Petri
IT Knowledgebase

Petri Webinar Brief
August, 27, 2019

Want to Make Your Backup Storage Unlimited & Ready for the Cloud?

Want to Make Your Backup Storage Unlimited & Ready for the Cloud?

Presenter: Rick Vanover, Director of Technical Product Marketing & Evangelism for Veeam Software

Moderator: Brad Sams, Petri IT Knowledgebase, Executive Editor at Petri.com

Overview

A Scale-Out Backup storage infrastructure is a must-have
technology for your backups. In this webinar, our executive editor,
Brad Sams talks to Veeam's VP of Product, Rick Vanover about how
to make your backup storage unlimited & ready for the cloud.

Key Takeaways

What is the Scale-Out Backup Repository?

You may have heard a phrase like tier zero, all flash, or tier one, these are all categories of primary storage. Secondary storage is where you put backups. And as a fundamental rule, you need to think about domains of failure to make sure you have separation between production and backup.

What this means is that you should not put your backups on the same storage as your primary storage. Same rule applies to the cloud; the rules don't change.

Drilling down to basics of this brief, scale-out backup repository is a software-defined approach to secondary storage. The definition of the term is a logical entity – it groups several backup repositories called extents.

Key Concepts of Scale-Out Backup Repository

There are several primary benefits of this approach to thinking about backing up your data in the cloud. In the webinar, Rick highlights these benefits that include:

·   A way to pool individual backup repositories.
·   Can implement many policies around storage management.
·   Can be made infinite when extending to the cloud.

Yes, the cloud is not truly infinite but for most customers, AWS or Azure offers enough storage and flexibility that you will likely never run out of capacity for your data.

What is a Backup Repository?

A backup repository is where Veeam keeps backup files, VM copies and metadata for replicated VMs. There are a number of ways you can create storage for backups but many companies simply don't know what they want or need for this type of storage. This is where a software-defined approach is interesting as it can help you achieve the right mix and match of performance, density, and stability.
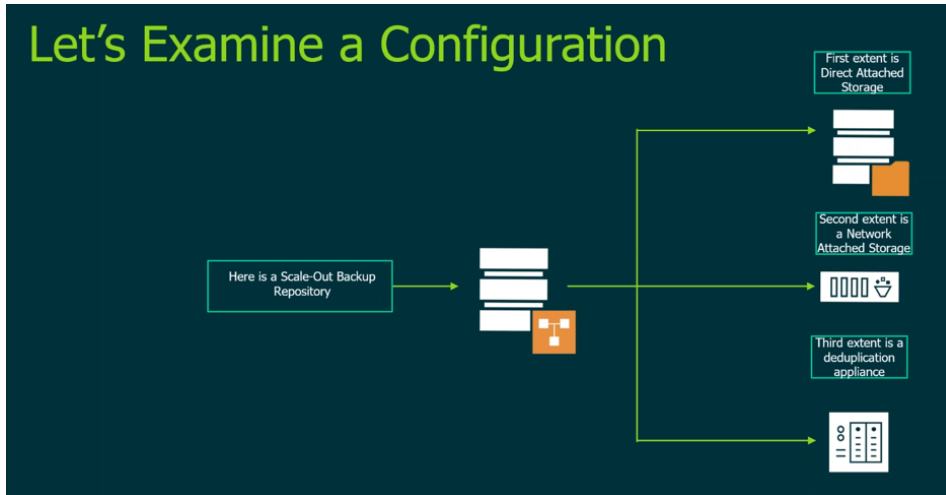
Why the Scale-Out Backup Repository?

The original idea of a software-defined backup storage and one of the first use cases, was what to do when your backup storage is full. What do you do in that situation?

