

New project using Maven:

The screenshot shows the 'Maven installations' configuration page in Jenkins. The page has a breadcrumb trail: Dashboard > Manage Jenkins > Tools. The main heading is 'Maven installations'. Below it, there's a section titled 'Maven Installations' with an 'Add Maven' button. A dashed box contains a configuration for a new Maven installation. Inside this box, there's a 'Maven' section with a 'Name' field set to 'Maven-3.9.0' and a checked 'Install automatically' checkbox. Below this is an 'Install from Apache' section with a 'Version' dropdown set to '3.9.0'. At the bottom of the dashed box is an 'Add Installer' button. Below the dashed box is another 'Add Maven' button. At the very bottom of the page are 'Save' and 'Apply' buttons.

added maven 3.9.0 in tools.

The screenshot shows the 'New Item' page in Jenkins. The breadcrumb trail is: Dashboard > Mayusha Rathod > My Views > All. The page has a search bar and a user profile 'Mayusha Rathod' with a 'log out' button. The main heading is 'Enter an item name'. Below it is a text input field containing 'Dev Compile' and a '» Required field' message. Below the input field is a list of project types with icons and descriptions: 'Freestyle project' (Classic, general-purpose job type), 'Pipeline' (Orchestrates long-running activities), 'Multi-configuration project' (Suitable for projects that need a large number of different configurations), 'Folder' (Creates a container that stores nested items), and 'Multibranch Pipeline' (Creates a set of Pipeline projects according to detected branches). At the bottom of the list is an 'OK' button.

create project named “Dev Compile”

The screenshot shows the Jenkins configuration page for a job named 'Dev Compile'. The left sidebar contains a 'Configure' section with a list of tabs: General, Source Code Management (selected), Build Triggers, Build Environment, Build Steps, and Post-build Actions. The main content area is titled 'Git' and contains the following fields:

- Repositories:** A section with a 'Repository URL' field containing 'https://github.com/nkheria/DevOpsClassCodes.git', a 'Credentials' dropdown menu set to '- none -', an '+ Add' button, and an 'Advanced' dropdown.
- Branches to build:** A section with a 'Branch Specifier (blank for \'any\')' field containing '*/master' and an 'Add Branch' button.

At the bottom of the configuration area are 'Save' and 'Apply' buttons.

