- 2. Configure Stackdriver monitoring on an AWS EC2 instance using the monitoring agent. Also explore how to monitor both AWS and GCP projects at a single place.
 - 1. Create a new GCP project or use an existing one.
 - 2. Create a Workspace:
 - a) In the GCP Navigation menu, Under Stackdriver, click on Monitoring.
 - b) If the 'Add your project to a Workspace' dialog is displayed, create a new Workspace by selecting your GCP project under New Workspace and then clicking Add.
 - 3. Create an AWS role:
 - a) Log into your AWS IAM console and in the menu, click on Roles.
 - b) Click on Create New Role.
 - c) For Role type, select Another AWS account.
 - d) In Account ID field, enter the account ID provided to you by Stackdriver.
 - e) Check Require external ID.
 - f) In the External ID field, enter the external ID provided to you by Stackdriver.
 - g) Don't select Require MFA.
 - h) Click on Next.
 - i) In Policy names, select ReadOnlyAccess and click on Next.
 - j) Review the configuration and click on Create Role.
 - k) You'll see a summary page. Copy the Role ARN.
 - 4. Add and AWS account to an existing Workspace:
 - a) Go to Stackdriver Monitoring console.
 - b) In the Workspace menu, select your Workspace.
 - c) Click on Workspace Settings.
 - d) Click on Monitoring accounts.
 - e) Click on Add AWS account and enter the Account ID and External ID.
 - f) In the Role ARN field, enter the Role ARN that you had copied while creating the AWS Role. Enter a short description.
 - g) Click on Add AWS account.
 - 5. Create a service account:
 - a) Open the Service accounts page under IAM & Admin.
 - b) Select the AWS connector project.
 - c) Click on Create service account.
 - d) Give it an appropriate name.
 - e) In the Role field, for Monitoring, set Monitoring Metric Writer and for Logging, set Logs Writer.
 - f) Select the Furnish a new private key checkbox.
 - g) For Key type, select JSON.
 - h) Uncheck the 'Enable G Suite Domain-wide Delegation' box.
 - Click on Create and download the private-key file. Save the location of the credentials file in the variable CREDS on your workstation: CREDS="path/to/[PROJECT_NAME]-[KEY_ID].json"
 - 6. Add a service account to a VM instance:
 - a) From your workstation, copy the Stackdriver private-key credentials file to your AWS EC2 instance and save it in a file named temp.json by running the following command: scp -i "/path/to/key.pem" "\$CREDS" AWS_USERNAME@AWS_HOSTNAME:temp.json
 - b) On your EC2 instance, move the credentials to /etc/google/auth/application_default_credentials.json.
 - 7. Install the Stackdriver Monitoring and Logging agents by running the following commands: curl -sSO https://dl.google.com/cloudagents/install-monitoring-agent.sh sudo bash install-monitoring-agent.sh

 $curl\ -sSO\ https://dl.google.com/cloudagents/install-logging-agent.sh\ sudo\ bash\ install-logging-agent.sh\ -structured$

8. Now, you can use Stackdriver services with AWS.