Commvault®

Cleanroom Recovery in AWS External FAQs

Dinesh Reddy, Mathew Ericson

Q: What is Cleanroom Recovery in AWS

Cleanroom recovery solution provides an automated, efficient process for restoring critical applications, reducing the complexity and time required for recovery operations. With Cleanroom Recovery, you can discover the gaps in your recovery plan and test your cyber recovery readiness on a periodic basis. Cleanroom Recovery in AWS provides the flexibility to use AWS cloud as your Cleanroom Recovery target.

Q: What are the use cases for Cleanroom Recovery

- Continuous cyber recovery testing
- Forensic investigation and analysis
- Cyber-attack recovery

You learn more about the use cases here: https://documentation.commvault.com/2024e/essential/cleanroom_recovery_use_cases.html

Q: What is the price?

Cleanroom recovery is priced based on FET capacity configured for recovery. You can get in touch with your Commvault point of contact to know more about the price of cleanroom recovery.

Q: How do I get it?

Please get in touch with your Commvault sales representative to purchase the subscription for Cleanroom Recovery.

Q: Can I sell Cleanroom Recovery as a Channel Partner Private Offer (CPPO) in AWS Marketplace

Yes. Reach out to aws@commvault.com for assistance.

Q: Do I need Air Gap Protect to use Cleanroom recovery

Yes, you need to have a backup copy in Air Gap Protect in AWS to use Cleanroom recovery.

Q: Can I use Cleanroom Recovery to orchestrate recover of Production applications, into my Production site?

You can, but Commvault does not recommend it. Cleanroom Recovery is intended for safe recovery testing away from Production. A recovery into Production from *ephemeral Cleanroom Recovery control plane* may adversely impact other Production applications. The security controls on your Cleanroom will likely differ from production site. Recovery to 'production site can occur with Cleanroom Recovery, but this is not the core purpose of the solution.

Q: Can I use Cleanroom Recovery to restore and run production apps? Can I promote applications restored with Cleanroom Recovery into Production?

Cleanroom Recovery is a validation recovery tool, it should not replace your existing operational recovery runbooks and checks & measures used to transition an application into secure production.

However, during unforeseen scenarios, you can use Cleanroom as a temporary production environment to run your production apps. This requires certain steps to be followed. First, you need to recover your production applications using a clean validated backup point. Second, once the clean production applications are recovered into the Cleanroom you need to open inbound and outbound networking connectivity into the Cleanroom and deliver proper production grade security controls enabled on the Cleanroom. Third, you need to protect the production application that is running in the Cleanroom so that the new data that is churned is backed up and can be used to restore latest data into a new permanent production environment.

**NOTE**: Once a cleanroom is used for running production apps, you cannot reuse the same cleanroom for cyber recovery testing and analysis. You need to create a new isolated cleanroom preferably using a new account.

Q: Does Commvault provide the AWS subscription for Cleanroom?

No. You should provide your own subscription where you want to recovery the applications

Q: What AWS regions are support as Cleanroom Recovery targets?

us-east-1: US East (N. Virginia), us-east-2: US East (Ohio), us-west-1: US West (N. California), us-west-2: US West (Oregon), af-south-1: Africa (Cape Town), ap-east-1: Asia Pacific (Hong Kong), ap-northeast-1: Asia Pacific (Tokyo), ap-northeast-2: Asia Pacific (Seoul), ap-northeast-3: Asia Pacific (Osaka), ap-southeast-1: Asia Pacific (Singapore), ap-southeast-2: Asia Pacific (Sydney), ap-southeast-3: Asia Pacific (Jakarta), ap-southeast-4: Asia Pacific (Melbourne), ap-southeast-5: Asia Pacific (Malaysia), ap-south-1: Asia Pacific (Mumbai), ap-south-2: Asia Pacific (Hyderabad), ca-central-1: Canada (Central), ca-west-2: Canada West (Calgary), eu-west-1: Europe (Ireland), eu-west-2: Europe (London), eu-west-3: Europe (Paris), eu-south-1: Europe (Milan), eu-south-2: Europe (Spain), eu-central-1: Europe (Frankfurt), eu-central-2: Europe (Zurich), il-central-1: Israel (Tel Aviv), me-central-1: Middle East (UAE), me-south-1: Middle East (Bahrain), sa-east-1: South America (Sao Paulo)

Q: Can I use my Air Gap Protect copies in Azure to perform a Cleanroom Recovery in AWS?

No. You must backup your applications into Air Gap Protect in AWS to execute Cleanroom Recovery in AWS

Q: Does Cleanroom Recovery support AWS FIPS endpoints?

No, not currently.

Q: Is the Commvault Cloud control plane (aka, CommServe) recovered in AWS when performing a Cleanroom Recovery?

No. The control plane is recovered in Commvault Cloud (SaaS), which is hosted on Microsoft Azure.

Q: Where is the Disaster Recovery backup used for recovering the control plane in the Cleanroom stored?

The DR backup is stored in Commvault Cloud (SaaS), which is hosted on Microsoft Azure.

