web Portal	<input type="checkbox"/>	Not Verified - Never Tested

Veeam Availability Orchestrator

How to test?

Do test failovers

- With different people
- And with sabotage!

Once the test works:

- Do a real failover
- And a real failback!

The screenshot displays the Veeam Availability Orchestrator interface for a lab named "DR TEST LAB". At the top, a progress bar indicates the "Current State: POWERING OFF - PROCESSING 71%". Below this, the interface is divided into three main sections: "TBD] VIRTUAL LAB & FAILOVER PLANS", "TBD] VIRTUAL LAB", and "TBD] FAILOVER PLANS".

TBD] VIRTUAL LAB & FAILOVER PLANS

Run Halt Edit Reset state Power off

TBD] VIRTUAL LAB

3D] Name	Status
DR Test Lab	Halted

TBD] FAILOVER PLANS

3D] Name	Status
Testing SQL and WEB	Completed

[TBD] PLAN GROUPS

[TBD] Search by name

Show: [Icons: Stop, Cancel, Warning, Success, Info]

[TBD] Name	Status
Session	Completed
VMs in Job DR DC Replication	Halted

Veeam Availability Orchestrator

Must I test apps manually?

Veeam Availability Orchestrator can confirm many apps with automated tests

Custom scripts can be added for other tests

 Process Replica VM

 Check VM Network

 Check VM Heartbeat

 Generate Event

 Prepare DC for Test Lab

 Send Email

 Shutdown Source VM

 Verify DNS Port

 Verify Domain Controller Port

 Verify Exchange Mailbox

 Verify Global Catalog Port

 Verify IIS Website

 Verify Mail Server Port

 Verify Oracle DB

 Verify Sharepoint URL

 Verify SQL Database

Veeam Availability Orchestrator

Can I prove the tests worked?

Veeam Availability Orchestrator test history reports:

- Replica verification
- VM network checks
- VM heartbeat checks
- App and service checks
- Test duration (RTO)

Very informative — not just for the boss, but for you too!

VM SQLVM

[Back to VMs in Job TEST Application Group Summary](#)

VM and Replica details

	SOURCE (PRODUCTION)	REPLICA (DR)
VM NAME	SQLVM	SQLVM_replica
VBR SERVER	N/A	DRVBR
VCENTER	akvc6dr.dev.amust.local	akvc6dr.dev.amust.local
CLUSTER		DR Cluster
HOST	esx-prod1.amust.local	172.16.5.46
DATASTORE	Shared Storage, Prod1_Local	Shared Storage, esx-prod4.local2

Recovery result and duration

RESULT	STEP NAME	START TIME	DURATION
SUCCESS	Process Replica VM	09:15:41	00:12:06
SUCCESS	Check VM Network	09:19:20	00:08:27
SUCCESS	Check VM Heartbeat	09:19:36	00:08:11
ERROR	Verify SQL Database	09:19:53	00:07:55

Recovery Step Details

Process Replica VM

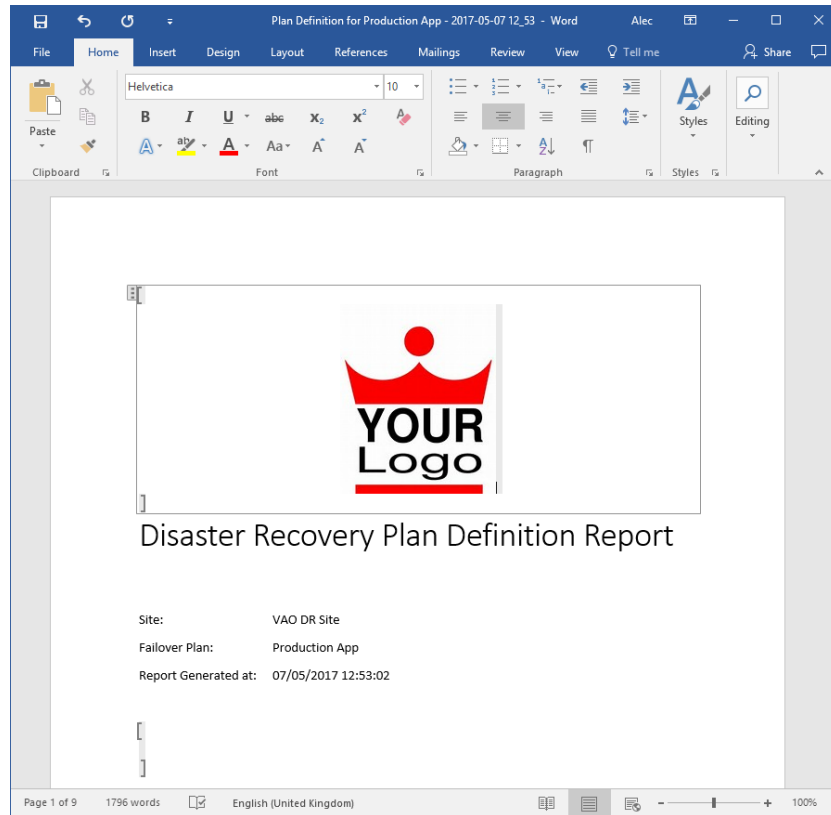
TIMESTAMP	DETAILS
09:15:41	Step 'Process Replica VM' execution started
09:15:41	1 execution attempt
09:16:50	Starting VM...
09:16:55	Powering on VM SQLVM_replica on host akvc6dr.dev.amust.local

