

Data Protection for Oracle Cloud VMware Solution

Business challenge

IT organizations everywhere are facing the challenge of managing cloud-first mandates that reduce or even eliminate their on-premises data center footprints while simultaneously providing additional scale, flexibility and agility. During this journey, workloads may need refactoring to fully take advantage of the cloud. And to further complicate the issue, most data protection solutions are not designed to support both on-prem and cloud-based workloads, making for a manual, cumbersome process to maintain data protection across multiple environments.

With these challenges at play, organizations need a comprehensive solution that covers the key aspects of a cloud journey: ease of migration and portability of VMware workloads, flexibility to control their own VMware environment and the ability to protect data in a hybrid cloud environment.

Solution overview: Back up, recover and migrate to Oracle Cloud VMware Solution

Oracle Cloud VMware Solution (OCVS) provides unique value over other hyperscaler VMware Cloud solutions. OCVS provides a software defined datacenter stack based on VMware Cloud Foundation, and is also the only VMware hybrid cloud solution that allows the customer or their designated GSI to directly manage the VMware environment. With this capability, the end user has the flexibility to patch, update or scale their capacity on their schedule while enjoying the security benefits of having direct access to the hypervisor.

Benefits



Prevent data loss and enable portability

- Provides organizations complete flexibility to control, manage and scale their environment while optimizing cost and maximizing performance
- Policy based recovery supporting customer data management policies and RPO requirements (e.g. – five seconds)
- Seamless portability of workloads across hybrid and multi cloud environments
- Data protection for containerized workloads with Veeam's K10 product suite with built in Kubernetes support



Ransomware Protection

- "Secure Restore from Veeam™" leverages a wide range of Antivirus and Anti-Malware tools to scan for malicious components
- Ransomware protection enables cloud customers to be ready for ransomware attacks, recover with confidence and overcome any cyberthreat by providing comprehensive ransomware remediation with fast, reliable recovery.



Lower TCO for Data Protection

- Veeam Availability Suite™ provides backup, immutability against cyber-attacks, and recovery in a single license, offering protection for all VM capabilities in OCVS
- Eliminates the operational overhead in managing disparate resiliency tools.



Leverage Veeam Universal Licensing (VUL) to optimize your costs when protecting a VM environment

- Easy-to-use, per-workload license, available via subscription or perpetual options, for protecting data across on premises and multi-cloud environments
- Portable and transferable, moving easily across multi-cloud VMWare environments



OCVS allows complete control of the overall bare metal infrastructure environment, provides root access to the hypervisor, enables user control patching/updating of the SDDC stack components, and provides deeper insight into the VMware environment with logging and monitoring tools. OCVS also enables an ease of migration from on-prem datacenter to the cloud using either VMware HCX, which simplifies application migration, or other third-party migration tools. Of course, once the migration is completed, it is extremely important that the data is protected.

Veeam® is a leader in the backup and recovery space providing the ability to protect all virtual machine and even container workloads in their entirety. Veeam seamlessly integrates with the customer's data management objectives (RPOs) while ensuring data is always recoverable in the event of outages, cyber-attacks, loss, or theft. Veeam Backup & Replication™ provides backup to the OCVS environment.

