Name: Mrunal Vaidya
Roll : 68

XIE ID: 202003060
Batch: C

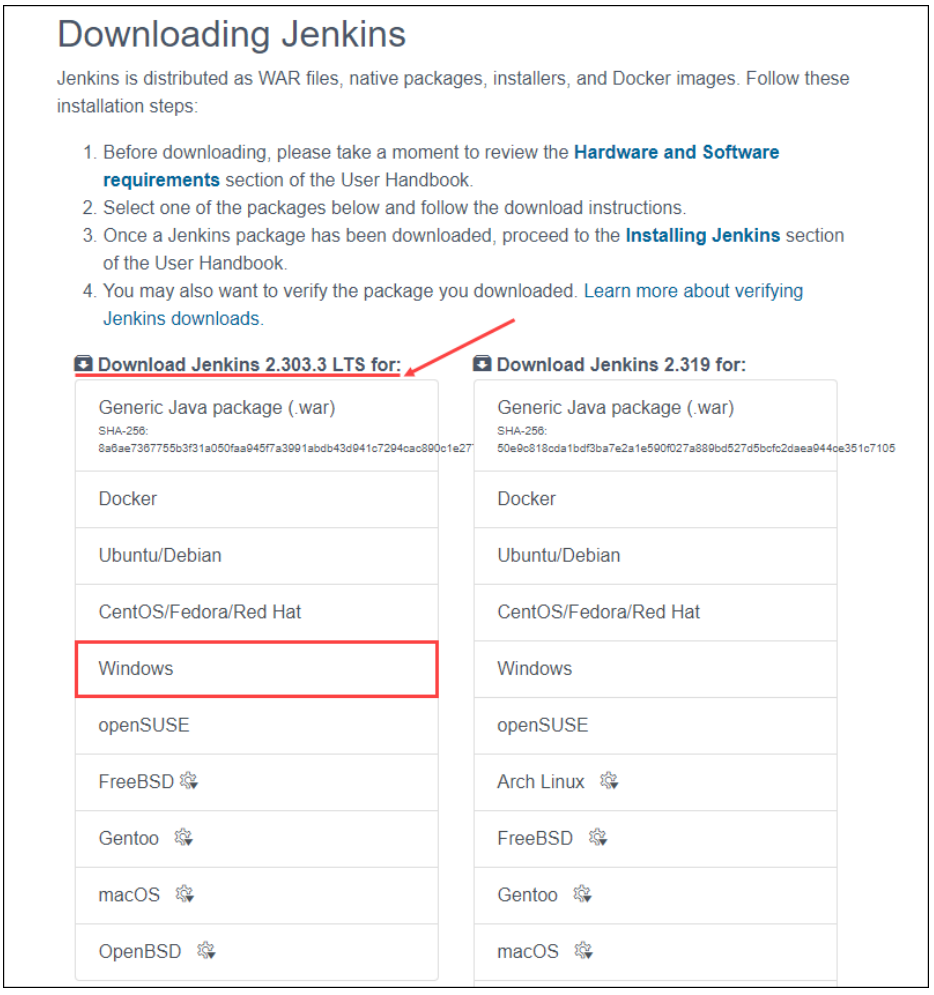
Experiment 4

Aim: To understand continuous integration, install and configure Jenkins with Maven/ ANT/ Gradle to setup a build job

Theory:

Jenkins is a self-contained, open-source automation server which can be used to automate all sorts of tasks related to building, testing, and delivering or deploying software.
Jenkins is a software that allows continuous integration. Jenkins will be installed on a server where the central build will take place.
Continuous Integration is a development practice that requires developers to integrate code into a shared repository at regular intervals. This concept was meant to remove the problem of finding later occurrences of issues in the build lifecycle. Continuous integration requires the developers to have frequent builds. The common practice is that whenever a code commit occurs, a build should be triggered.