A lot of times, administrators simply start rebuilding and parallel infrastructure of the same thing and then your management domain will increase because you may have two different sets of jobs, and two different backup consoles.
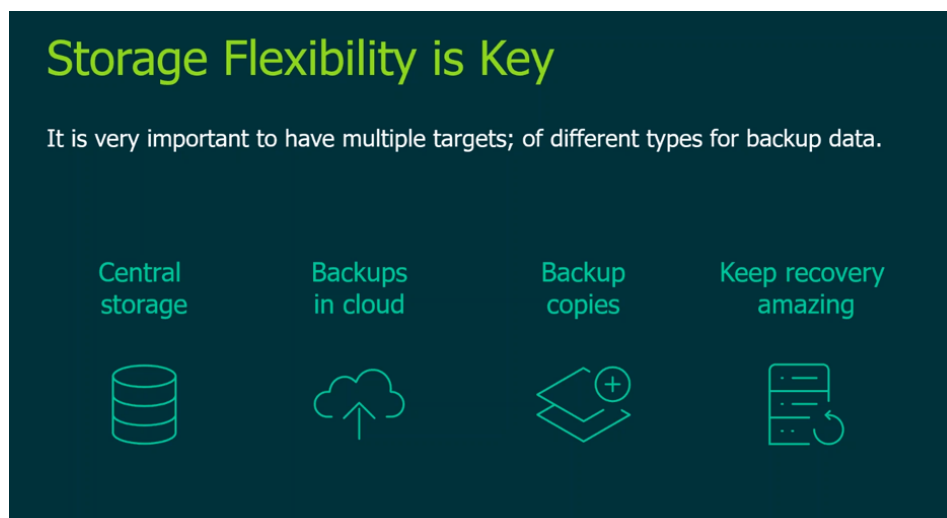
Configuration

In the webinar, Rick details a configuration of a Scale-Out backup repository. Further, he also demos how a backup job is completed with the model configuration.

There are many benefits to this approach to storing backups, including that fact that if one extent becomes unavailable, other extents that are online, can fill in for the extent that is offline. With this approach, you will not miss a restore point.

Storage Flexibility is Key

It is important to align your backup needs with the storage option that fits best with the business requirement. Having a backup solution that is flexible to store your data where it is appropriate is a critical step in creating a sustainable backup solution.

But most importantly, is the recovery process needs to be fast and fluid. Data that is backed up but not recoverable, doesn't help when there is an outage. It's important to test and retest your

recovery processes to make sure that when an outage does occur, you can easily restore your critical applications.
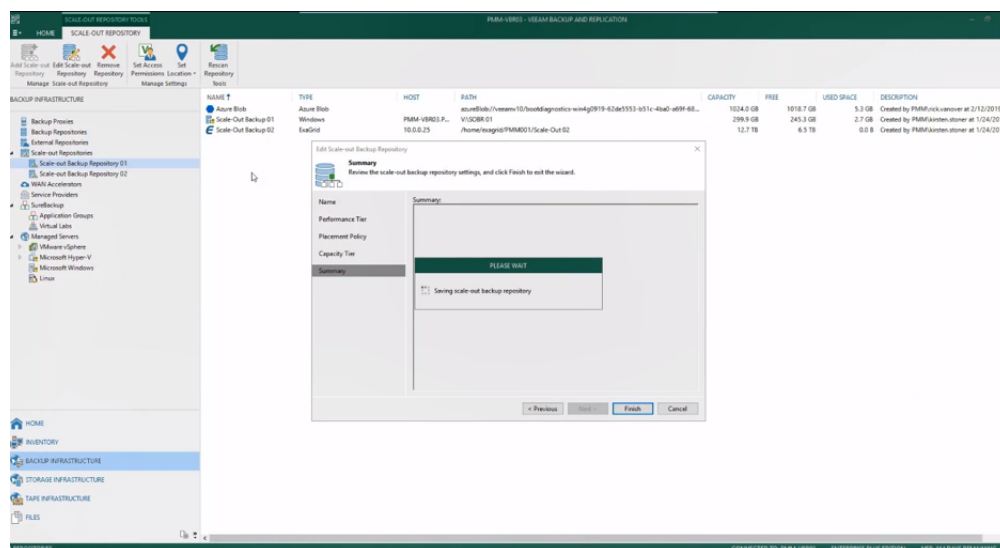
What is the Veeam Cloud Tier?

Data growth and compliance requirements have a significant impact on the way you must protect and store your data. With more and more data being generated each day, the demands for higher capacity storage is increasing and compliance requirements continue to push the longevity that data must be retained.

The built-in automatic tiering feature of Scale-Out Backup and Repository offloads older backup files to Amazon S3/Amazon S3-compatible storage, Azure, and IBM Cloud as well. In the webinar, Rick explains how older backup files are moved from a performance tier, to the cloud tier of your preferred vendor to help lower costs of maintaining non-frequent backup scenarios.

And the best part of Veeam's clout backup model is that there is no additional 'tax' for using the cloud as a storage location. Some companies will charge for storage and add a backup vendor tax, with Veeam, you only pay the cloud storage fee.

Demo

Near the end of the webinar, Rick provides a detailed look at how the Scale-Out Backup Repository operates. He demonstrates how a software-defined approach to secondary storage can work for your environment to help your data safe and available.

Download Free Trial: Veeam offers a free trial of its Availability Suite for 30 days that is fully featured.