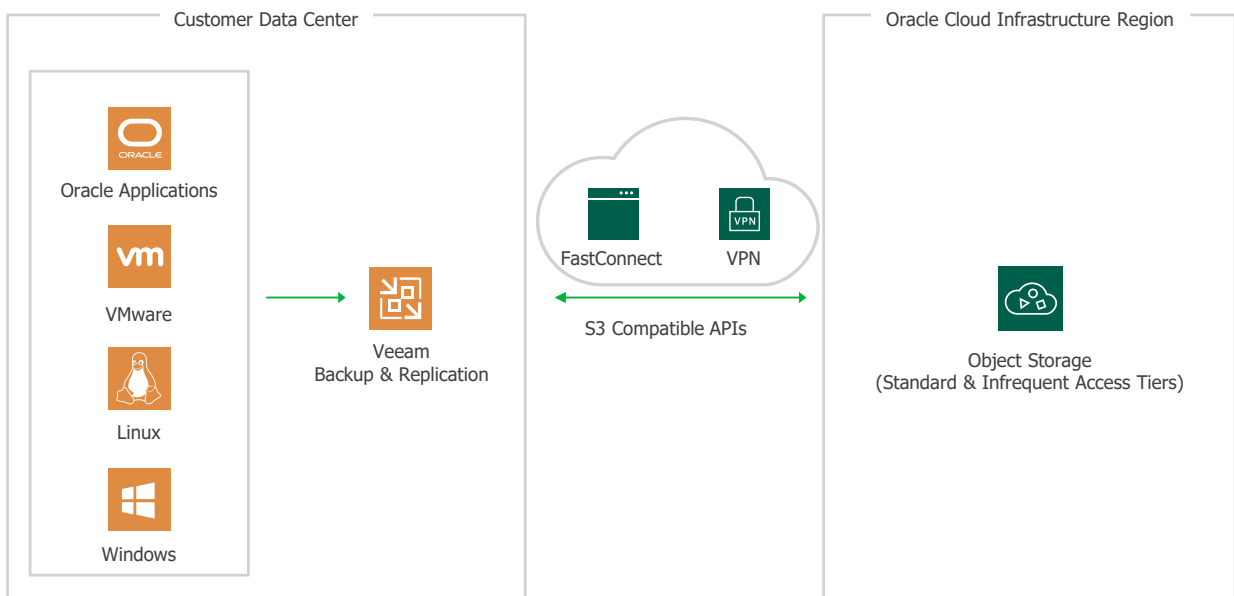
Veeam ONE™ provides monitoring analytics for VMware environment as well as your backups, while Veeam Disaster Recovery Orchestrator handles automated DR planning and testing. OCVS can even take advantage of Veeam's continuous data protection (CDP) feature which enables near zero RPO times and lower RTO times. Whether you are running VMware workloads on-premises or in OCVS, you need a simple, flexible, reliable and powerful backup solution that can adapt to your business requirements. Veeam delivers everything you need to protect VMware VMs on-premises, as well as your OCVS VMs – and all with the same proven Veeam Platform. In addition, our partnership with VMware and Oracle ensures the delivery of industry leading, high performance, optimized solutions that provide 24/7 data protection in an OCVS environment.

Use cases

Create operational consistency across all environments.

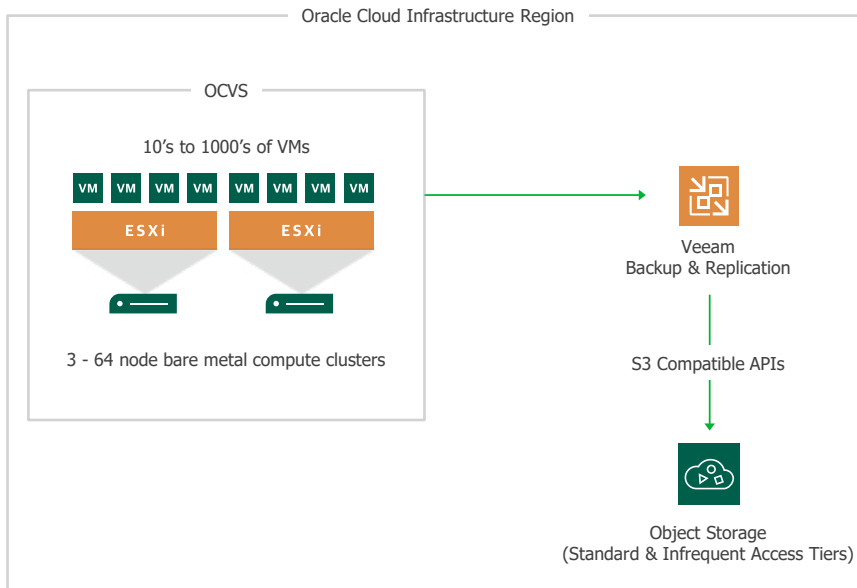
Use case 1. Backup and restore on-premises workloads:

Backup and restore your on-premises workloads (DBs, VMware VMs, Windows and Linux environments, etc.) to/from OCI object storage leveraging Veeam Backup & Replication, within OCVS, providing longer term retention and lower cost into object storage.



Use case 2. Backup and restore OCVS workloads:

Backup and restore your OCVS workloads running in OCI to/from Object storage leveraging Veeam Backup & Replication.



Use case 3. Disaster Recovery to Oracle Cloud:

Create a new DR environment in OCVS to fulfill new or existing DR requirements. Being prepared for the worst case scenario is critical from a business continuity position to ensure one's business can be back into production in the shortest period of time. For customers looking to add a net new DR site or replace an existing site, OCVS provides an easy and economic option for this, as it does not require any up front capital expenditure. Veeam Disaster Recovery Orchestrator enables one to create a recovery plan and test it thoroughly before disaster strikes. Leveraging Secure Restore by Veeam, one can quickly bring production capability back in action whether it's a disaster or an attack by ransomware.

