**Backup & Recovery**

All AWS Services handle backup options differently.  There are some tools that are common across services.  This documentation walks customers through common tools that can be used within AWS.

**Services offered by KBS:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **​​​Tool Name** | **Supported Services** | **​Manual Restore Process** | **​​KBS M​managed or Self Service** | **Licensing Costs**​ ​ | **Region Availability​** | **Account Type Availability​** |
| ​CPM | ​EBS, RDS, Aurora, Redshift, Dynamo | ​No - Orchestrated by Tool | ​KBS Managed | Yes​ - $17 per month per instance | ​All KBS Supported Regions | NG & Legacy​ |
| ​AWS Backup | ​EBS, DynamoDB, RDS, EFS, Storage Gateway | ​Yes | ​Self Service | No​ | All KBS Supported Regions where AWS has service available  ​ | ​NG & Legacy |
| ​ DLM | EBS​ | ​Yes | Self Service​ | ​No | All KBS Supported Regions​​​ | NG Only​ |
| EFS - EFS​​ | EFS​ | ​​Yes | Self Service​ | No​ | All KBS Supported Regions​​​ | NG & Legacy​​ |
| ​Data Protector | ​SAP/HANA/SYBASE/SQL | No - Orchestrated by Tool | ​KBS Managed​ | [Current CompLev Costs](http://kbs.khc.local/accounting/customer/ETS%20Service%20Catalog/2019)​ | ​Currently US East | Legacy​ |

**Overview for CPM:**

Cloud Protection Manager (CPM) is a service offered by KBS to manage snapshots for the following AWS

* EC2
* EBS Volumes
* RDS Databases
* Aurora Clusters
* Redshift Clusters
* DynamoDB Tables

**Service Levels:**

**CloudRec**

CloudRec allows the flexibility in the tool to manage your environment. A base setup for the tool is created and the management of the snaps is done by the users.

**CloudLev**

CloudLev allows for KBS to manage your snapshots with the tool. Any requests for restoration can be utilized through ServiceNow and Compass.

Once the service is established, you have the option in AWS Service Catalog to use the CPM option and the new instance will automatically be protected. To establish this service the customer needs to put in a servicenow ticket or contact the recovery team to have backups in CPM.

**Restoring a snapshot from CPM:**

For Cloud Protection Manager (CPM), use the latest user documentation guide available from N2WS.​​

<https://n2ws.com/support/documentation>

**Performing a file level restore:**

For Cloud Protection Manager (CPM), use the latest user documentation guide available from N2WS.​​

<https://n2ws.com/support/documentation>

**Restore time from CPM:**

In an event of disaster to do a restore from CPM it takes between 5mins to 30mins.

**Overview for AWS Backup:**

​AWS Backup is a **customer managed** backup option for [several ​](https://aws.amazon.com/backup/)AWS Services.​​  The service is allows customer to create a backup vault and backup plan and schedule and restore backups without KBS involvement.

# **Key Terms​**

* Vault - container that you organize your backups in​.  A vault can contain backups from different services and can be secured by creating a access policy.
* Backup Plan - policy expression that defines when and how you want to back up your AWS resources.
* Recovery Point - Recovery point is a term that is used to refer generally to the different backups in AWS services

## Tagging

The AWS Backup service has tagging integrated at the vault level and at the backup plan level.  It is critical that users tag required tags to ensure proper back bill of created resources at both the vault level and backup plan level.  At the backup plan level, tags defined are replicated down to snapshots created in the service.  ​ If a customer is leveraging AWS Teams, adding key team and value {yourteamname} will ensure you get access to snapshots associated with your instances.

### **Example Config**

Since the three resources have a common tag called itemid mycoolapp, when creating the backup plan using tag itemid mycool app to onboard the resources for backups will onboard the ec2, rds and storage gateway resources.  They will then have on the backups taken the tags defined in the backuplan, blc, costcenter, itemid and owner.

A screenshot of a cell phone

Description automatically generated

For further documentation for AWS Backup service please click the link below:

<https://aws.amazon.com/backup/>