Following are the Technologies are required to deploy code on cloud

1. Docker
2. Spring Boot
3. Scripts in grovvy
4. Jenkins
5. aPass
6. Java
7. Any application server
8. Sonar Cube

Below are basic steps to deploy the API to cloud environment

We need book the domain on cloud environment. Once we have domain then we can have devOpps plan as follows

There will be DevOpps Pipeline which should have following steps

1. Pre-flight - This stage is responsible for doing rudimentary checks before processing the commit that triggered the build

2. Checkout - this stage clones the project repository and check out onto the branch specific to pipeline.

3. Build - In this stage, the project is build and upload archives task is run to upload the project artifacts

4. Code Analysis - In this stage, static code analysis will be done using sonar cube.

5. Docker Build - This stage is responsible for doing the actual docker or image build.

6. Deploy - This manages the actual deployment of application.

7. Acceptance Tests - After deployment completes it will run the acceptance tests.

8. Promotion - This will promote image using docker registry.