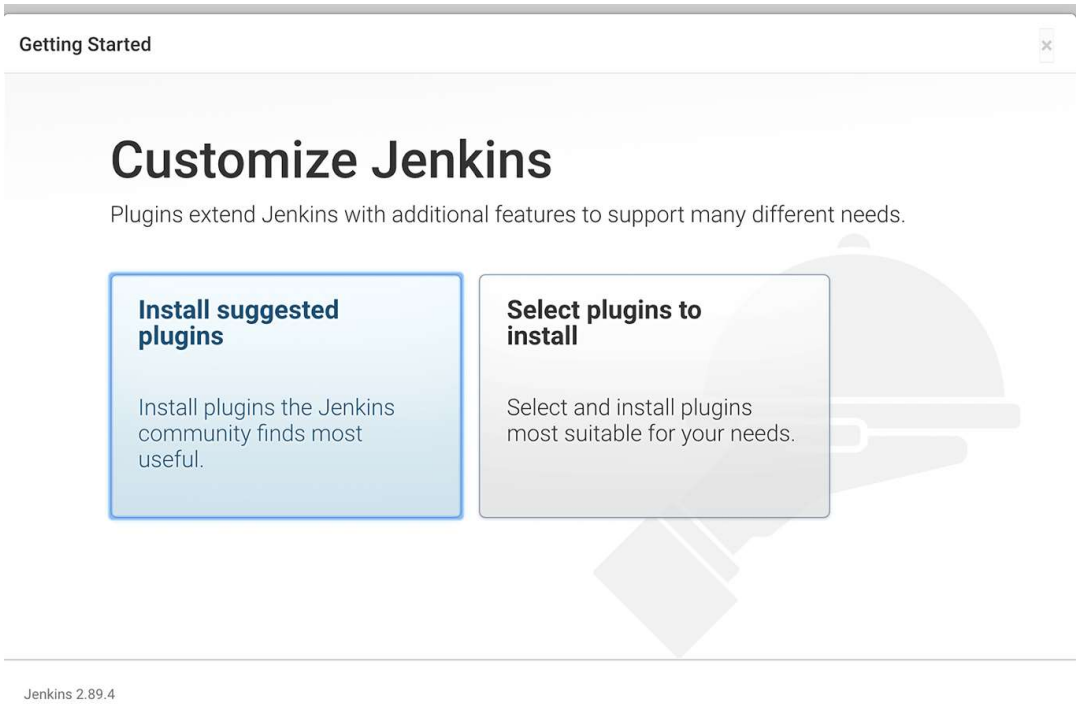
Installing and Setting up Jenkins

Setting up Jenkins

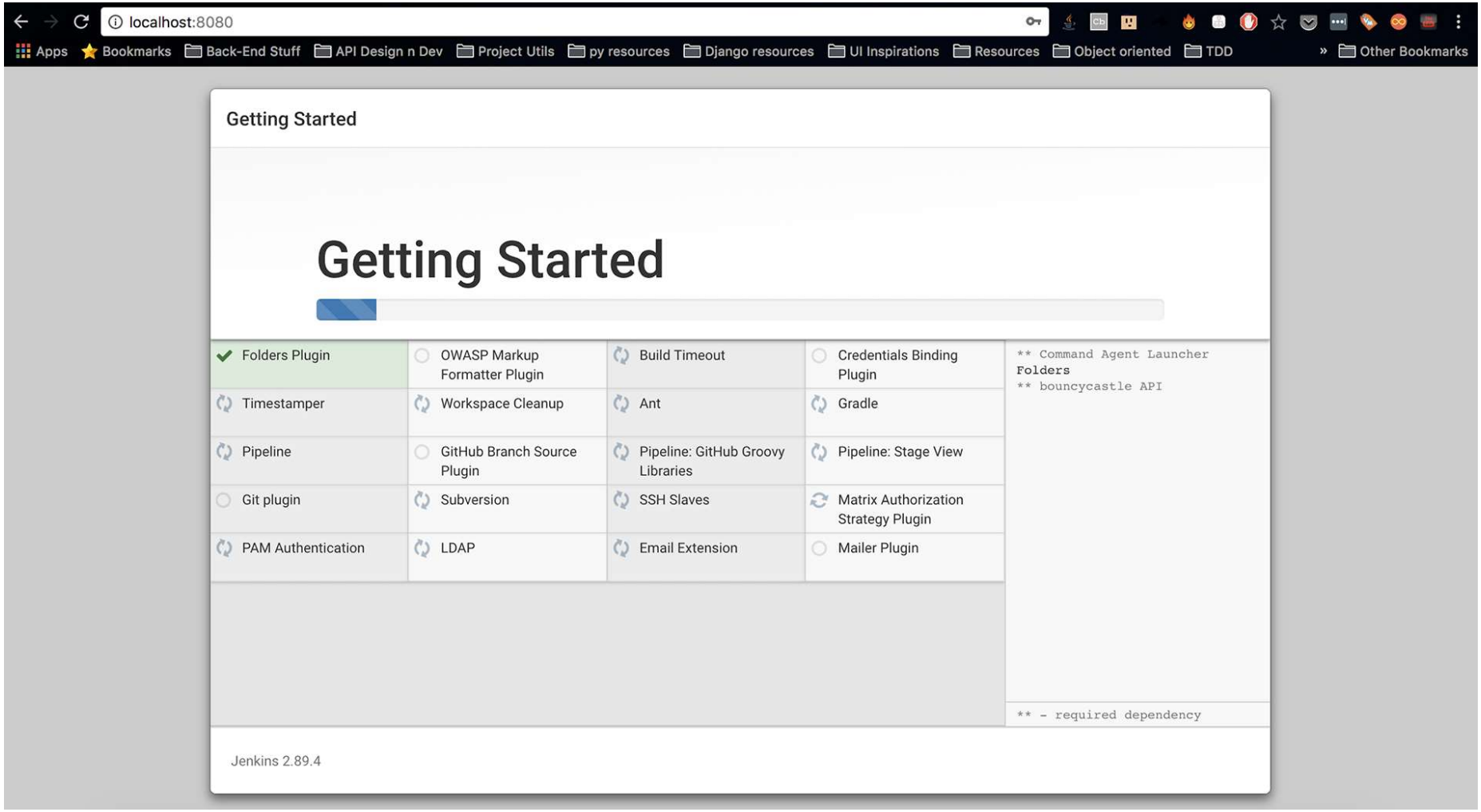
- Visit:
  - http://your_ip_or_domain:8080