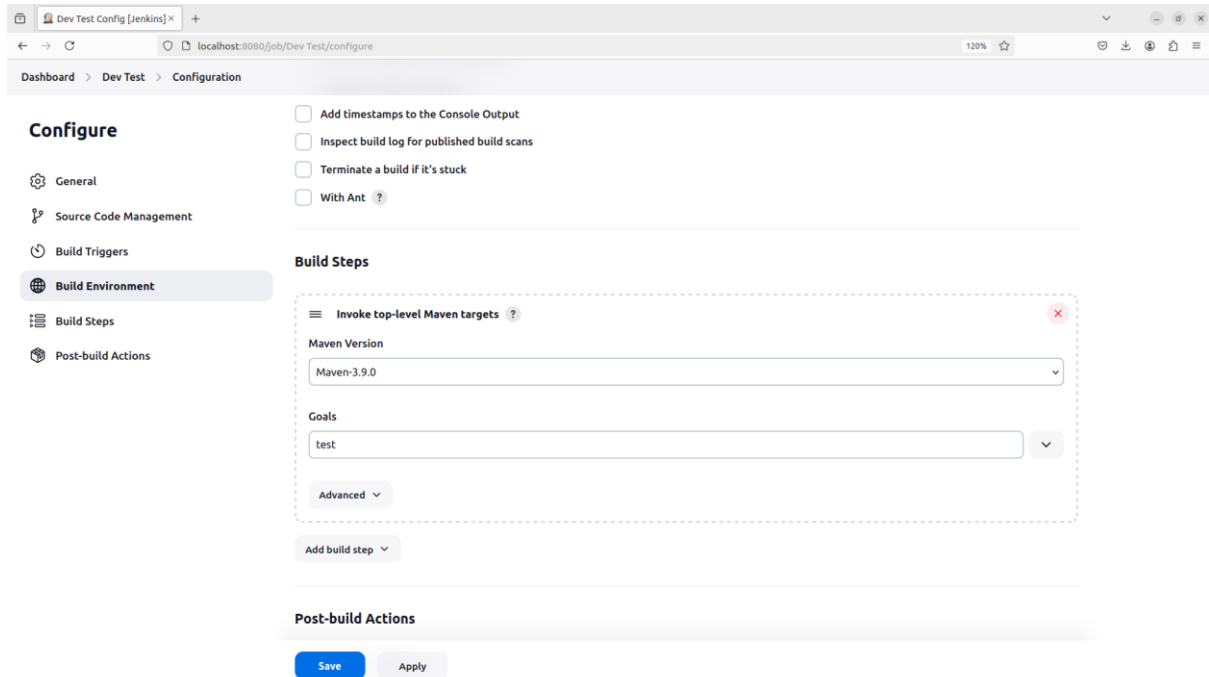
Add git repo and branch

The screenshot shows the Jenkins configuration page for the same 'Dev Compile' job, but with the 'Build Steps' tab selected in the sidebar. The main content area is titled 'Build Steps' and contains the following fields:

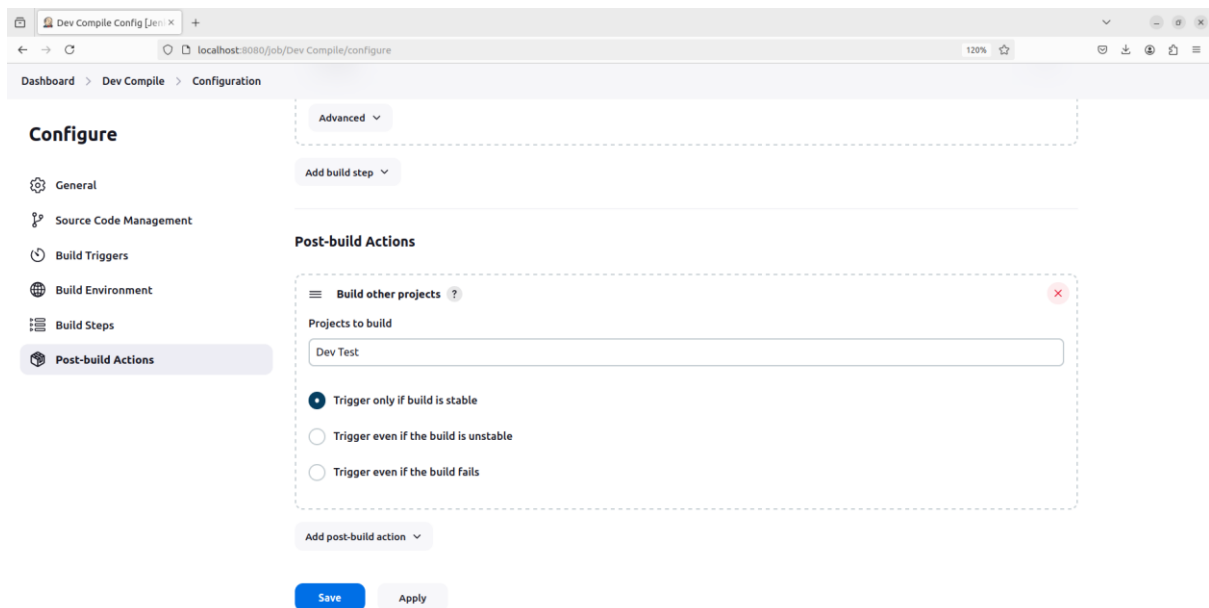
- Build Steps:** A section with a 'Invoke top-level Maven targets' button, a 'Maven Version' dropdown menu set to 'Maven-3.9.0', a 'Goals' dropdown menu set to 'compile', and an 'Advanced' dropdown.

At the bottom of the configuration area are 'Save' and 'Apply' buttons.

Add a build step that you need to perform. The Goal mentioned here is a predefined Maven goal but any other goal that we defined in the pom.xml file can be used.



Created another project named “Dev Test” for the same repo but with a different goal in maven.