Output:



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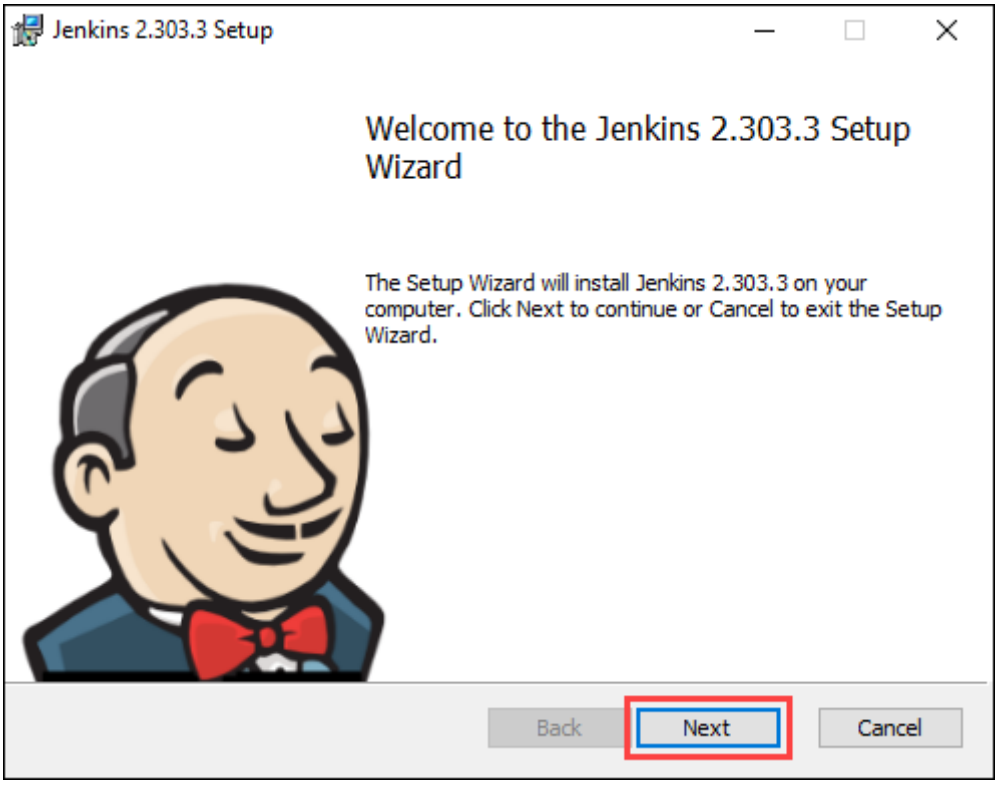

