DartPoints: Podcast #99 - VeeamON 2024 Recap

Wednesday, February 22, 2023   1:35 PM

Podcast #99 for June 21, 2024 - 9am Central -- ~45 Minutes

- **Introduce our Guest(s):** <Current Responsibilities, Background, How long have you been at your company>
  - **James Williamson:** Manager of Solutions Architects @ DartPoints
  - **Tim Hudson**: Principal Solutions Architect @ Veeam
  - **Lee Rivas:** Systems Engineer, Veeam Cloud & Service Providers - Southeast

  Intro:
  This is DartPoints Podcast #99 for Friday, June 21st, 2024. In this podcast, We are accompanied by Veeam's Lee Rivas and Tim Hudson to recap this year's VeeamON 2024 Conference.
  All this, AND MORE….in the next DartPoints Podcast.

- **Preface:**   This year, DartPoints attended VeeamON2024… Jimmy and Will discuss the most exciting and interesting developments during the conference.

- **VeeamON24 -- Online content will be available until July 15th.**
  - **https://www.veeam.com/veeamon**

Topics:

- **Additional Hypervisors and Cloud Applications - Coming in Veeam 12.2**
  - **Cross Hypervisor Backup and Restorability (**Veeam Portable Data Format**)**
  - Hyper-V
  - Nutanix AHV
  - VMware
  - Oracle Linux KVM
  - ProxMox
  - Salesforce CRM
  - Microsoft EntraID / Federated Active Directory **-- Coming later in the year.**
  - MongoDB Support

- **Veeam Backup and Replication v13: <Coming sometime in 2025>**
  - VBR can now be installed on Linux!
  - This is important because now customers have the option to run in an all-Linux configuration.
    - We **think** that VBR ad VHR will be able to run on the same Linux Server.
    - Updated Veeam Hardened Linux Repository ISO - EASY PEASY VHR
  - AI integrations - Built in prompts for common tasks.

- **Updated Veeam Hardened "Linux" Repositories (VHR):**
  - **Friends don't let friends install VHR's on virtual machines… Bare-metal only please. (OK for test/dev/demos)**
  - First announced during VeeamON 2023
  - New ISO building coming soon!
    - Old ISO build was based on Ubuntu Linux 20.04 (Debian-based Linux)
    - Pulled from Veeam Downloads
    - A lot of requested fixes, fixed! -- Install w/o Internet, Bonded NIC updates, and MORE
  - New ISO build will be built on Rocky Linux (Red Hat-based Linux)
    - Should be available soon
    - Red Hat Enterprise Linux Compatibility -- Rocky Linux is a clone of RHEL
    - 10 Years of support
    - Hardware Compatibility List -- "Veeam Ready Program"
  - Why? Makes adoption to Immutable Linux Hardened easier for non-Linux admins
    - Installation script and configuration options built into VHR
    - Supported by Veeam's Support Team -- "Veeam Ready Program"
    - Incorporates Security Technical Implantation Guides (STIGs) into VHR -- Makes hardening very easy!
    - DISA is part of the Department of Defense (DoD). It's a combat support agency that provides IT and communication support to all institutes and individuals working for the DoD. DISA oversees the IT and technological aspects of organizing, delivering, and managing defense-related information. URL: https://public.cyber.mil/stigs/
  - How easy is it?
    - Install ISO (Graphical) -- Custom ISO specifically for Veeam…..even had a Veeam Logo! ;)
    - Log in with creds created during installation
    - Start SSH via Hardened Repository Configurator
    - Install Hardened Repository role from VBR console via SSH
    - Stop SSH via Hardened Repository Configurator
    - Reboot to apply "lockdown" mode, Start using your VHR repository
    - *Best Practices -- At least do SOMETHING! --- There is NO reason NOT to have at least "ONE" immutable server/backup.*
  - URL: https://community.veeam.com/blogs-and-podcasts-57/all-demo-session-installable-iso-for-veeam-hardened-repository-4808
  - URL: https://web.cvent.com/hub/events/758bc109-285c-42d6-84d9-c9a561d31148/sessions/aa978207-bcb9-41ee-ba78-2a62a6dd054a