Q: In which country/region is the Disaster Recovery backup used for recovering the control plane in the Cleanroom stored?

The DR backup is stored in Commvault Cloud, which is hosted on Azure East US region.

Q: Can the DR backup set be uploaded to a specific region and the control plane be recovered into a specific region of choice for regulatory reasons?

No. This will be available in the future.

Q: Can I encrypt my Disaster Recovery backup with my own encryption key before upload?

No, Commvault must be able to read the DR backup to rebuild your control plane.

Q: What version of Commvault Cloud is the control plane restored as?

Control plane is restored with the latest version of Commvault Cloud.

Q: What operating system is my control plane running.

Commvault leverages current generation, fully patched industry leading operating system releases to keep your control plane secure.

Q: What level of access will I have in the Cleanroom recovered control plane (CS)

You will have restore/recovery only access. You cannot use the Cleanroom recovered control plane to perform admin actions other than recovering applications into the cleanroom.

Q: How do I access the recovered Control Plane?

The recovered control plane is deployed on Commvault Cloud and can be access via fully qualified domain name URL that is available in cloud.commvault.com. The credentials to login to the recovered control plane are also available on cloud.commvault.com.

Q: How long can my Cleanroom Recovery Control Plane remain up and running?

Seven days (7). After which Commvault Cloud will automatically terminate the cloud control plane and any AWS resources restored during testing. If you need your AWS resources to be retained longer, then you need to disable automative "cleanup" option from the Recovery group configuration.

Q: Is Cleanroom recovery for AWS supported in both Commvault Software and SaaS?

Cleanroom for AWS is currently supported only in Commvault Software. SaaS support will be added in the future.

Q: Is AWS GovCloud Region supported as a Cleanroom Recovery target?

No. This will be added in the future.

Q: Are AWS China Regions supported as a Cleanroom Recovery target?

No. This will be added in the future.

Q: What workloads does Cleanroom recovery support?

Cleanroom recovery supports all the workloads that can be recovered into AWS. You can use orchestrated recovery groups for virtual machines and for other workloads you can execute out of place restore into the AWS cleanroom using the recovered control plane.

Q: Does Commvault automatically create the AWS account to be used for Cleanroom?

No. Customer needs to create the AWS account and verify the pre-requisites before performing Cleanroom Recovery.

Q: Does Commvault automatically create the AWS Cleanroom (Amazon VPC, Subnets, Network ACLs, Security Groups)

No, you shouldverify the pre-requisites are met before performing Cleanroom Recovery. This will be automated in the future.

Q: Does Commvault provide AWS CloudFormation templates to help customers build a cleanroom?

No. This will be done in the future.

Q: Does Commvault provide documentation or guidance on the recommended resources and configuration for a network isolated Cleanroom in AWS

No. This depends on the your requirements and the complexity of the applications being recovered into the Cleanroom

Q: Why do I need Cleanroom Recovery? What are the advantages of Commvault Cleanroom Recovery compared to current competitors?

Commvault Cleanroom Recovery provides:

- A comprehensive recovery solution that not only restores systems and data but also verifies their cleanliness they are clean of any cyber threats post-recovery. This dual focus on recovery and security within the same offering provides a significant advantage for customers concerned about the integrity of their data.

- Ease of use and seamless customer experience, reducing the complexity typically associated with recovery operations, and providing clear, actionable insights for users.

- Not just data recovery, but the complete restoration of entire applications, preserving business logic and performance characteristics, which is crucial for enterprise-level operations.

- Ability to automate the creation of Cleanroom environments on demand presents a cost-effective solution that reduces the complexity typically associated with such operations. This simplification extends to all types of workloads, ensuring a seamless recovery experience.

- Regular recovery testing is key to being cyber recovery ready. Recovery testing of mission critical applications along with validated recovery of Commvault Cloud control plane makes your business resilient to unplanned data loss of both your applications and your data protection platform.

Q: Does Cleanroom Recovery work in my multi-account landing zone? Where should I place the Cleanroom?

Yes, Cleanroom Recovery works in environments using multi-account *landing zones*. Commvault recommends that Cleanroom accounts are created to segregate based on risk.

A good starting point would be to have:

- A Cleanroom Account in the Infrastructure OU for Production application recovery validation
- A Cleanroom Account in the Security OU for safe forensic recovery testing

Q: Does Commvault Cloud and Cleanroom Recovery in AWS support IAM Roles Anywhere?

No, not at this time.

Q: How is Commvault Cleanroom Recovery in AWS related to AWS Clean Rooms?

These services are not related.

Q: Can I perform a Cleanroom Recovery to my AWS Outposts resources

Yes.

Q: Can I perform a Cleanroom Recovery to an AWS Local Zone or AWS Dedicated Local Zone close to my customer or team?

Yes.

Q: Can I pre-create my Cleanroom Recovery accounts and targets, and configure them in my Commvault Cloud control plane?

A: Yes, you can pre-create Cleanroom Recovery accounts and targets, and use them for periodic recovery testing. However, we recommend using new accounts and targets during cyber event.