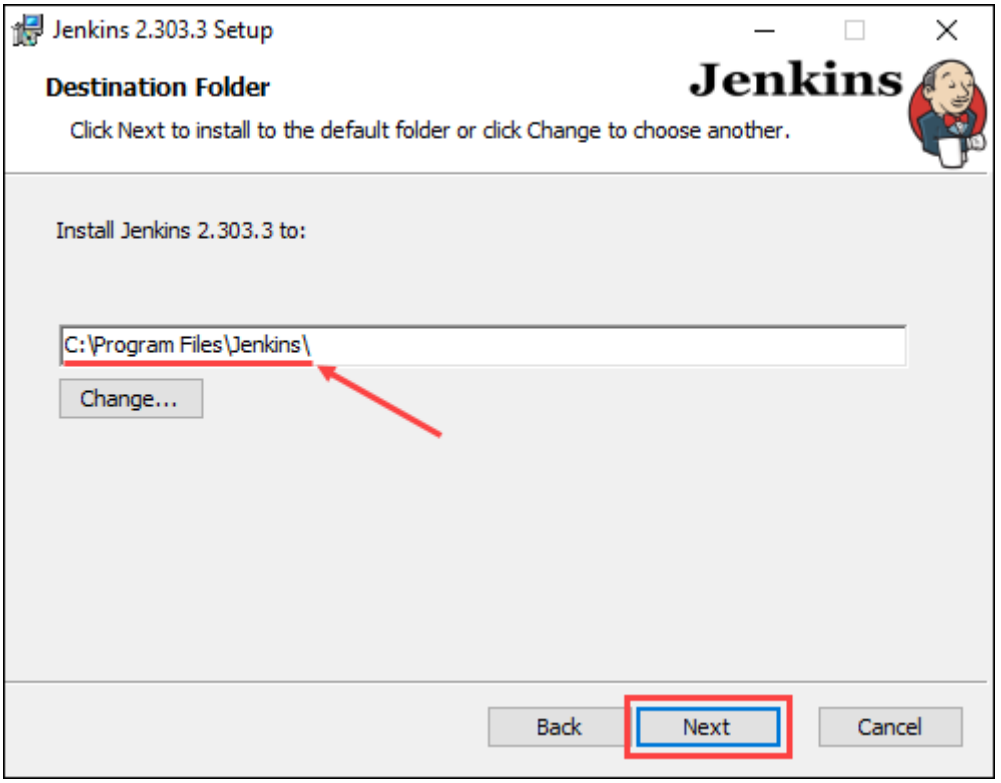

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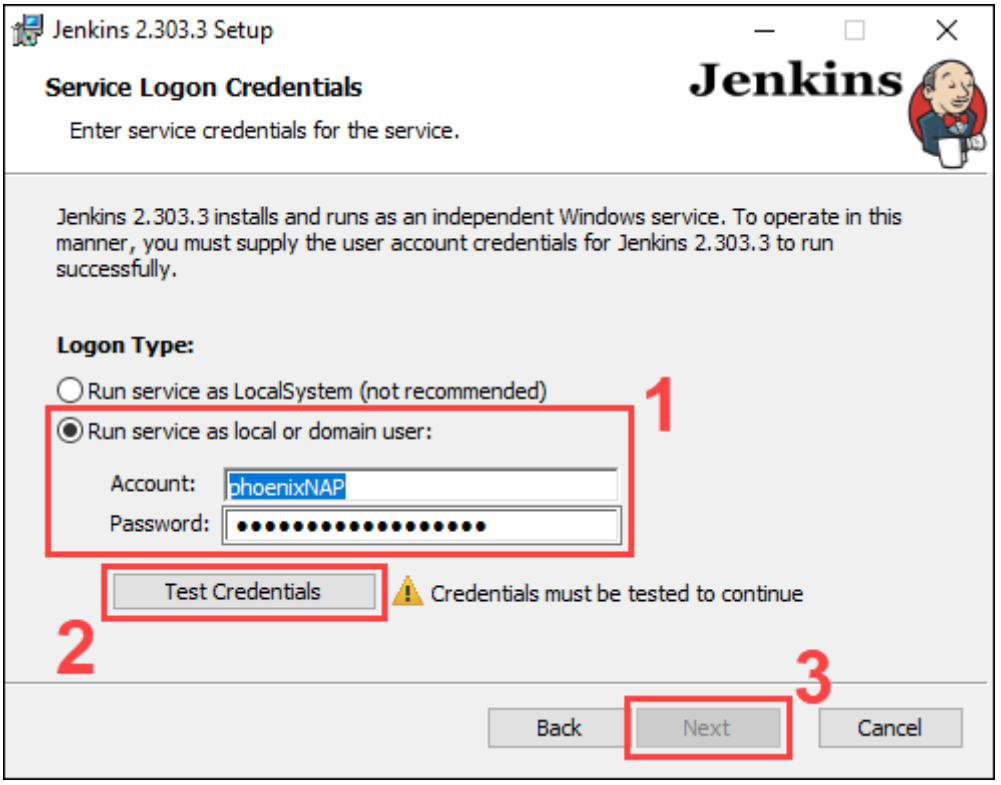

