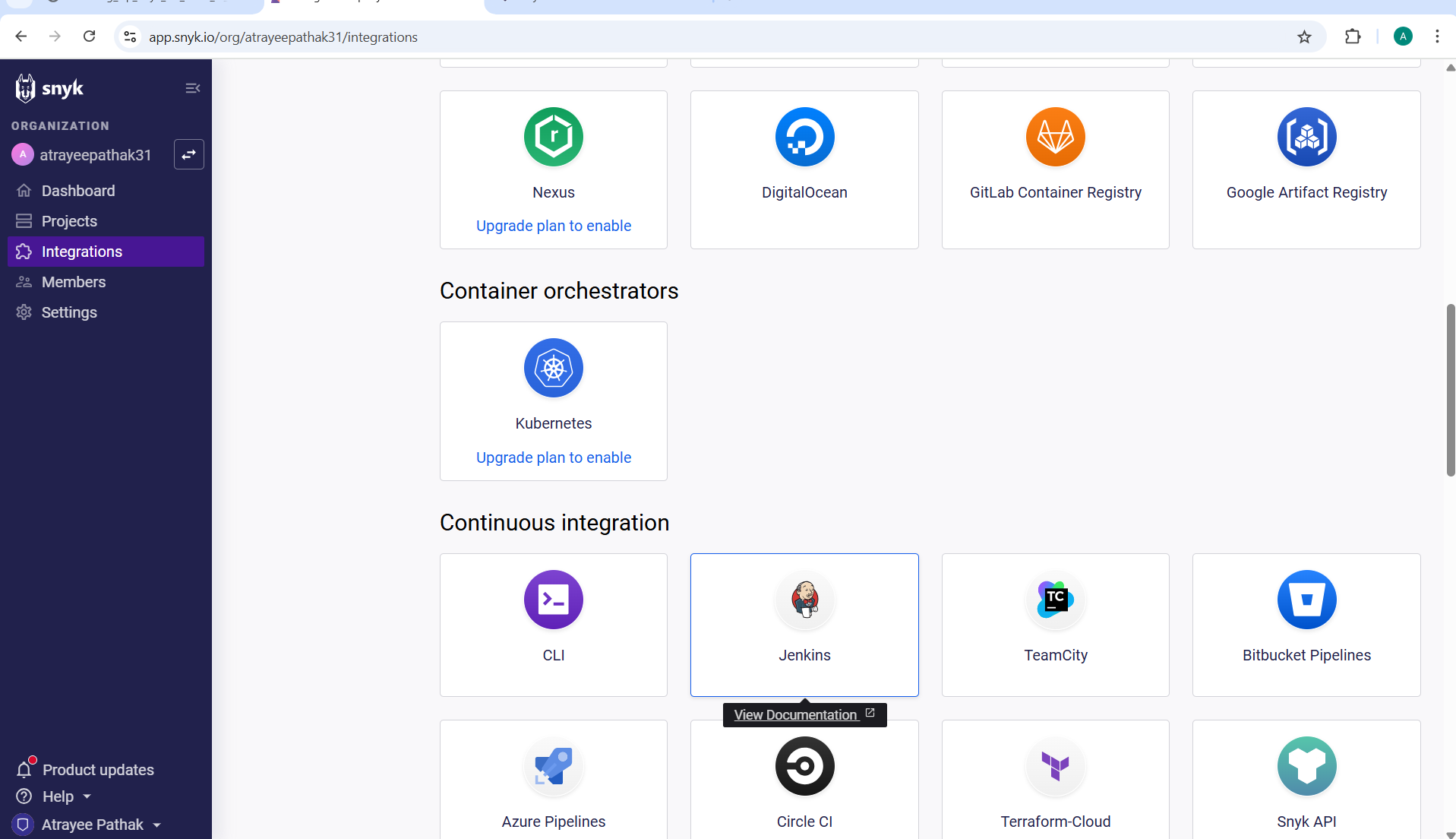
**Lab Exercise 9**

**Setting up Snyk for SAST in Jenkins**

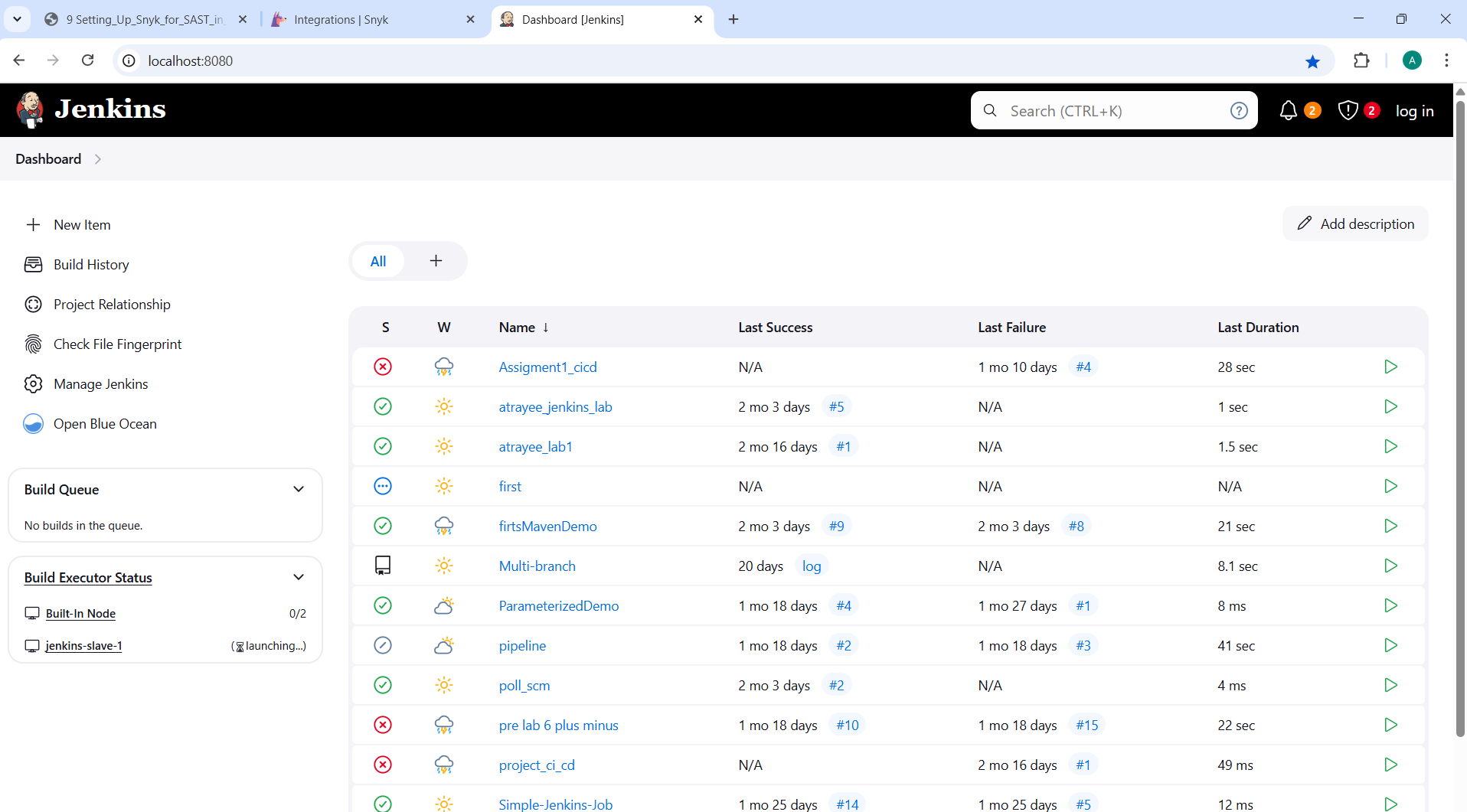
Step 1: Configure Snyk as a SAST scan tool