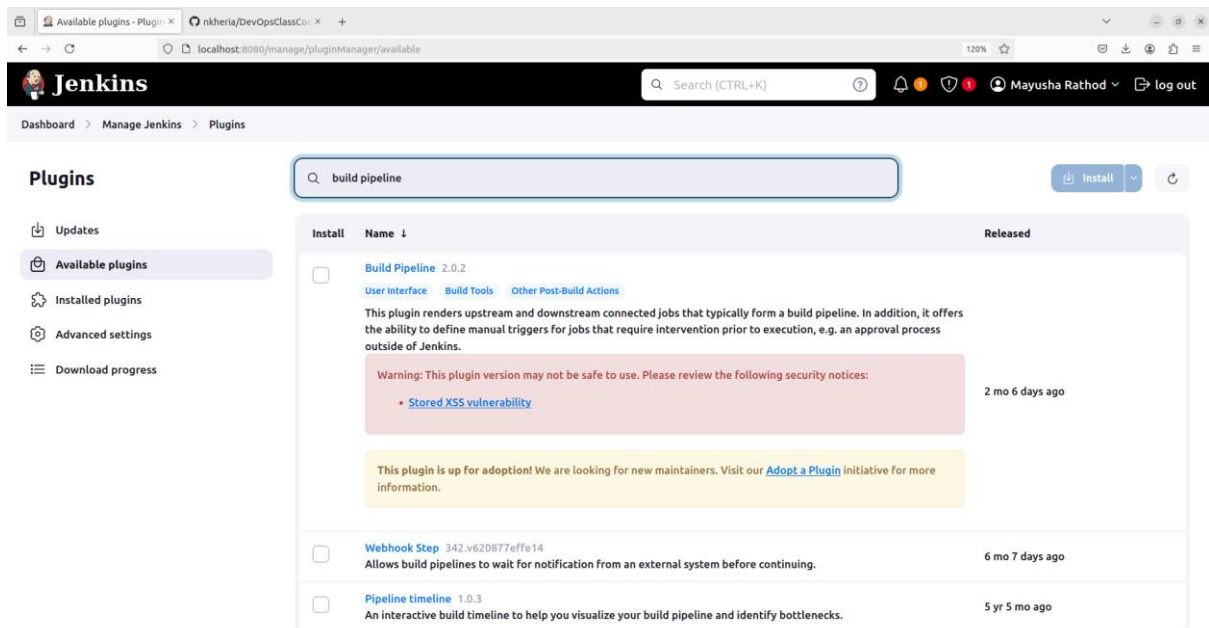


REST API Jenkins 2.452.3

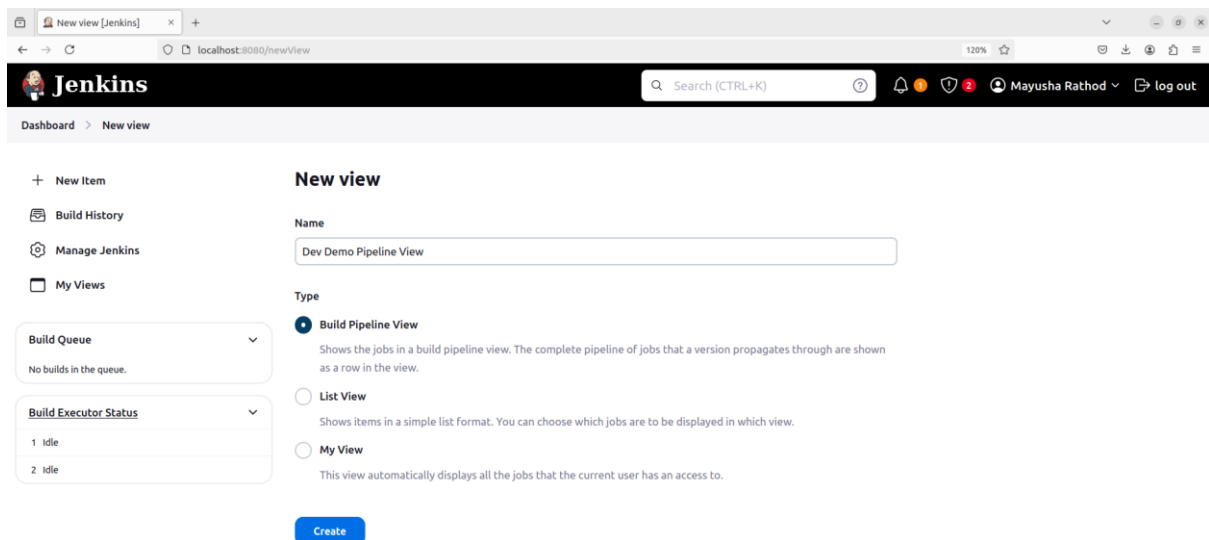
In “Dev Compile”, add a post build action to build the “Dev Test” project after successful build of “Dev Compile”.