Veeam Availability Orchestrator

How to document?

Veeam Availability Orchestrator reports
can be exported as .docx

Use custom templates



Veeam Agent *for Microsoft Windows*

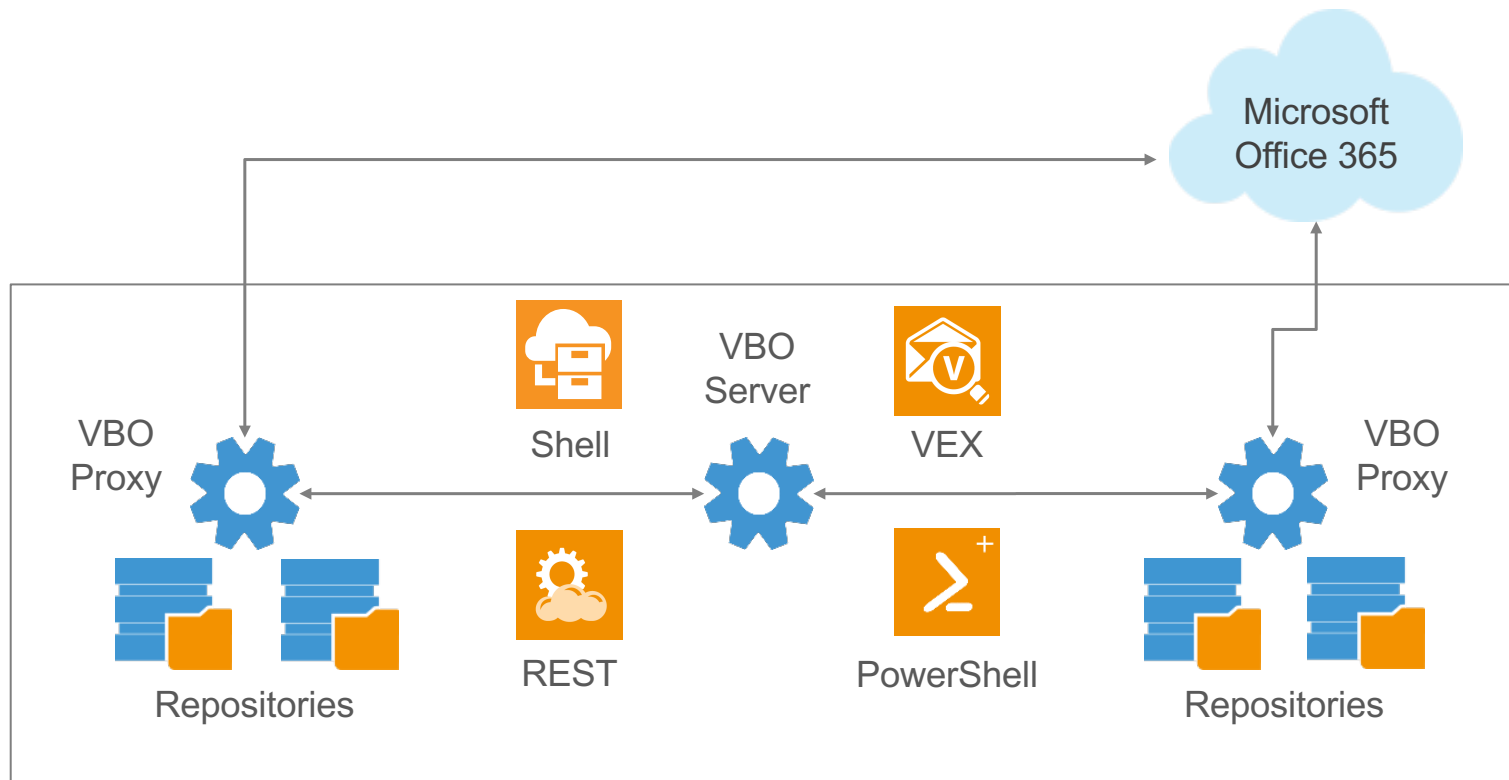
Veeam Agent *for Microsoft Windows*

Hang around for next session

Veeam Backup *for Microsoft Office 365*

Veeam Backup *for Microsoft Office 365*

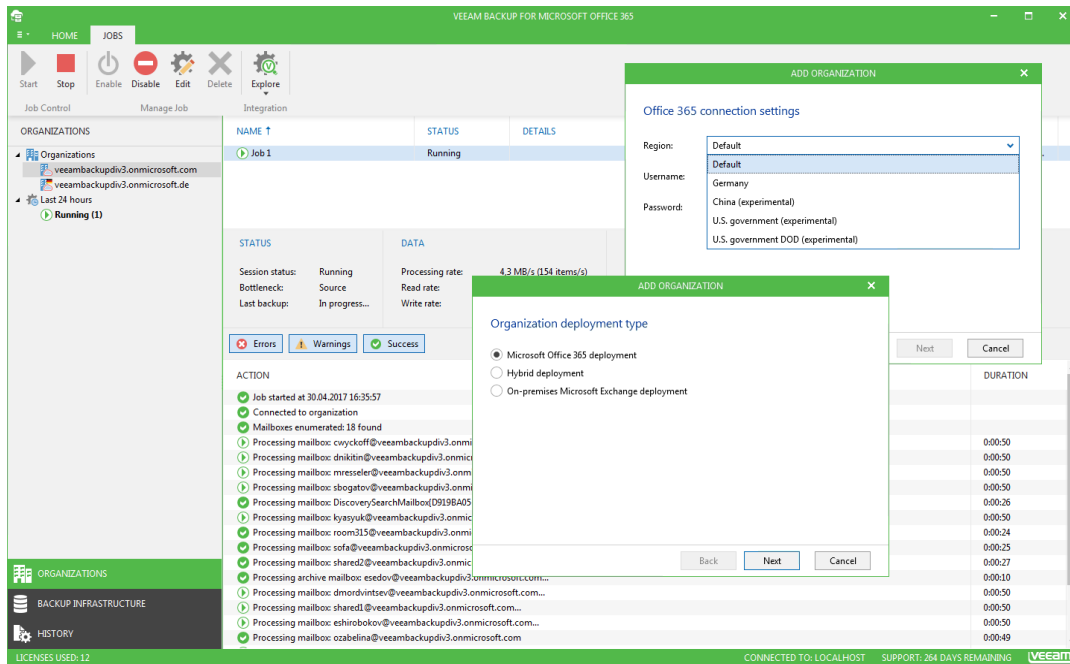