Visit https://snyk.io/, sign up for a new Snyk account, and log in

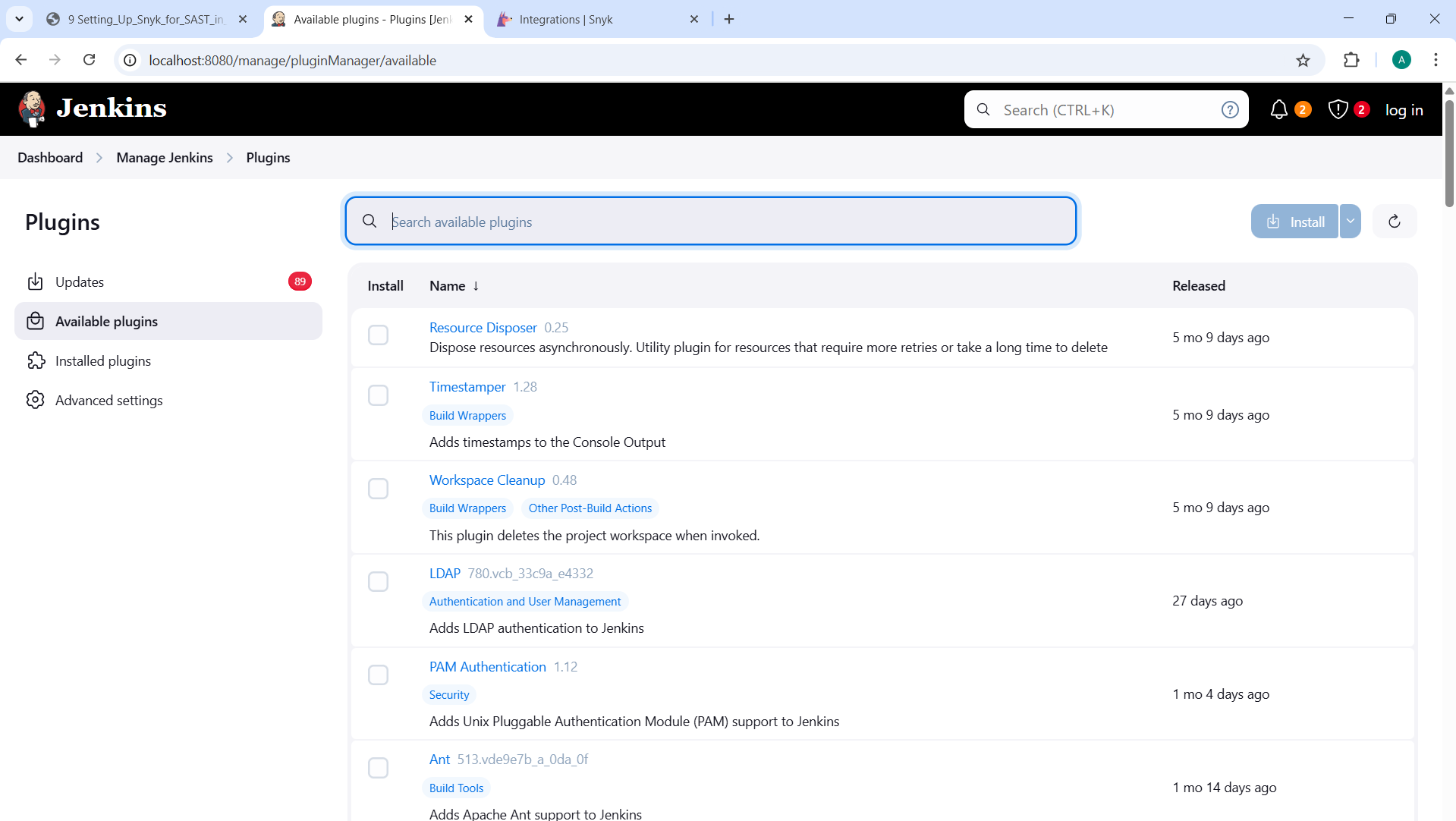


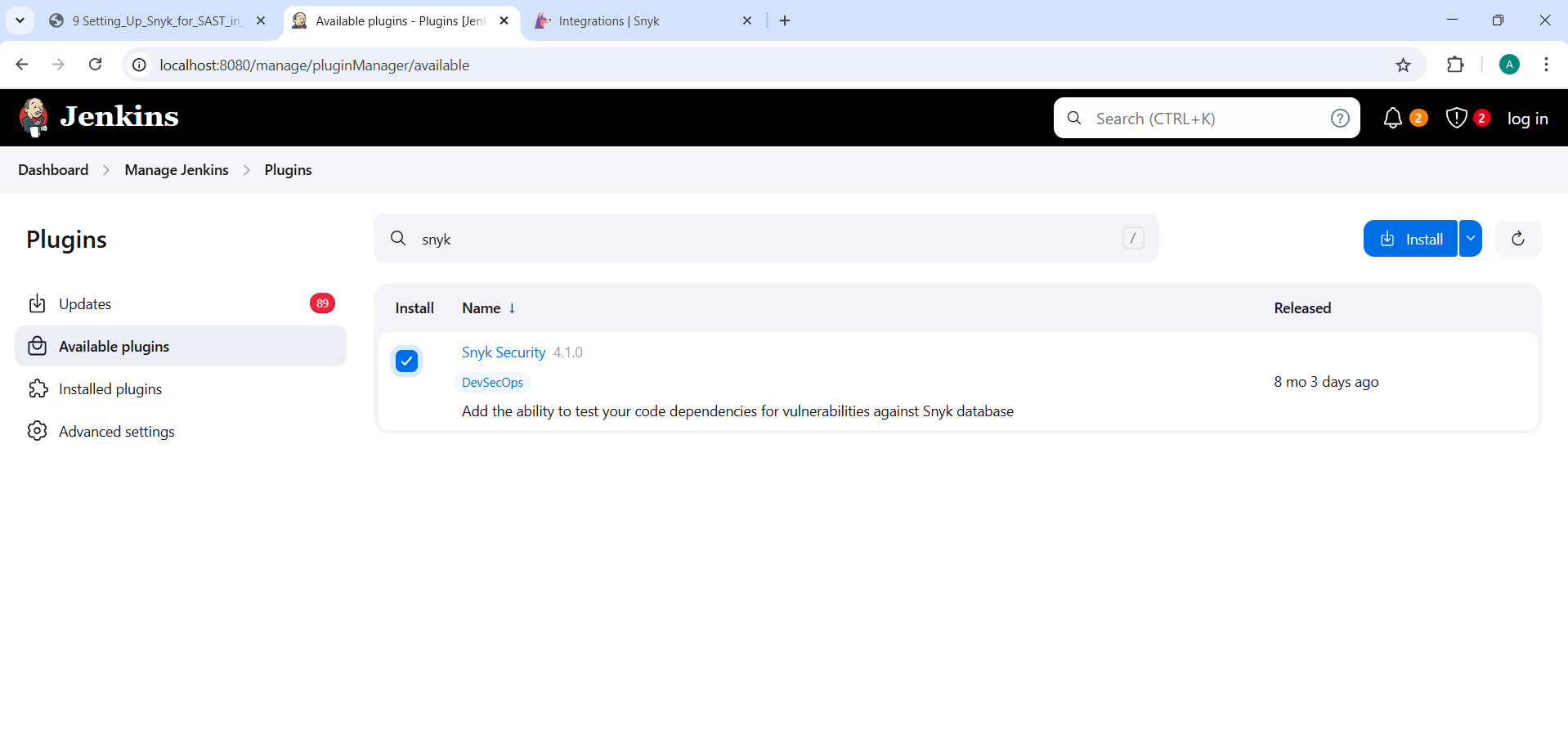
Step 2: Create and configure a Jenkins job for Snyk integration