- Take password:
  - sudo cat /var/lib/jenkins/secrets/initialAdminPassword

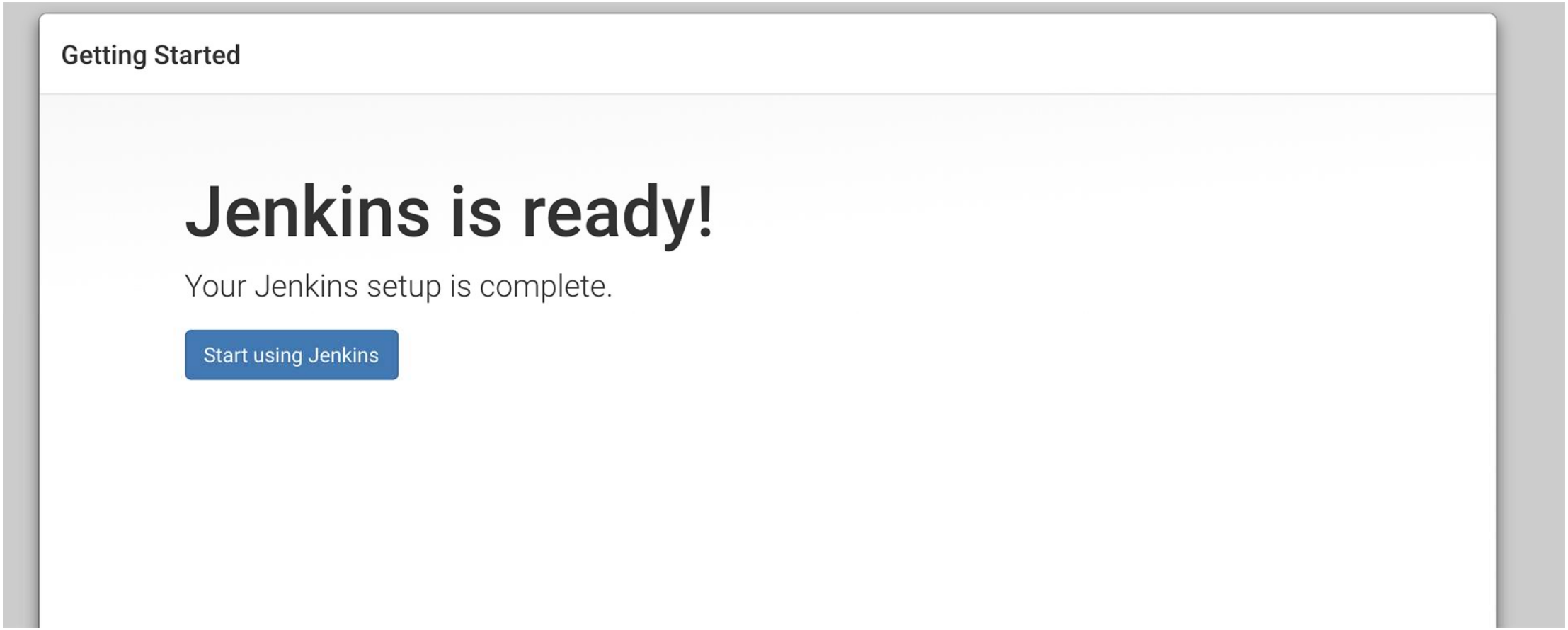


- Click on the Install suggested plugins box
- Once the plugins are installed, you will be prompted to set up the first admin user
- Fill out all required information and click Save and Continue