- **Hidden Features in Veeam Service Provider Console v8.1:**
  - New integration points.
    - Integration with Veeam Backup for Microsoft Azure
    - Integration with Veeam Backup for AWS
    - Integration with Veeam Backup for Microsoft 365
      - Self-service portal for VBO restores.
      - Reports on M365 Licenses consumed by customers - Shows Microsoft SKUs
    - Oracle Virtualization Manager and ProxMox Supported
  - Service Providers can now map VCD orgs to VSPC companies for billing, monitoring, etc.
    - SPs can now auto map the these connections.
    - *Enterprise manager may be slowly be going away.*
  - Malware detection and notification in VSPC
    - Malware state of the restore points right in the UI and API
    - Alarms can be managed via the VSPC
  - Veeam ONE alarms will push data to VSPC 8.1 (Multitenant)
  - Enhanced support for Public Cloud Workloads
  - Veeam will be ramping up additional support and integrations for VMware vCD.
    - There should be more and more deep integrations in the vCD portal/Veeam Plugin
    - Companies can create and edit backup jobs in the vCD environments right in the VSPC UI
  - *Restore Any Hypervisor to Any Hypervisor…. Even Nutanix/ProxMox to VMware.*

- **Updates to Veeam ONE**
  - Next Generation User Interface
  - Veeam AI Assistant: -- Easy reporting, based on natural language
    - AI integrations - Built in prompts for common tasks -- Customizable
      - Alarms Overview w/recommended actions. *"Jarvis, give me my morning update on my backups..."*
      - Threat Center -- Review and summaries threat landscape w/recommendations/Best Practices
      - VBR Topology Visibility -- Visibility into versioning, etc. -- Maybe one day UPGRADES!
    - Get Realtime insights on Veeam Data Platform
  - Visibility to VB365, Ransomware vendors, etc.
  - New Dashboards / New Visibility Options

- **Veeam Repository Sizing and Best Practices**
  - Went over repository and network configuration
  - Went over proxy config
  - RPS will be added to the Veeam Calculators
  - https://www.veeam.com/calculators

- **CoveWare partnership:**
  - Partnership further extends ransomware awareness and mitigation of Veeam VBR
  - CoveWare assists customers with negotiating with bad actors
    - Has research data on how to handle "best situations" with bad actors.
  - https://www.veeam.com/news/veeam-launches-most-complete-support-for-ransomware.html
  - https://www.coveware.com/

Topics Not Covered in this Episode:

- **Object Storage Possibilities:**
  - **Pros**:
    - "Cheap" and durable storage--- "Cheap" depends on the vendor/tech
    - Typically immutable
  - **Cons**:
    - Can be expensive, depending on vendor
    - Might be Offsite Storage Only --- May not have the flexibility to of Veeam Cloud Connect / Infrastructure Recovery.

- **Veeam Backup for M365 - Version 8**
  - Proxy pools -- Better Performance and resilience
    - Proxies can be put into maintenance mode to allow for non-disruptive updates
  - Primary repositories can be on object storage
  - Immutable options/governance for object storage
  - Check screenshots
  - Security -- Multi-factor authentication
  - https://community.veeam.com/blogs-and-podcasts-57/vbm365-v8-technical-preview-installation-some-new-goodies-7337

- **Amazon AWS and Microsoft Azure**
  - Platform config protection as well as VMs
    - Restore VPC's, Firewall Settings, etc. Very granular
    - This is great for those folks that MAY screw up their AWS/Azure configs… ;)
    - DartPoints can supply licensing

- **Better Together: Veeam One and Orchestrator**
  - Expanded Recovery options to Cloud - For DRaaS - Cloud Repo
  - Embedded App installations
  - VBR in cloud is possible. --- For DRaaS options

- **Veeam Data Cloud (VDC)**
  - Office 365 Portal dashboard.
  - https://www.veeam.com/products/veeam-data-cloud/cloud-storage-vault.html

- **Veeam Vault**
  - Fully managed cloud storage on Azure Object Storage
  - https://www.veeam.com/news/veeam-launches-secure-cloud-storage-with-veeam-data-cloud-vault.html?ad=homepage-feature-banner