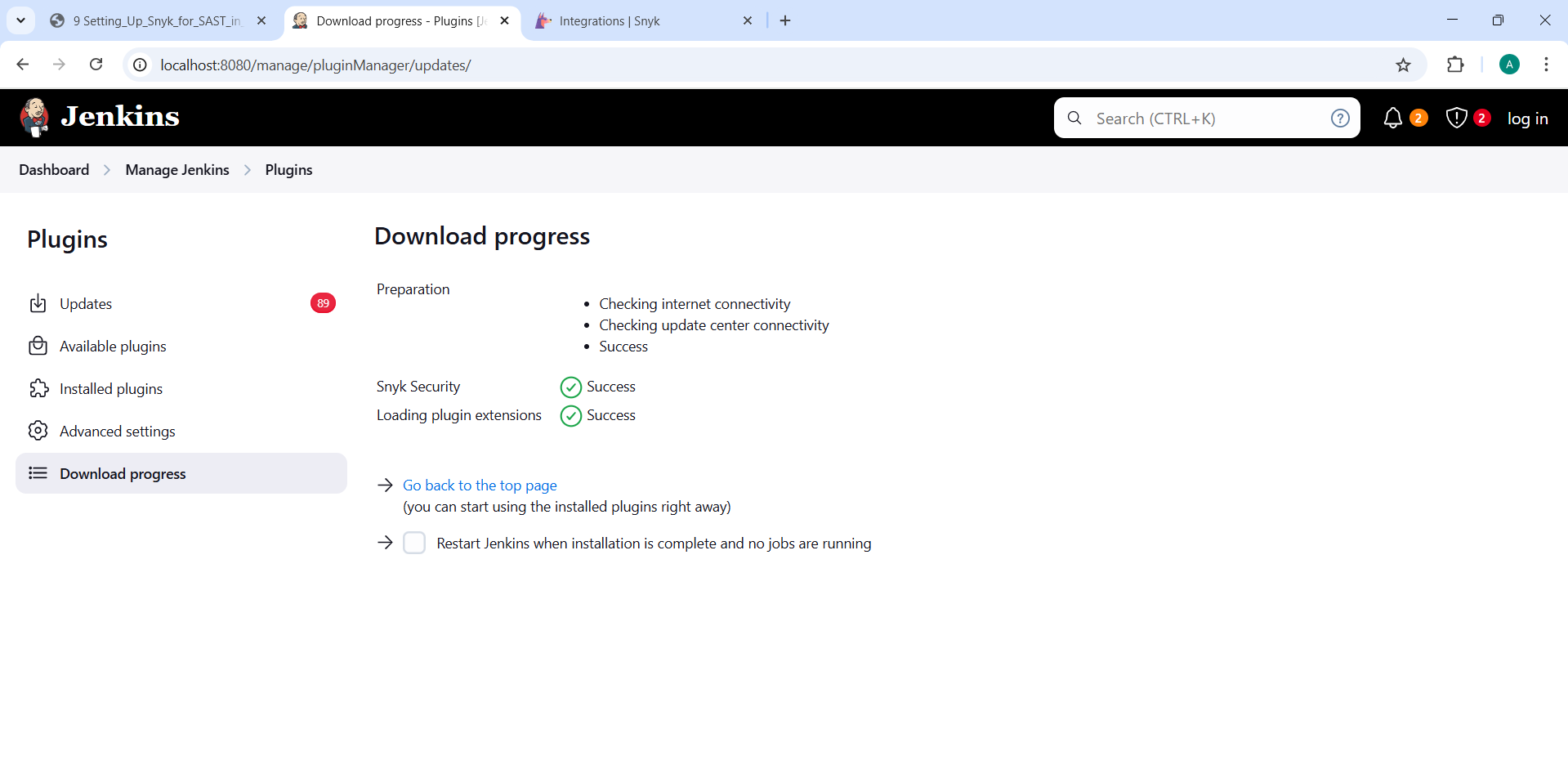
2.1 Open Jenkins and log in to the Jenkins account:



2.2 To install the Snyk plugin, navigate to Manage Jenkins and click Available Plugins, search for Snyk Security plugin, and then click Install

