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## Install Jenkins with Docker

- 1. Install **Docker** on your personal laptop or Cloud instance or Virtual Machine.
- 2. Download and Run Jenkins in Docker
- 3. Get Admin Password for Jenkins Setup
  - docker exec -it blueocean[name of your container] /bin/bash
  - cat /var/jenkins home/secrets/initialAdminPassword or
  - o docker logs <<CONTAINER\_ID>>

## Install and Configure SonarQube

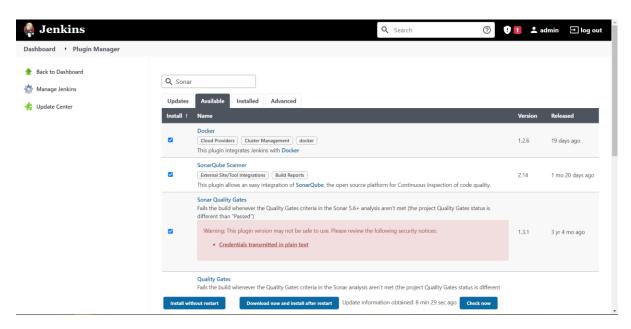
Install and Configure SonarQube <a href="https://agile-devops-sre.com/2022/01/03/install-and-configure-sonarqube/">https://agile-devops-sre.com/2022/01/03/install-and-configure-sonarqube/</a> in EC2 instance (t2.small – Not available in free tier) or in your Laptop if Docker is setup in Laptop.

**Note:** In this case, you can have your SonarQube installed on your laptop. Docker is also available on your laptop where you are running Jenkins. Hence your Jenkins will be able to access localhost:9000 for SonarQube as all setup is available on same system.

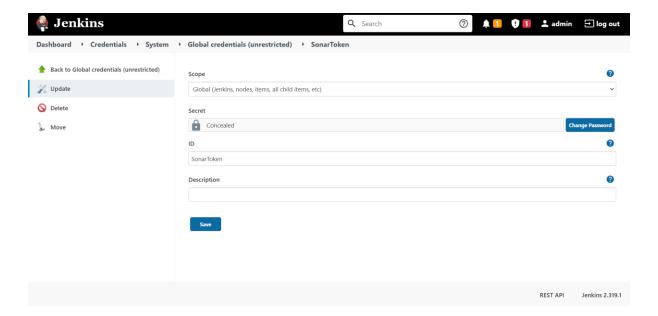
## Jenkins and SonarQube Integration

Install Plugins for Docker and SonarQube as Docker containers will be used as Agent in Pipelines. For SonarQube, SonarQube Scanner and Quality Gates plugins are required.

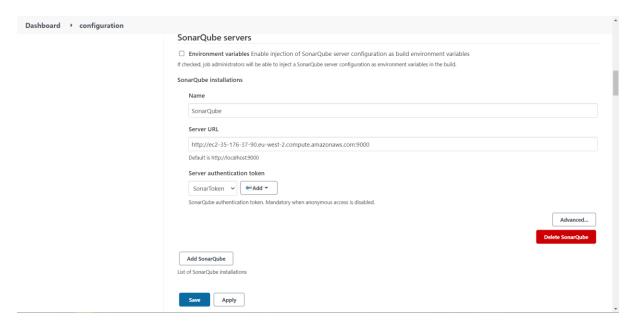
1. Jenkins Dashboard -> Manage Jenkins -> Manage Plugins -> Available Tab



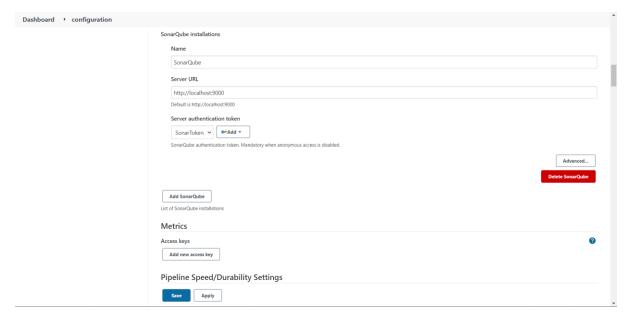
2. Create Credential for SonarToken in Jenkins



- 3. Go to Manage Jenkins -> Configure System -> SonarQube.
- 4. Add SonarQube Server Details.



Or



Done!