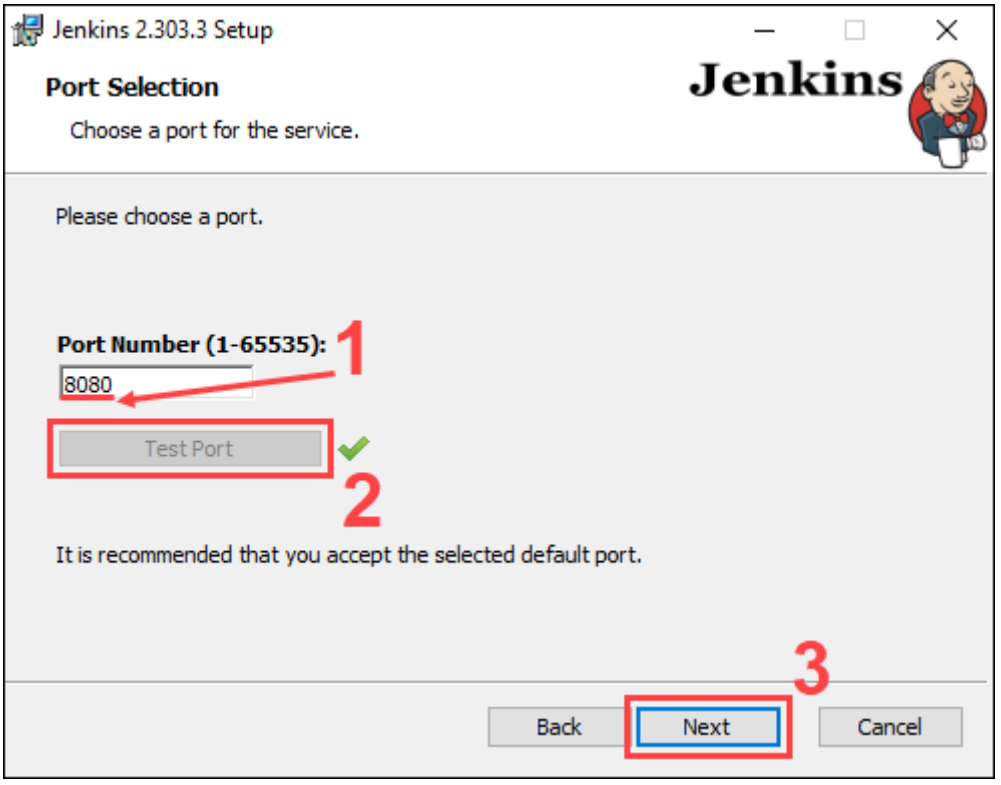

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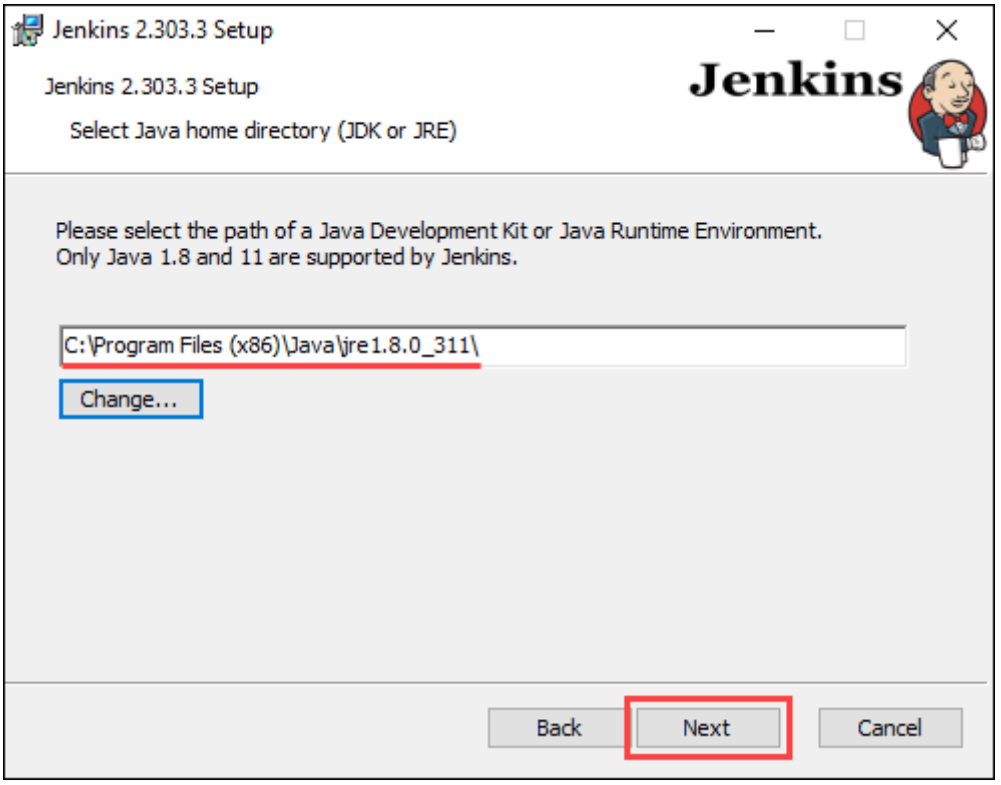