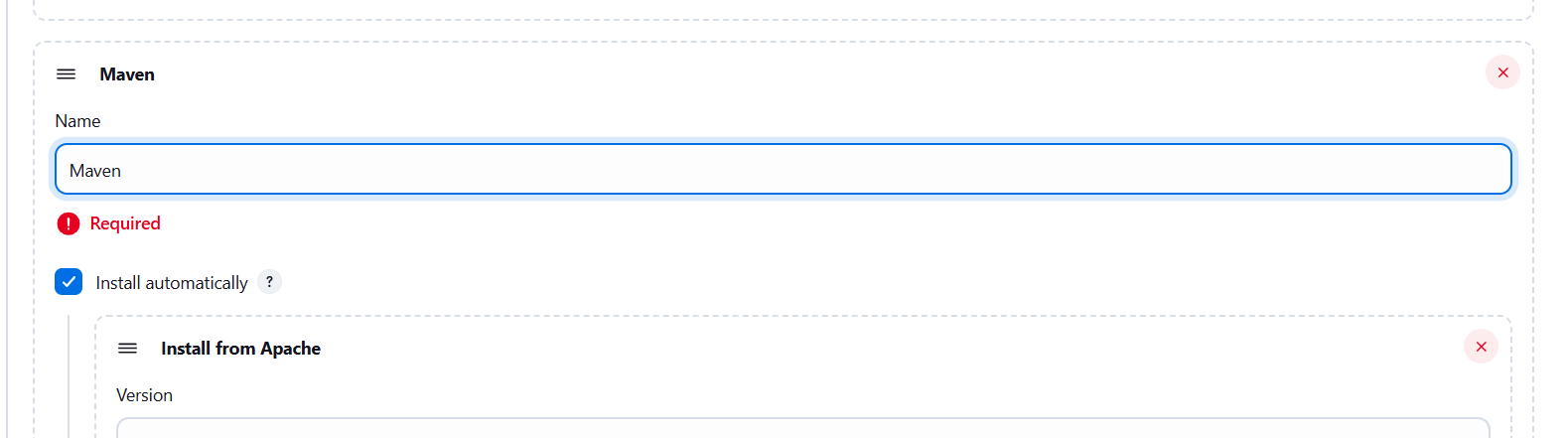




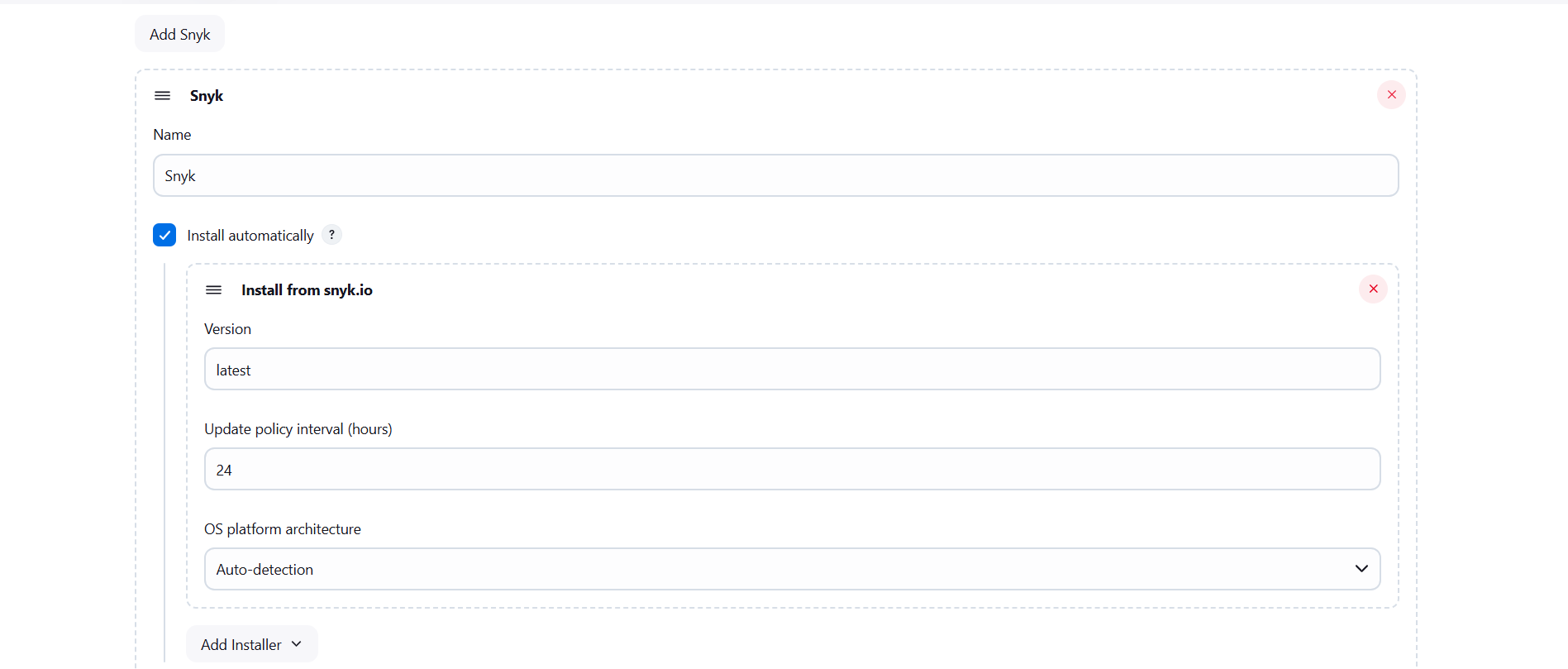


2.3 To configure Maven and Snyk in the Global Tool Configuration, click on Tools inside Manage Jenkins

2.4 To add Maven, click on Add Maven under Maven installations and enter Maven as the Name

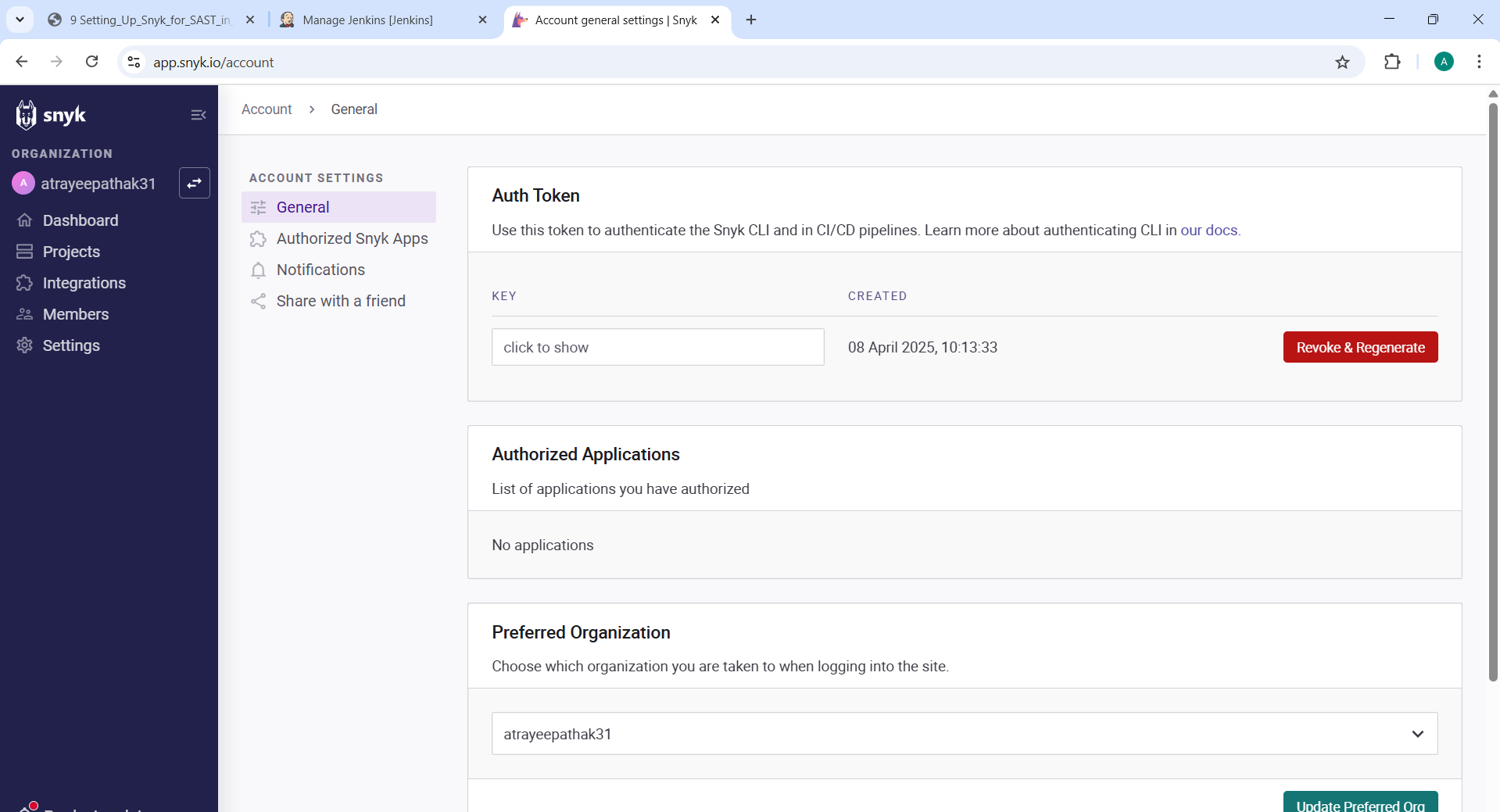