New architecture look



Veeam Backup *for Microsoft Office 365*

General Improvements

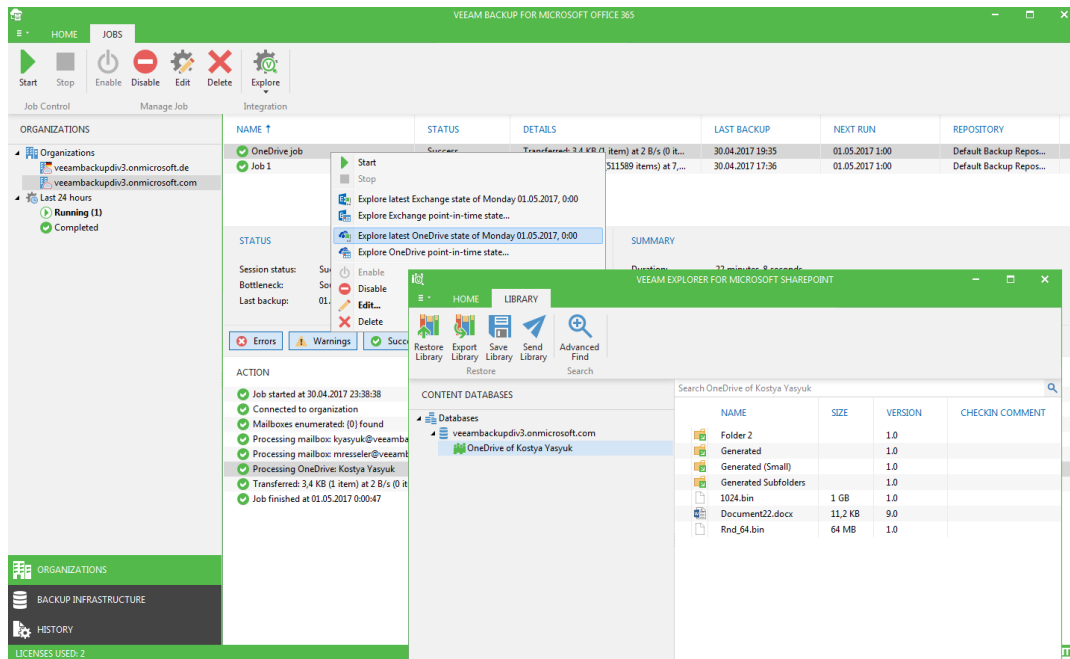
- Scalability: multiple proxies
- Scalability: multiple repositories
 - Even one org can be split over multiple proxies/repositories
- Hybrid organization support
- New support for regions (German, Chinese, U.S. gov)
- PowerShell/RESTful
- Worker threads/bandwidth limit
- Scheduling changes