“Dev Test” will be build automatically after “Dev Compile” has been build successfully.

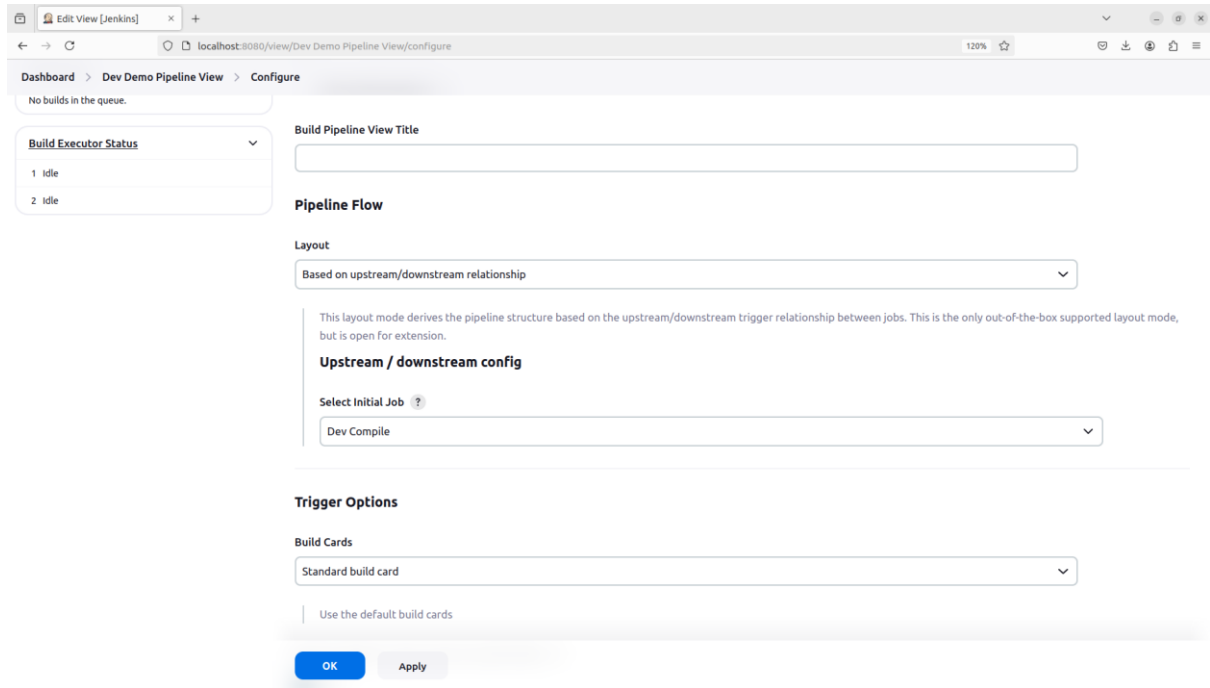
Build a Pipeline View for the above projects: Dev Compile → Dev Test



Add the “Build Pipeline” plugin from the available plugin which is used to create the pipeline view.



Create a new build pipeline view.

