How can we verify Cloudformation templates within an environment?

**Question**

1. Are you looking to validate CFT before deployment?
   1. What is **CloudFormation lint**?
      1. cfn-lint is a command line tool which examines your CloudFormation template and returns various suggestions.
      2. This way we can make sure any cloudformation we deploy into the environment does not roll back

Create json connection script for lucidscale

* Ask if Json script is to establish connectivity or create documentation?
* We can create an lucidscale IAM user in the target AWS environment and grant readonly permission for lucidscale to access resources within that AWS account.

Use cases for Lucidscales

* 1. Can use for documentation
  2. Cost savings
  3. Troubleshooting
  4. Security and Compliance

Migrating DB to document db

* We can use two commonly used tools;
  + **DMS** tool within aws to migrate db to aws documentdb
  + Command line utilities like **mongodump** and **mongorestore**
* We will need to of course establish connectivity between source db and target environment
* Create indexes in the Documentdb to reduce overhead time and increase speed

Migrating elasticsearch to opensearch

* We can Migrate by upgrading
* OpenSearch 1.0 is the current version
* Need to identify what version of elastic search we are on
* If we are on any version older that **6.8.0,** then we need to upgrade to 6.8.0 to 7.10.2 before upgrading to 1.0 (OpenSearch Version)
* If the current indeces are 5.0 or lower, then they will need to be reindexed to 6.0 or higher before upgrade