Veeam Backup for Microsoft Office 365

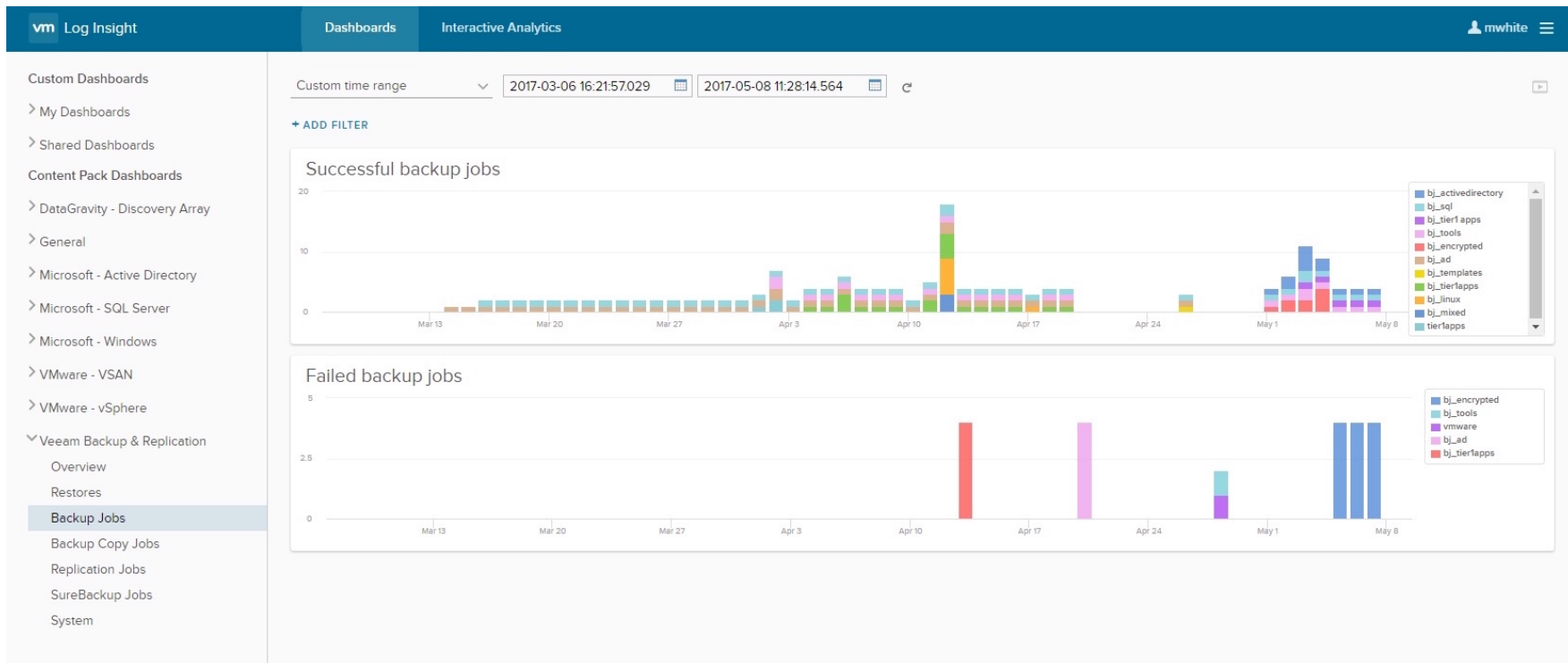
Coming features in version 2.0

- Support for Sharepoint
- Support for OneDrive

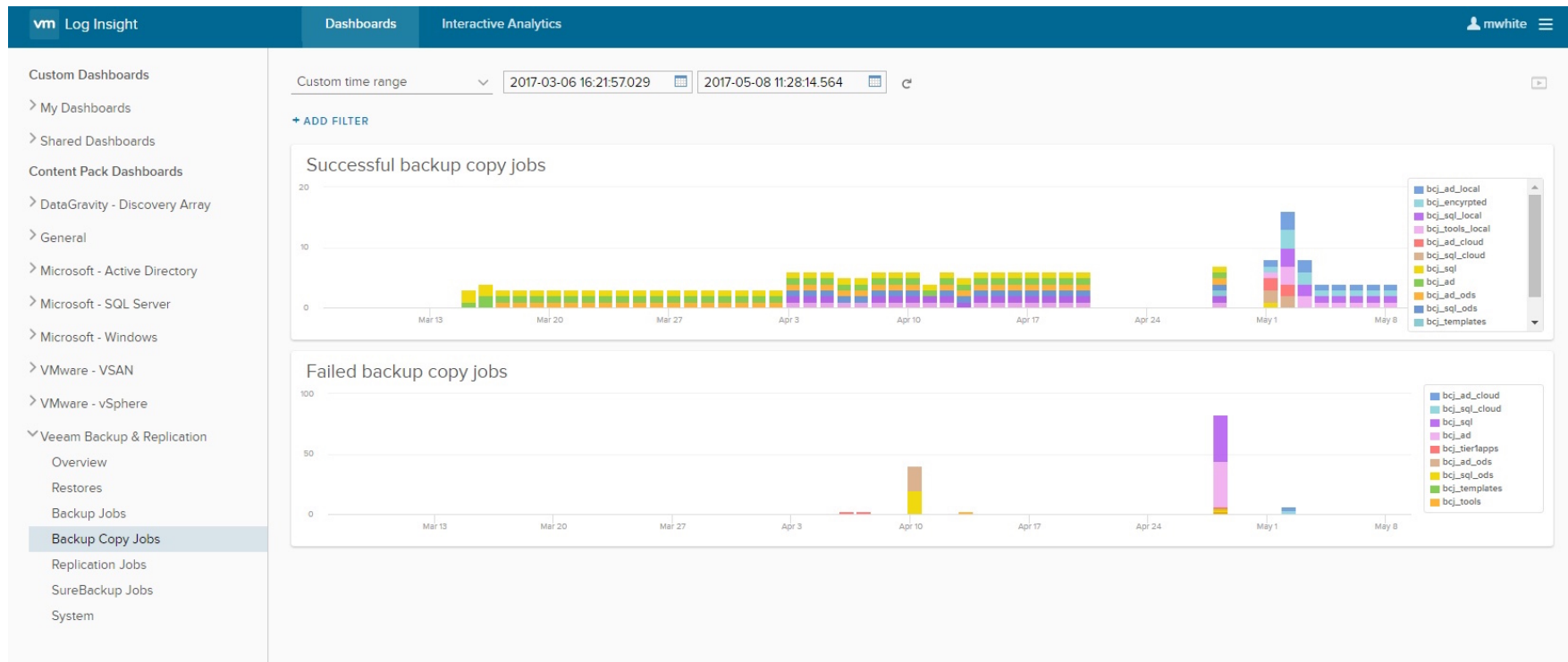


Veeam Content Pack for VMware Log Insight

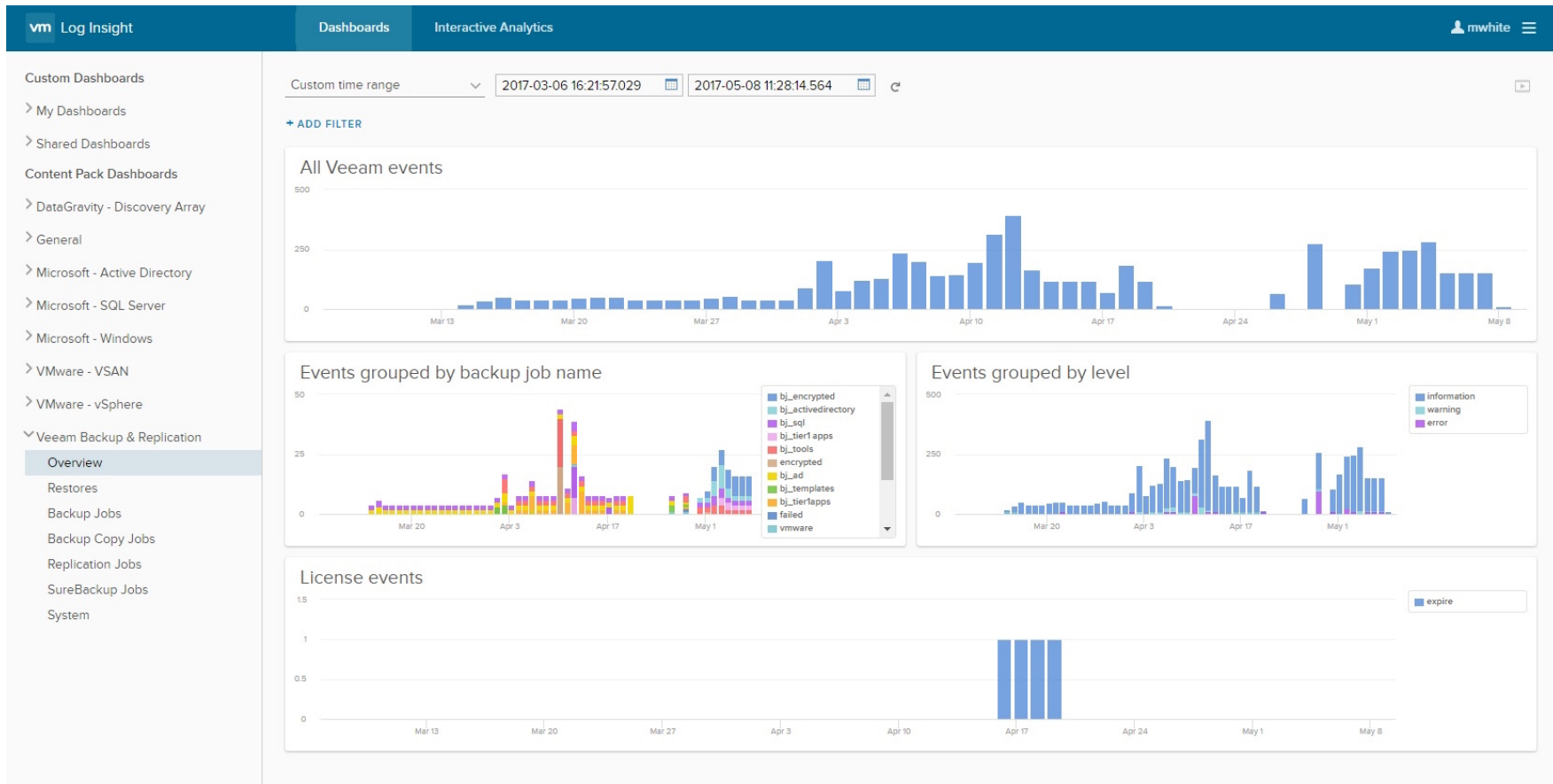
Veeam Content Pack for Log Insight



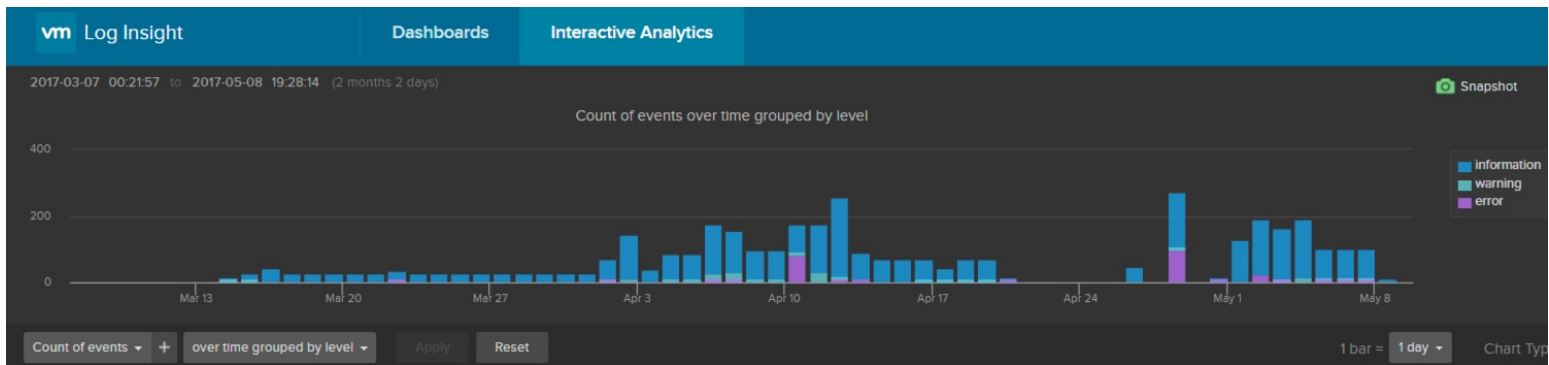
Veeam Content Pack for Log Insight



Veeam Content Pack for Log Insight



Veeam Content Pack for Log Insight



Custom time range

Match all of the following filters:

2017-03-07 00:21:57.029 to 2017-05-08 19:28:14.564

X

channel

▼

contains

▼

Veeam Backup

x

X

level

▼

exists

▼

X

eventid

▼

does not contain

▼

10050

x

10010

x

10090

x

150

x

+ ADD FILTER × CLEAR ALL FILTERS