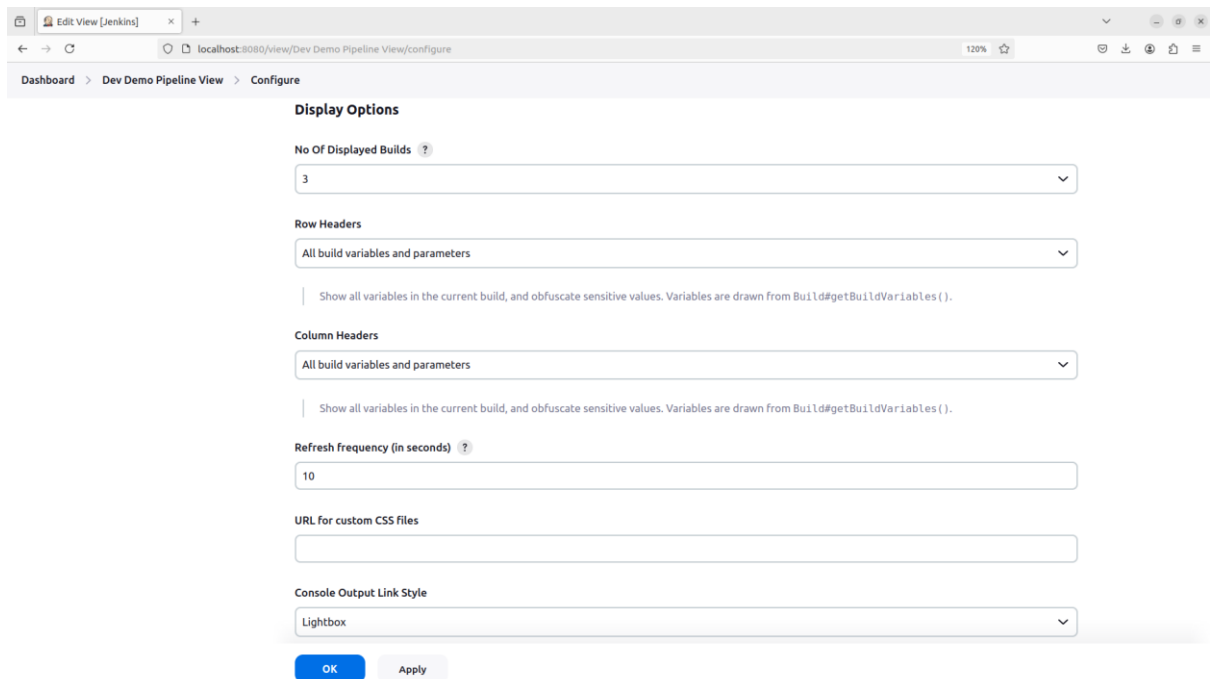


The screenshot shows the Jenkins Pipeline View configuration page. The breadcrumb navigation is "Dashboard > Dev Demo Pipeline View > Configure". On the left, there is a "Build Executor Status" section showing two idle executors. The main configuration area includes:

- Build Pipeline View Title:** An empty text input field.
- Pipeline Flow:**
 - Layout:** A dropdown menu set to "Based on upstream/downstream relationship".
 - Upstream / downstream config:**
 - Select Initial Job:** A dropdown menu set to "Dev Compile".
- Trigger Options:**
 - Build Cards:** A dropdown menu set to "Standard build card".
 - A checkbox labeled "Use the default build cards" is currently unchecked.

At the bottom, there are "OK" and "Apply" buttons.

Mention the starting project for the pipeline view which would be “Dev Compile” in our case.