2.5 To add Snyk, click on Add Snyk under Snyk Installations, add Name as Synk, and click on the Save button

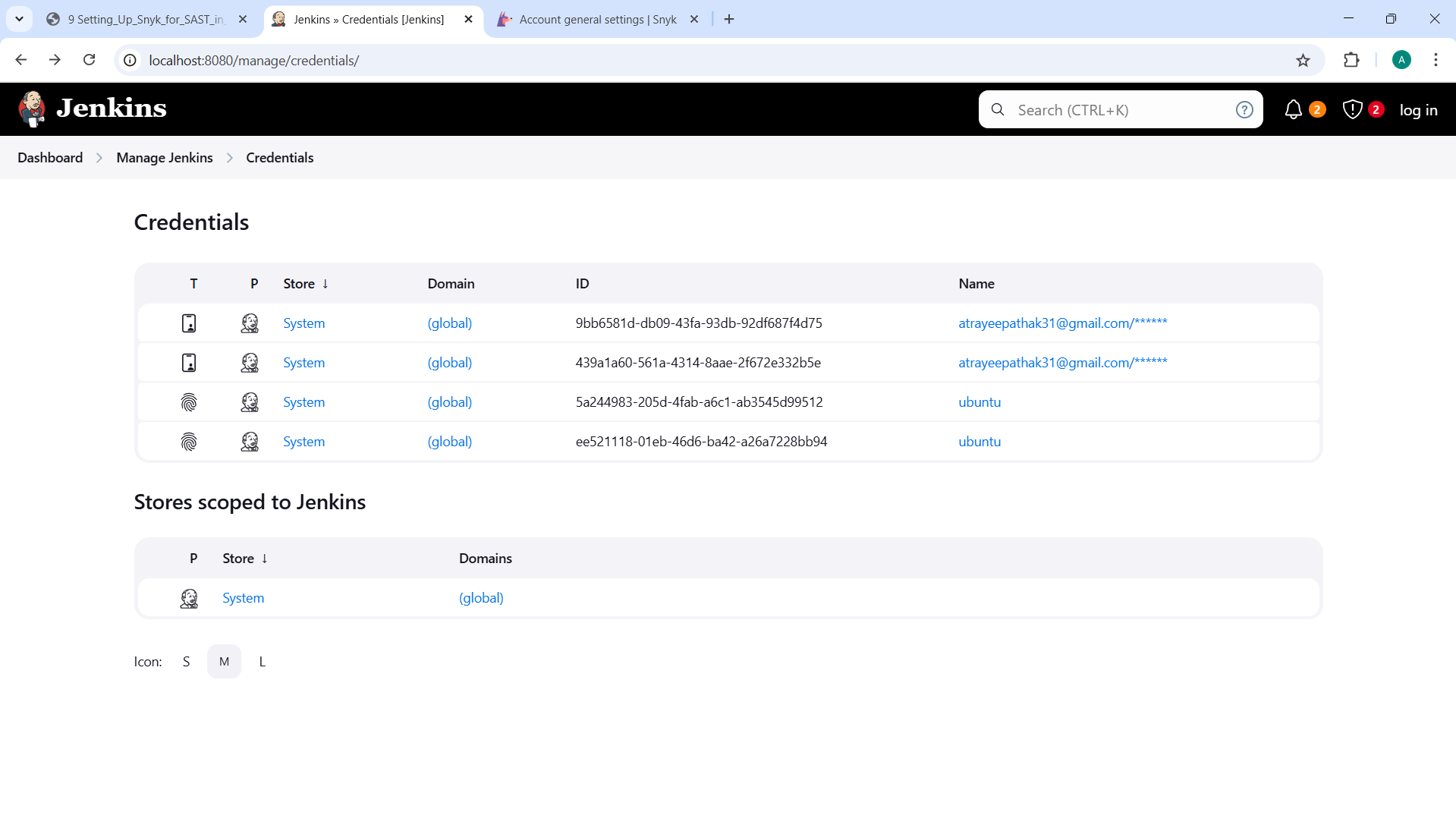


Step 3: Manage Snyk API and Jenkins credentials

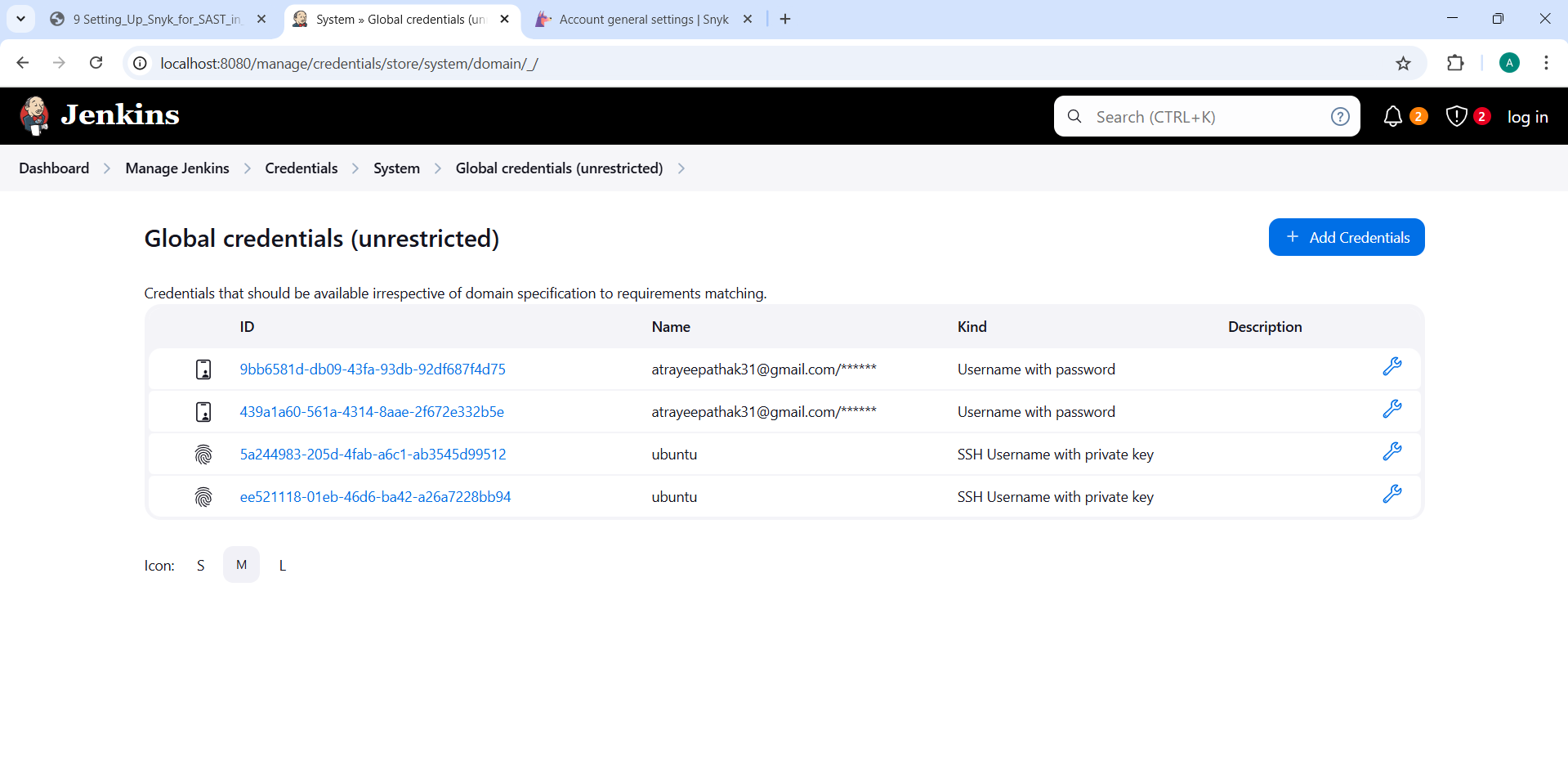
3.1 To retrieve your Snyk API token, go to Account Settings in your Snyk account, click on Click to show under the Auth Token key field, and copy the token for further reference

