**Lifecycle manager:**

With Amazon Data Lifecycle Manager, you can manage the lifecycle of your AWS resources.

You create lifecycle policies, which are used to automate operations on the specified resources.

**Benefits:**

**Automated snapshot and AMI creation**

Create a policy that automates the creation, retention, and deletion of EBS snapshots and EBS-backed AMIs.

**Fast snapshot restore integration**

Automate the creation of snapshots that are enabled for fast snapshot restore. Fast snapshot restore enables you to restore volumes that are fully initialized at creation and instantly deliver all of their provisioned performance.

**Built-in cross-Region copy**

Automatically copy snapshots that are created by a lifecycle policy to up to three AWS Regions.

**Automated cross-account snapshot copy**

Use cross-account sharing in conjunction with a cross-account copy event policy to automatically share and copy snapshots created by a policy across accounts.

**Policies:**

EBS Snapshot Policy

EBS backed AMI policy

Cross account copy-event policy

**Target resource tags**

Amazon Data Lifecycle Manager uses resource tags to identify the resources to back up. Tags are customizable metadata that you can assign to your AWS resources (including Amazon EC2 instances, EBS volumes and snapshots). An Amazon Data Lifecycle Manager policy (described later) targets an instance or volume for backup using a single tag. Multiple tags can be assigned to an instance or volume if you want to run multiple policies on it.

Resource type—Defines the type of resources that are targeted by the policy. Snapshot lifecycle policies can target instances or volumes. Use VOLUME to create snapshots of individual volumes, or use INSTANCE to create multi-volume snapshots of all of the volumes that are attached to an instance.

**Policy schedules**

Policy schedules define when snapshots or AMIs are created by the policy. Policies can have up to four schedules—one mandatory schedule, and up to three optional schedules.

Adding multiple schedules to a single policy lets you create snapshots or AMIs at different frequencies using the same policy. For example, you can create a single policy that creates daily, weekly, monthly, and yearly snapshots. This eliminates the need to manage multiple policies.

You can create up to 100 lifecycle policies per Region.

You can add up to 45 tags per resource.

Hand-on: https://n2ws.com/blog/how-to-guides/automate-amazon-ec2-instance-backup

Pushing ec2 log files to cloud watch

<https://docs.aws.amazon.com/AmazonCloudWatch/latest/logs/QuickStartEC2Instance.html>

https://youtu.be/ZCHwJLqPLj8