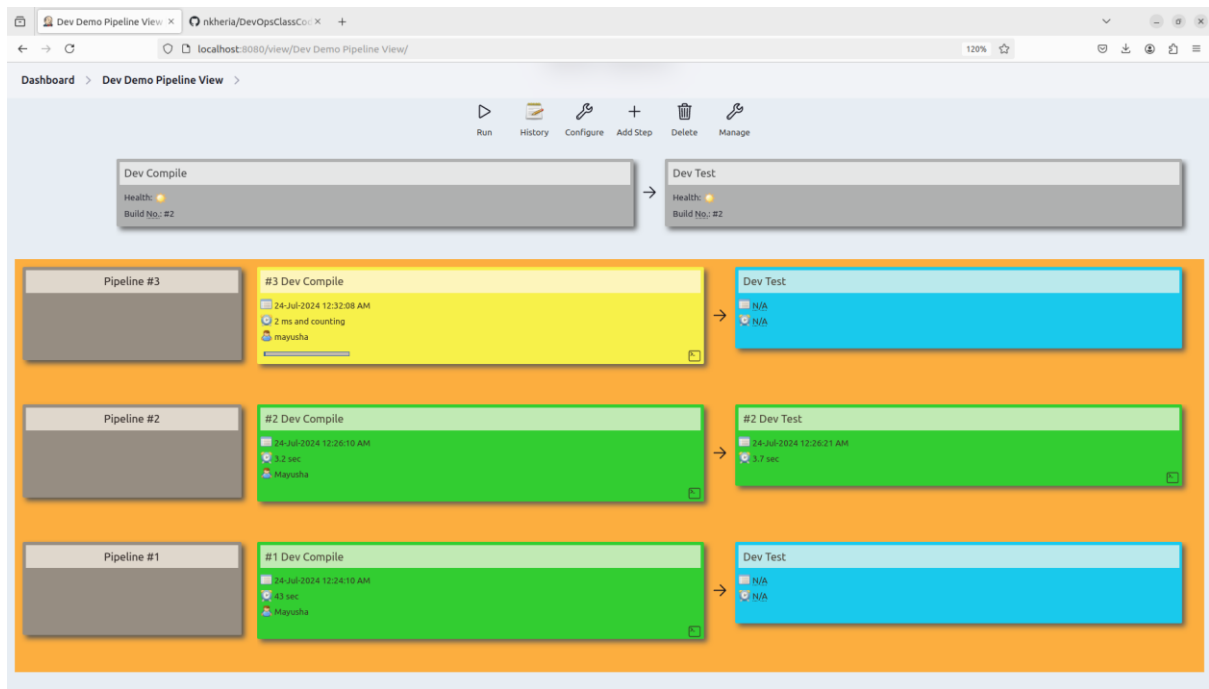


The screenshot shows the Jenkins Pipeline View configuration page, specifically the "Display Options" section. The breadcrumb navigation is "Dashboard > Dev Demo Pipeline View > Configure". The configuration options include:

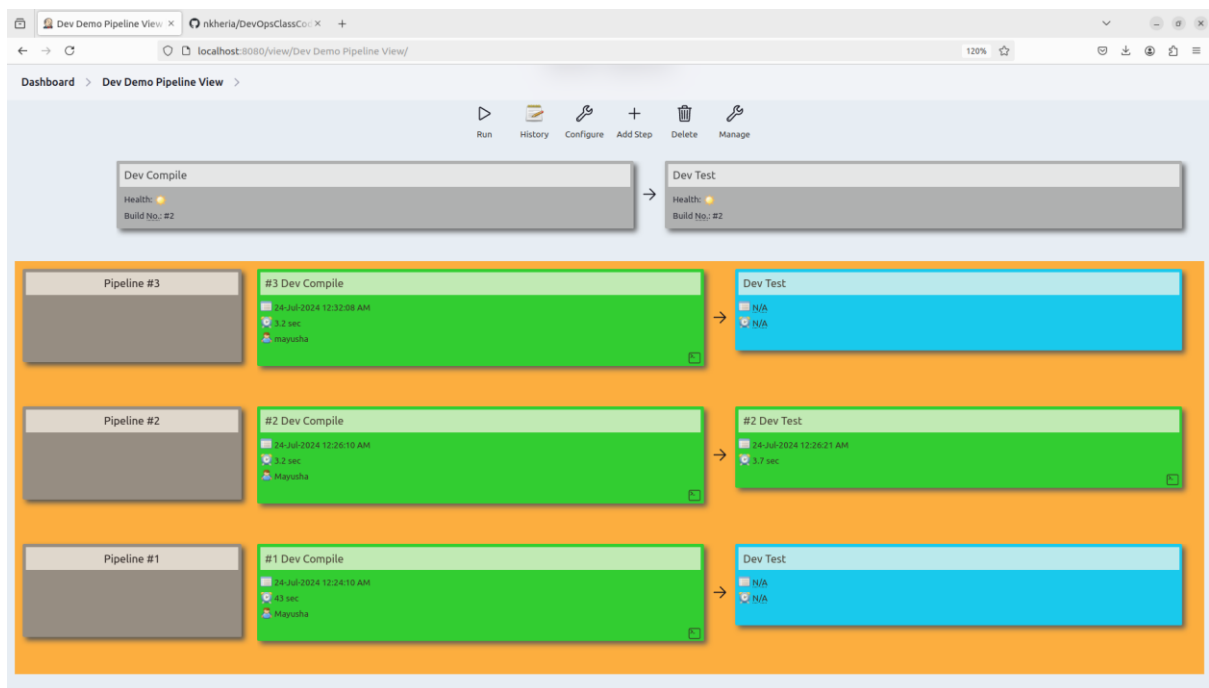
- Display Options:**
 - No Of Displayed Builds:** A dropdown menu set to "3".
 - Row Headers:** A dropdown menu set to "All build variables and parameters".
 - Column Headers:** A dropdown menu set to "All build variables and parameters".
 - Refresh frequency (in seconds):** A text input field set to "10".
 - URL for custom CSS files:** An empty text input field.
 - Console Output Link Style:** A dropdown menu set to "Lightbox".