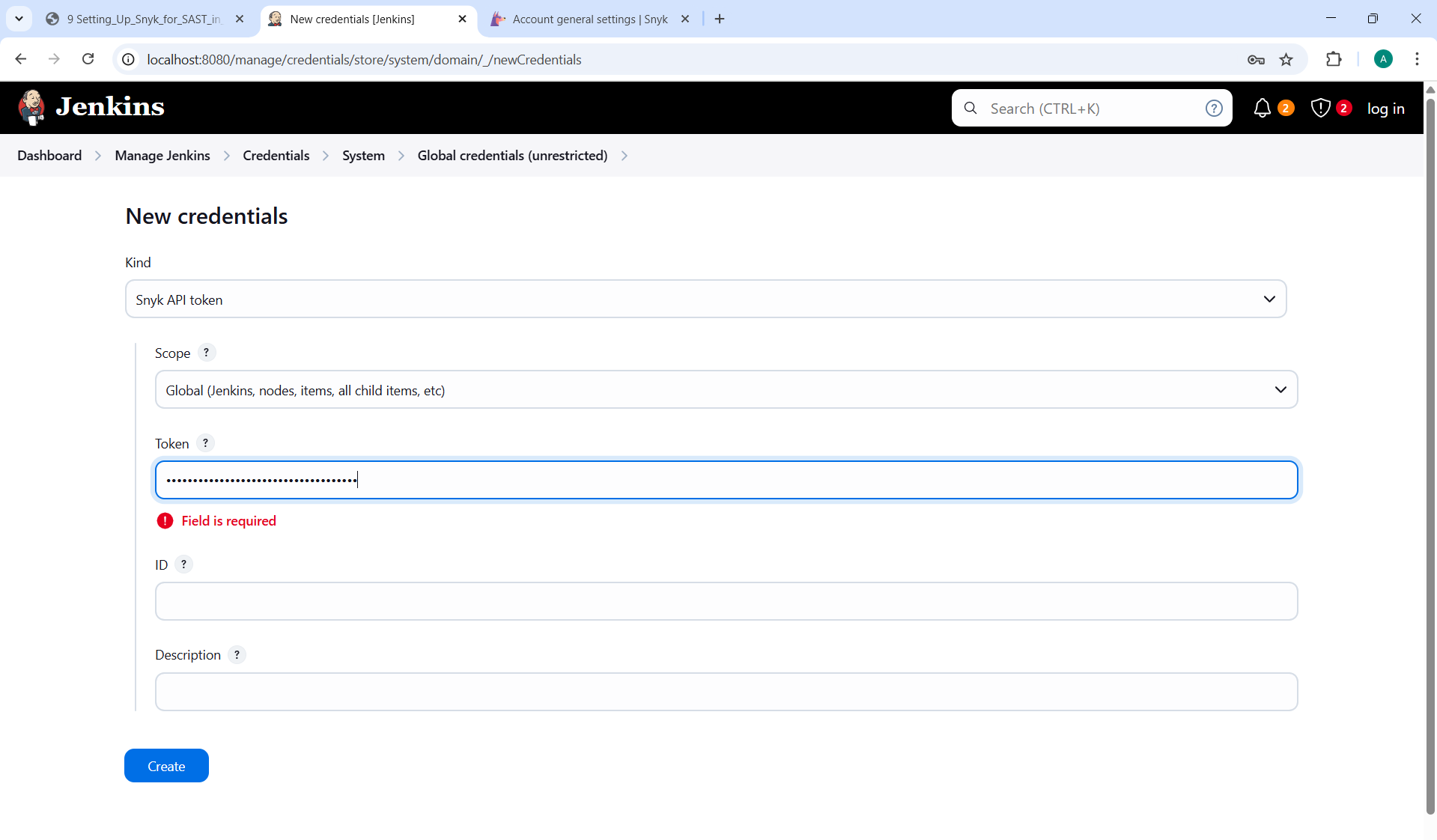


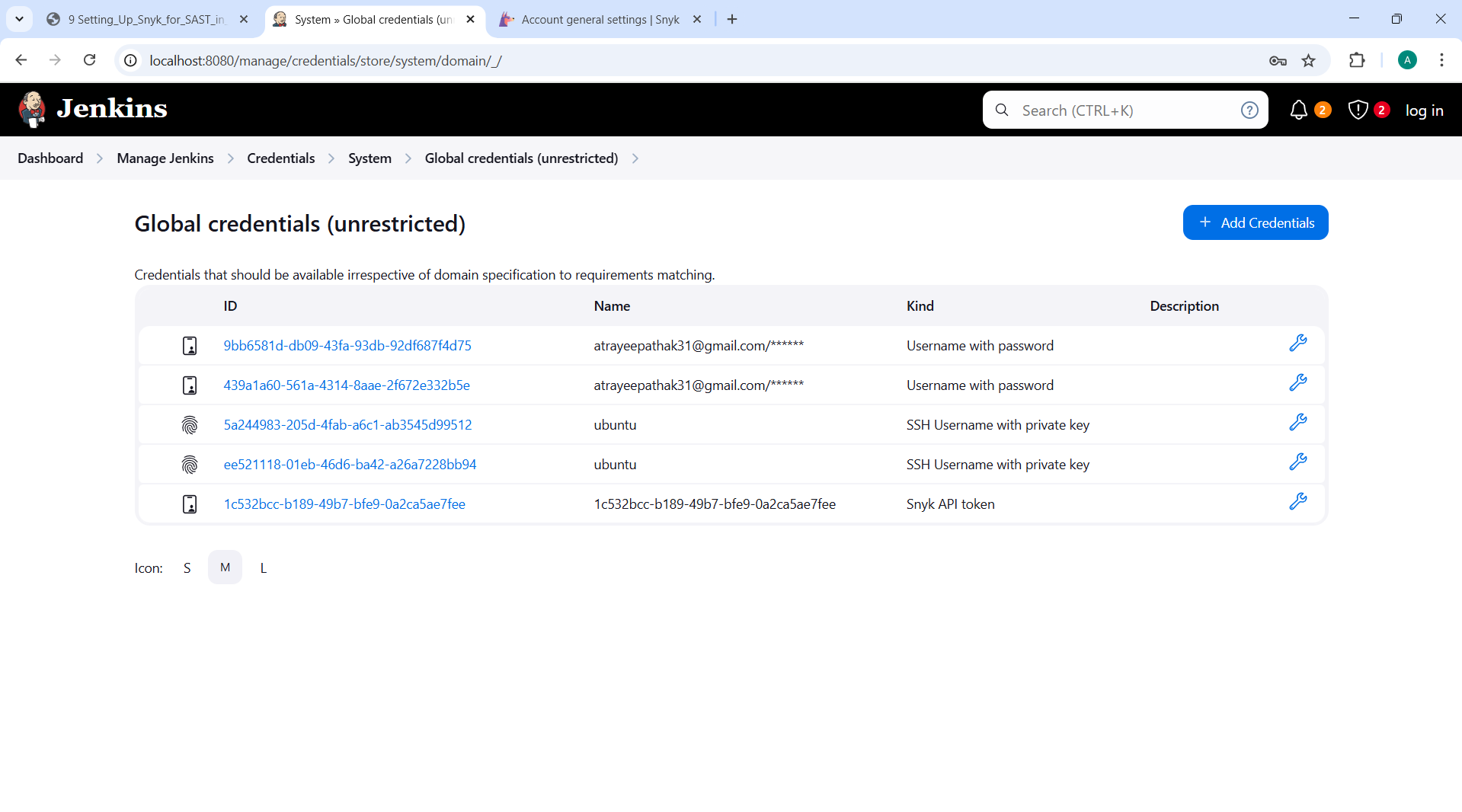
3.2 In the Jenkins interface, go to Manage Jenkins, select Security, then choose Credentials and select global to add global credentials



3.3 Click on Add Credentials, select the Snyk API token from the Kind field, paste the copied token from step 3.1 into the Token field, and then click the Create button