Setting up Jenkins

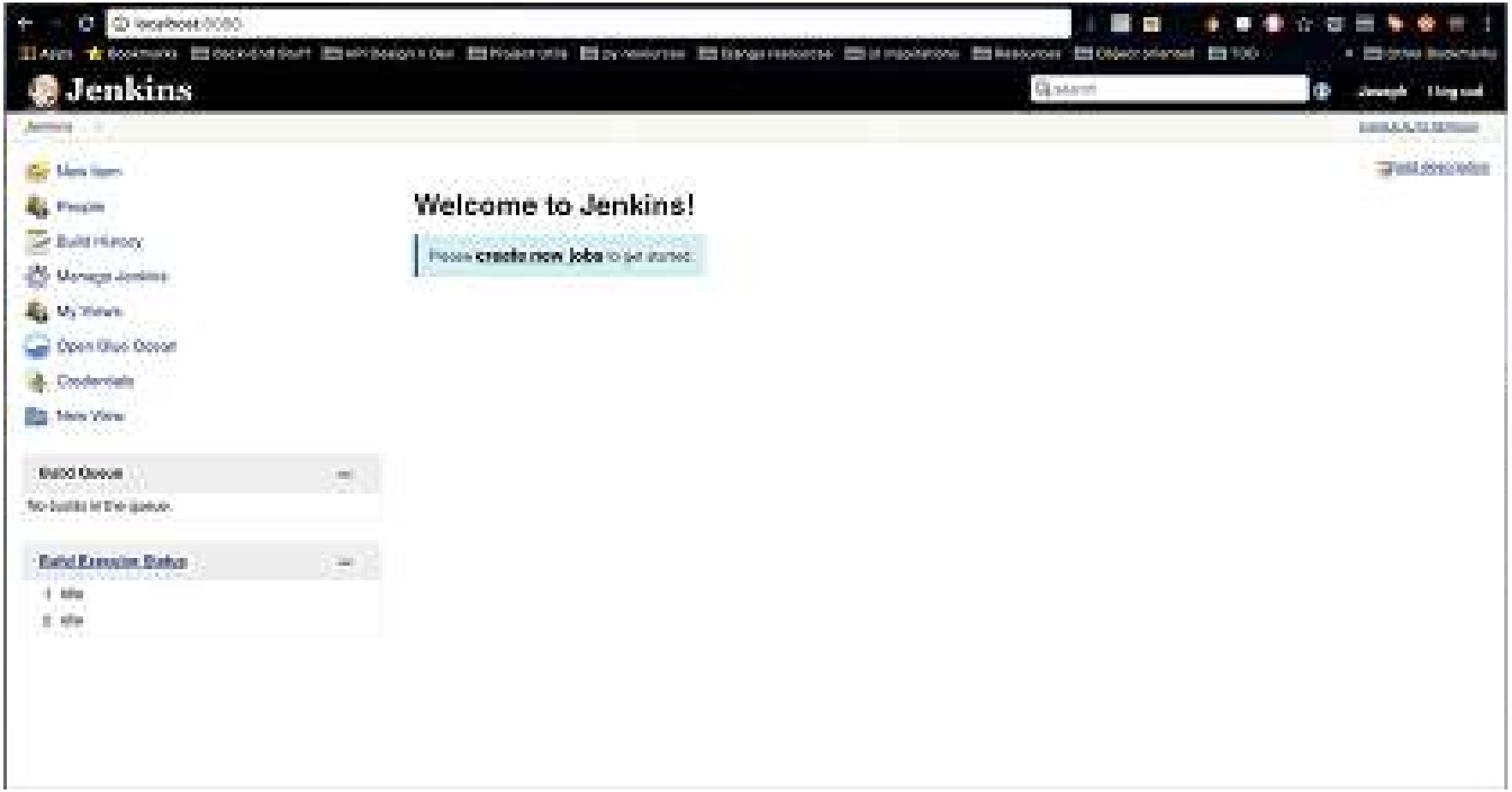


Setting up Jenkins



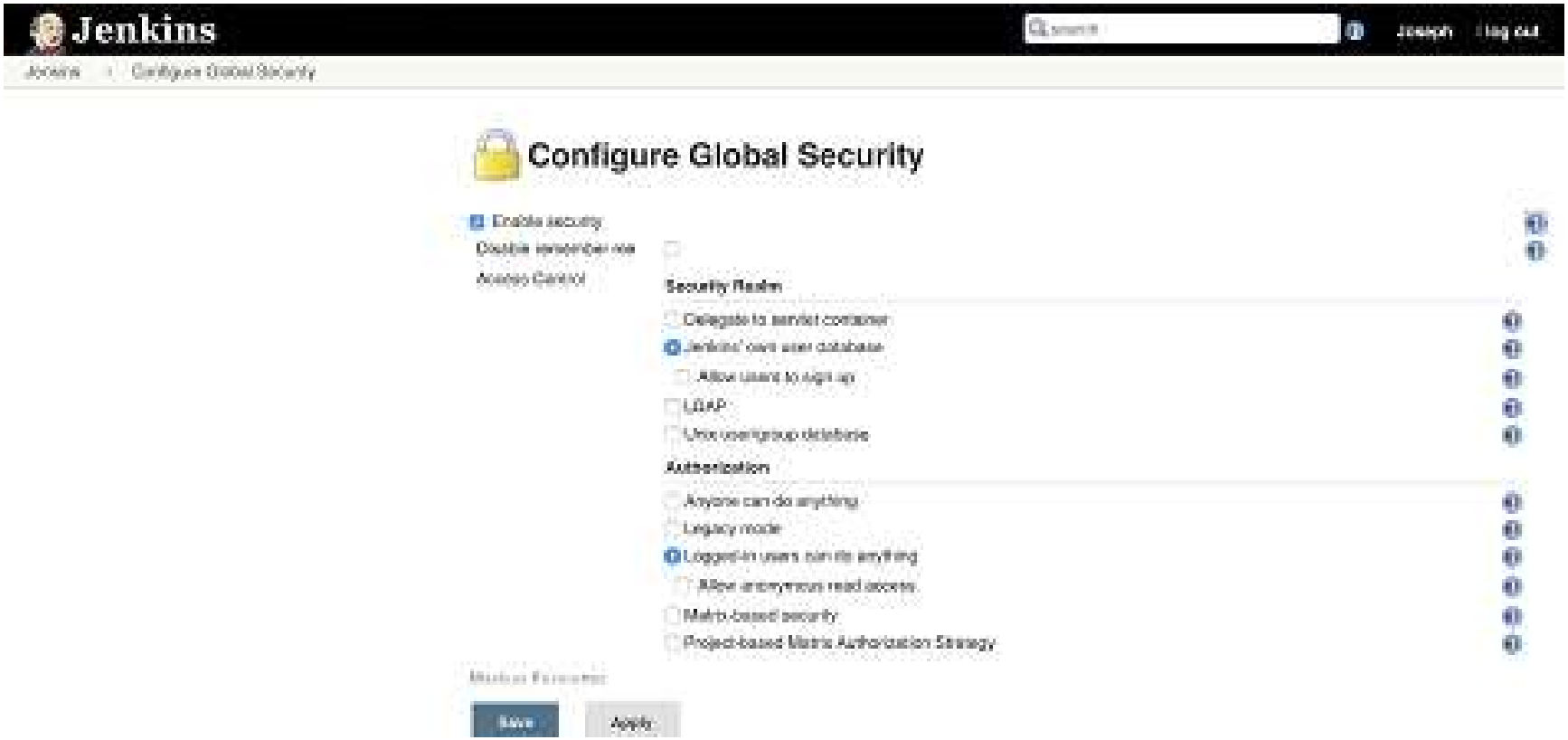
The Jenkins Dashboard

- Central point of all operations in our pipelines and projects.