Events Field Table Event Types Event Trends

1 to 50 out of 50+ events View Sort: Newest First

2017-05-08 06:00:24.162	BackupSync job 'BCJ_Encrypted' has been started.	source channel event_type eventid eventrecordid hostname keywords level providername task vbr_backupcopyjobname	<div><div>+</div>channel</div> <div><div>+</div>event_type</div> <div><div>+</div>eventid</div> <div><div>+</div>eventrecordid</div> <div><div>+</div>hostname</div> <div><div>+</div>keywords</div> <div><div>+</div>level</div> <div><div>+</div>providername</div> <div><div>+</div>source</div> <div><div>+</div>task</div> <div><div>+</div>vbr_backupcopyjobname</div>
2017-05-08 06:00:24.037	BackupSync job 'BCJ_SQL_Local' has been started.	source channel event_type eventid eventrecordid hostname keywords level providername task vbr_backupcopyjobname	<div><div>+</div>channel</div> <div><div>+</div>event_type</div> <div><div>+</div>eventid</div> <div><div>+</div>eventrecordid</div> <div><div>+</div>hostname</div> <div><div>+</div>keywords</div> <div><div>+</div>level</div> <div><div>+</div>providername</div> <div><div>+</div>source</div> <div><div>+</div>task</div> <div><div>+</div>vbr_backupcopyjobname</div>
2017-05-08 06:00:23.943	BackupSync job 'BCJ_AD_Local' has been started.	source channel event_type eventid eventrecordid hostname keywords level providername task vbr_backupcopyjobname	<div><div>+</div>channel</div> <div><div>+</div>event_type</div> <div><div>+</div>eventid</div> <div><div>+</div>eventrecordid</div> <div><div>+</div>hostname</div> <div><div>+</div>keywords</div> <div><div>+</div>level</div> <div><div>+</div>providername</div> <div><div>+</div>source</div> <div><div>+</div>task</div> <div><div>+</div>vbr_backupcopyjobname</div>
2017-05-08	BackupSync job 'BCJ_Tools_Local' has been started.	source channel event_type eventid eventrecordid hostname keywords level providername task vbr_backupcopyjobname	<div><div>+</div>channel</div> <div><div>+</div>event_type</div> <div><div>+</div>eventid</div> <div><div>+</div>eventrecordid</div> <div><div>+</div>hostname</div> <div><div>+</div>keywords</div> <div><div>+</div>level</div> <div><div>+</div>providername</div> <div><div>+</div>source</div> <div><div>+</div>task</div> <div><div>+</div>vbr_backupcopyjobname</div>