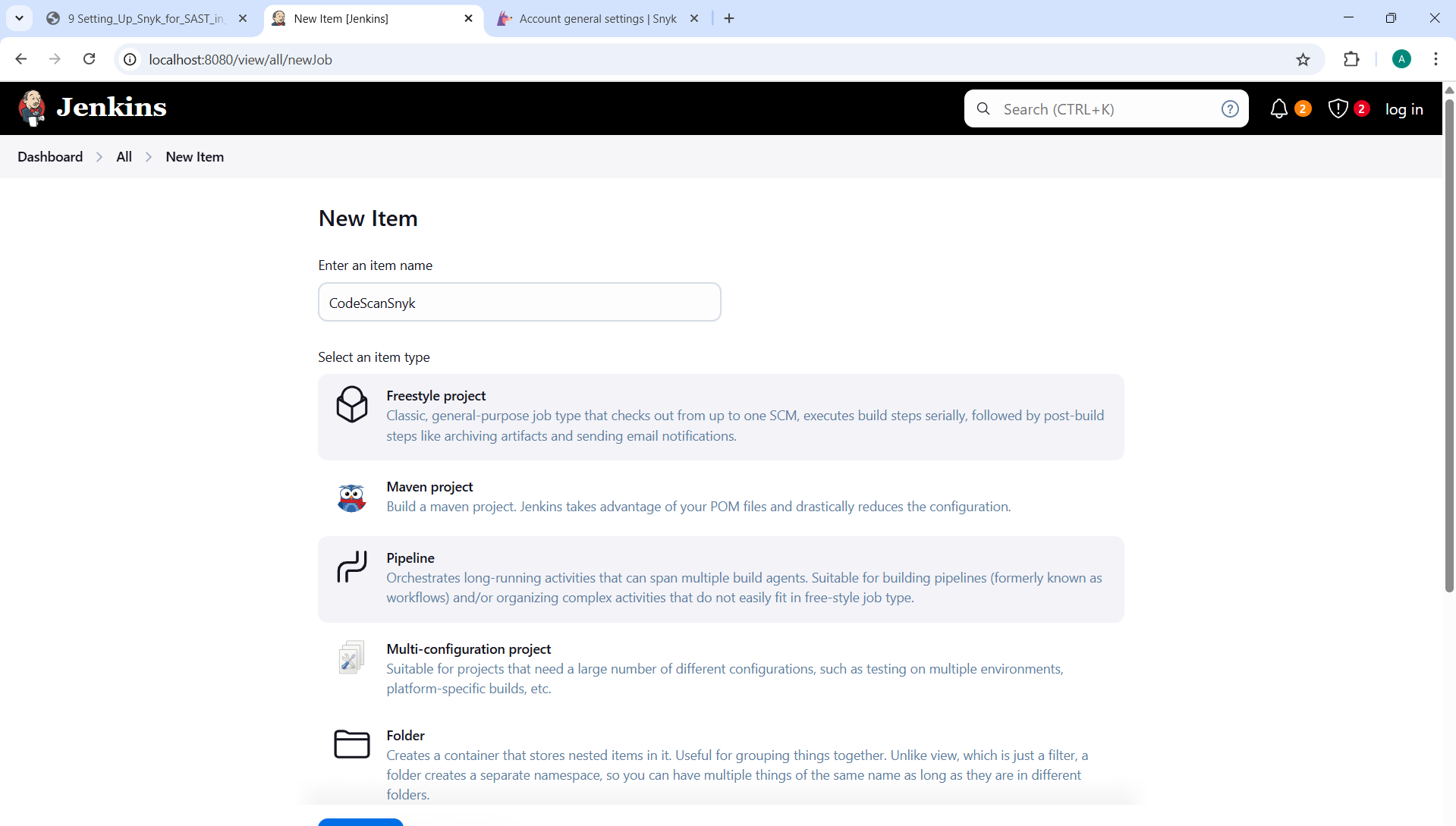




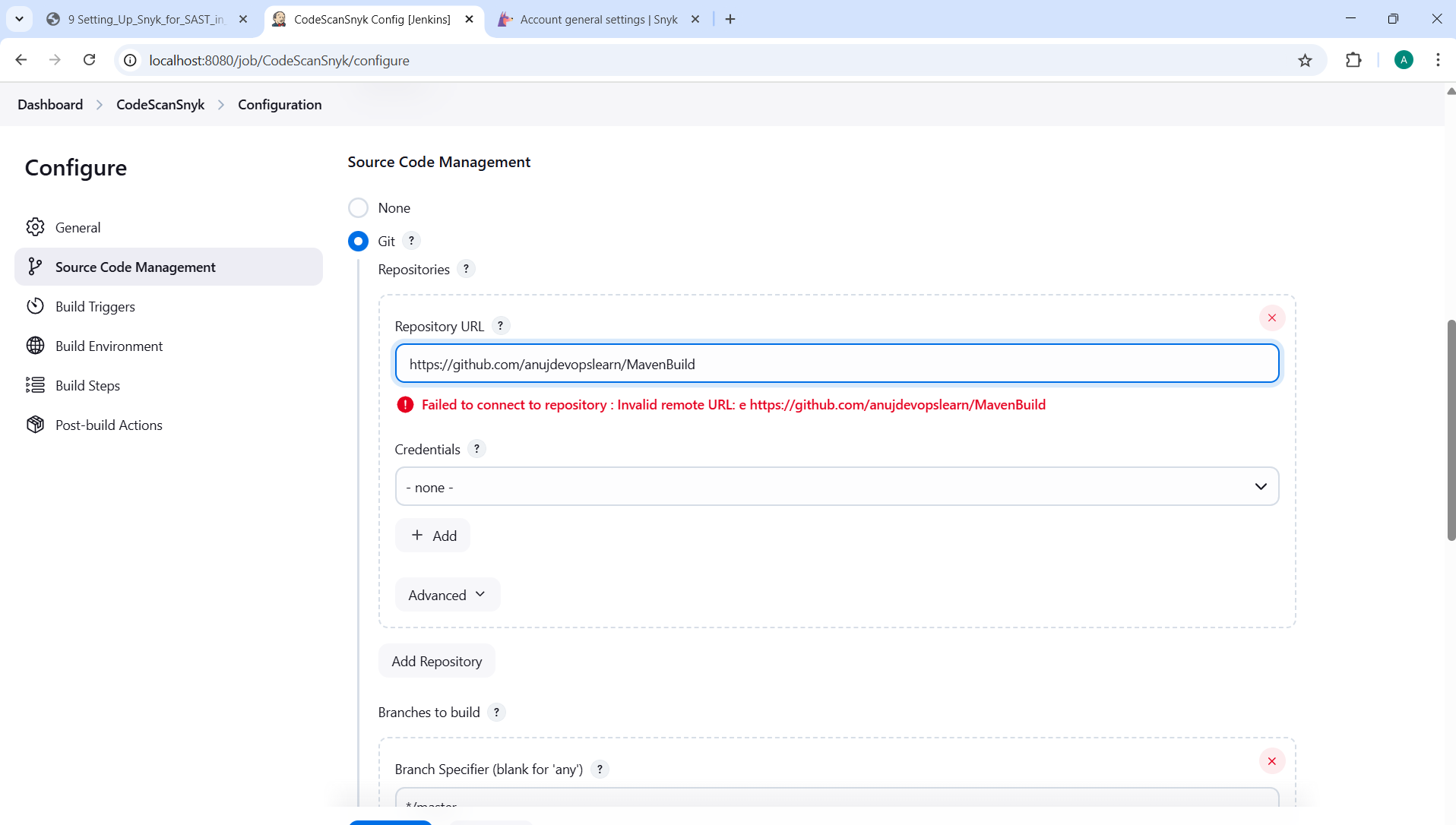


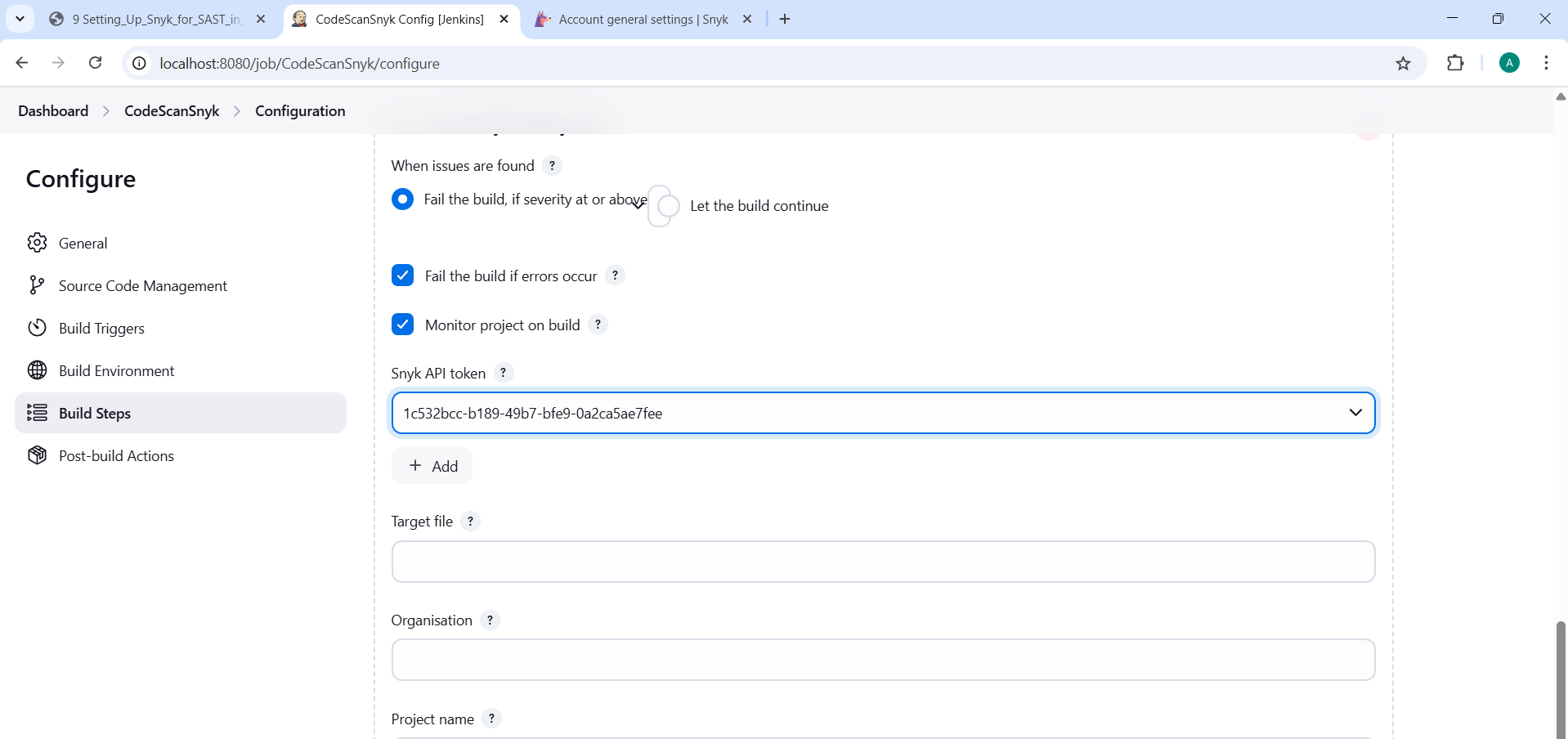
Step 4: Configure the Jenkins job for scanning

4.1 To create a new Jenkins job, click on New Item, enter the item name as CodeScanSnyk, select Freestyle project, and then click OK



4.2 After creating a job, go to Source Code Management and enter the GitHub repository URL. Then, under Build Steps, add the build step Invoke Snyk Security task with the name SnykToken. Finally, click the Save button to create the build





4.3 To check the build status, click on the build link under Permalinks. After that, click on Console Output