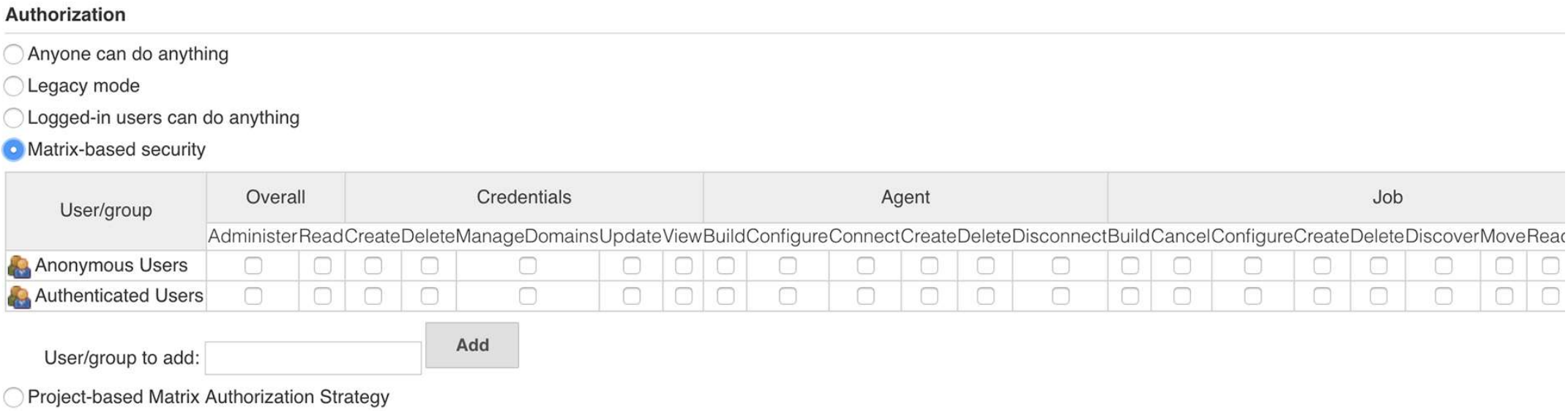


User Management

- Describes the ability of administrators to control access to resources
- Open Manage Jenkins and then select the **Configure Global Security** settings as follows



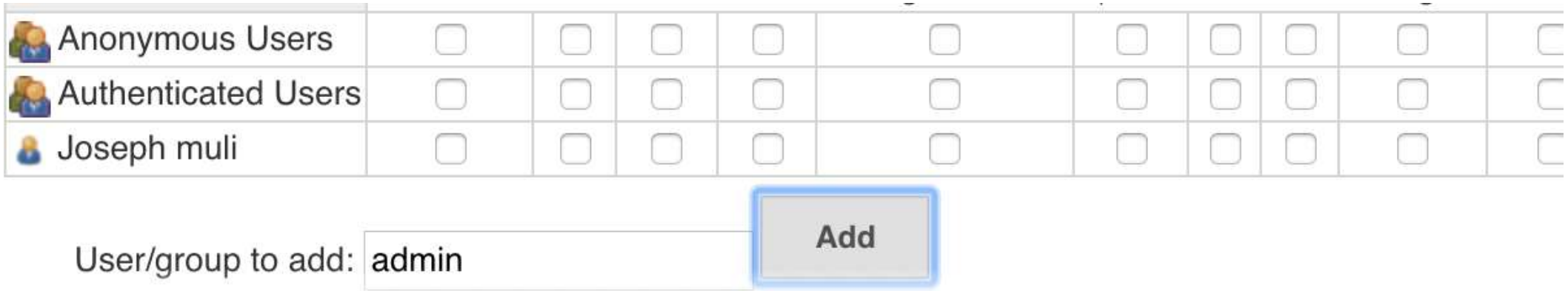
User Management and Security



- Matrix-based security
  - Allows Admin to grant permissions in groups

User Management and Security

- Click on Add, and user first and last names should appear on the list.
- Select all checkboxes for the administrator, and then select Apply and save the changes



Note: Need to first create a user – **Manage Jenkins -> Manage Users**

Assignment: User Management and Security

- Scenario: You have been asked to create two user accounts:
  - Ops engineer and a developer account
- Both users should have different access levels from the administrator account
- The Ops engineer will only not be able to do the following
  - Administer
  - Create credentials
  - View credentials
  - Delete credentials
  - Update credentials
- The developer will only be able to have overall Read permissions.

Steps for Completion

- Select the Manage Jenkins option from the configuration panel
- Select the Manage Users option
- Select the Create User option on the left-hand side navigation bar
- Go to the Configure Global Security option
- Under Authorization, select Matrix-based security
- Add the new users.
- Update the users' permissions as shown in the following screenshot:

Steps for Completion

Matrix-based security

User/group	Overall		Credentials						Agent					
	Administer	Read	Create	Delete	ManageDomains	Update	View		Build	Configure	Connect	Create	Delete	Disconnect
Anonymous Users	☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐
Authenticated Users	☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐
Joseph muli	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑	☑	☑	☑
Ops Engineer	☐	☑	☑	☑	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐
Dev One	☐	☑	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐

thanks