At the bottom, there are "OK" and "Apply" buttons.

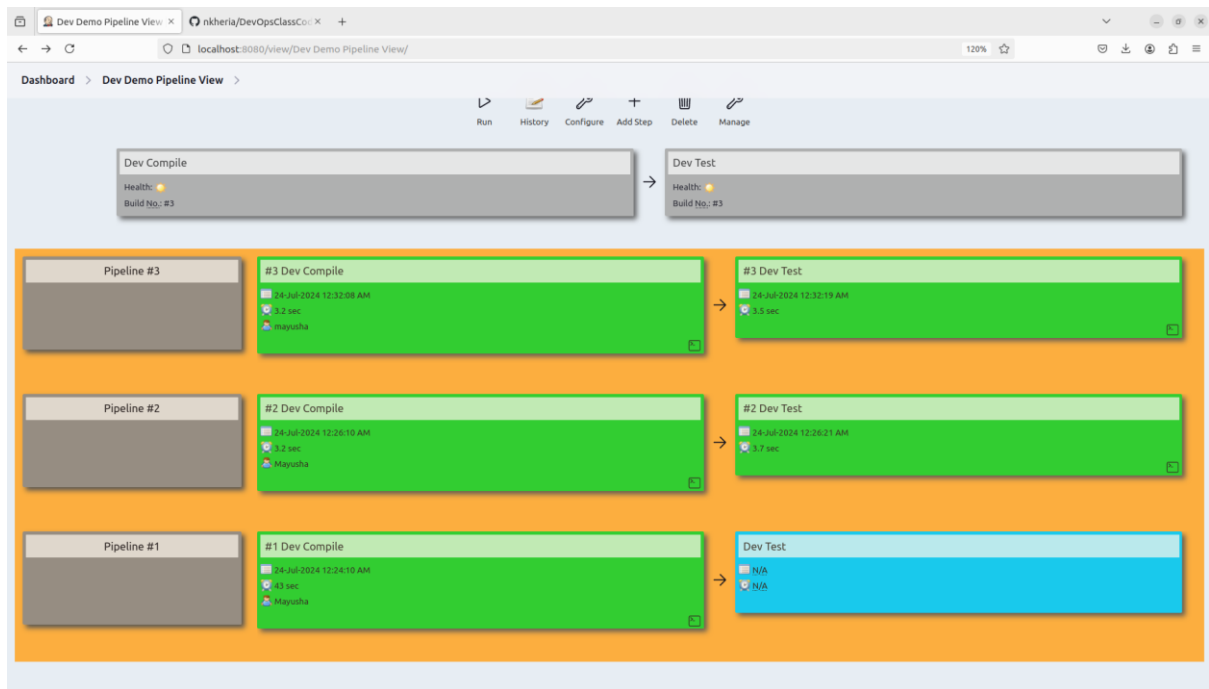
Can change display options as per requirements.



Pipeline view when building Dev Compile.



Pipeline view when Dev compile has successfully build and Dev Test has not yet been build.



Pipeline view when both have been successfully build.