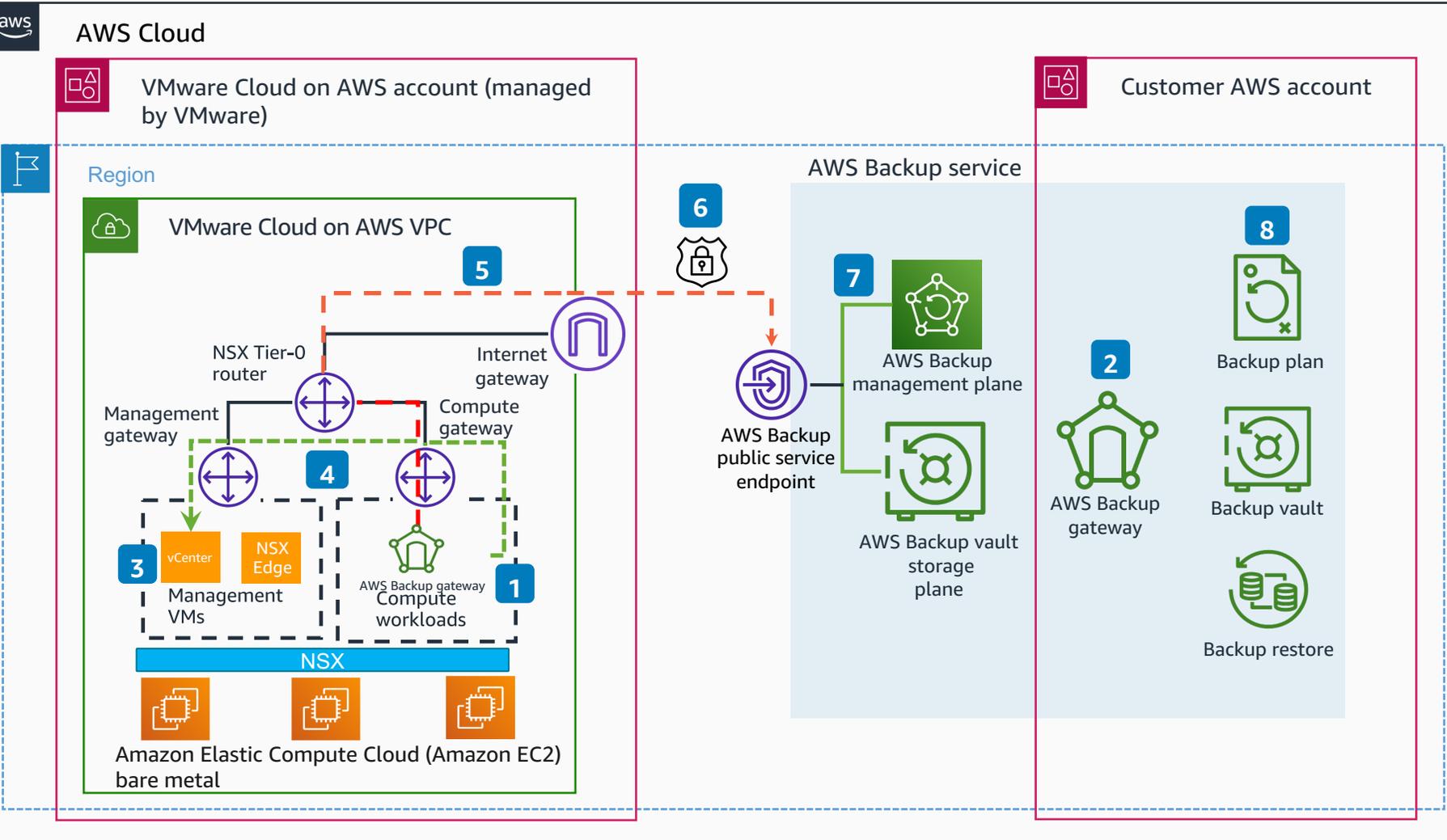


VMware Cloud on AWS with AWS Backup Integration

Protecting virtual machines (VM) running on VMware Cloud on AWS using AWS Backup



- 1 The **AWS Backup gateway** appliance is available as a VMware virtual appliance. This appliance communicates with the vCenter and the **AWS Backup** public service endpoint for backup and restores. Deploy **AWS Backup gateway** in Software Defined Data Center (SDDC) [vCenter](#) on a customer created network segment.
- 2 Register **AWS Backup gateway** in the customer-owned AWS account where backup resources are managed. When the gateway is registered, add the vCenter to the gateway.
- 3 AWS recommends updating vCenter resolution to “Private DNS lookup” to keep the communication between vCenter and **AWS Backup gateway** private. Note that this is optional; it is also possible to use this solution with vCenter resolution to public domain name system (DNS).
- 4 **AWS Backup gateway** communicates with vCenter over the compute gateway.
- 5 **AWS Backup gateway** communicates with **AWS Backup** public service endpoints over the internet gateway.
- 6 The traffic traversing from the **AWS Backup gateway** over the internet gateway to the **AWS Backup** public service endpoints is encrypted.
- 7 The **AWS Backup** public service endpoint communicates with the **AWS Backup** management and storage plane through **AWS Backup** service endpoints. **AWS Backup** public service, the management plane, and the storage plane is managed by AWS.
- 8 Create and manage the backup plan and backup vault, assign VMs to the backup plan, view backups, and perform restores from the customer-owned AWS account.



Reviewed for technical accuracy 2/17/2022

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AWS Reference Architecture