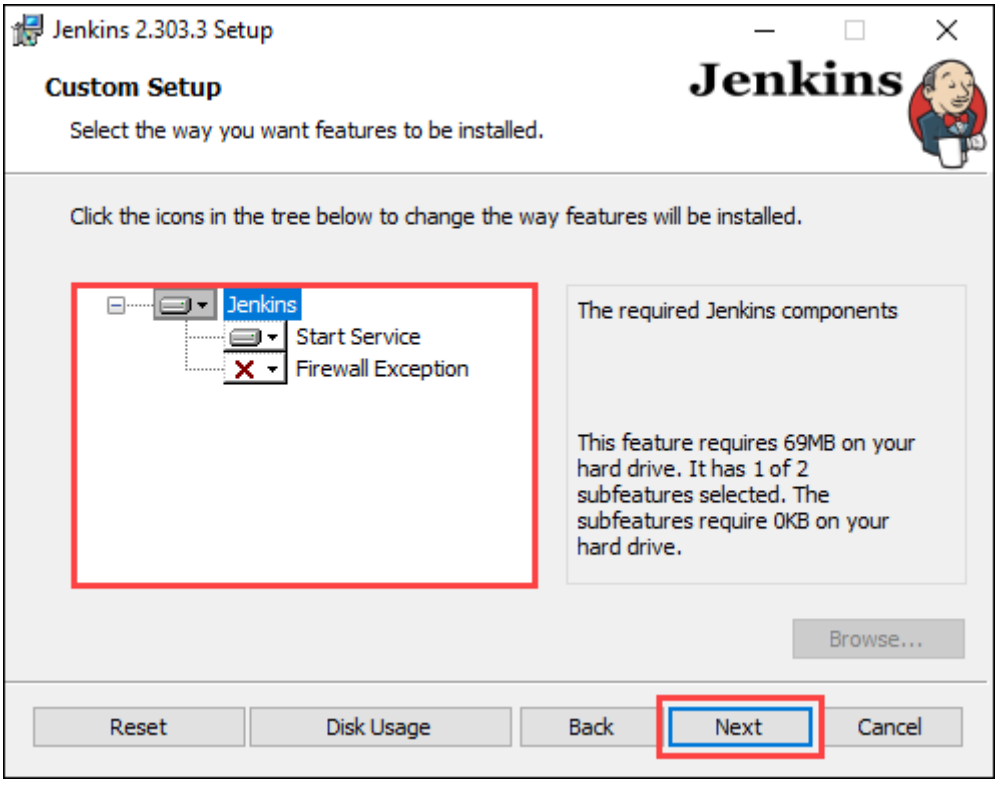

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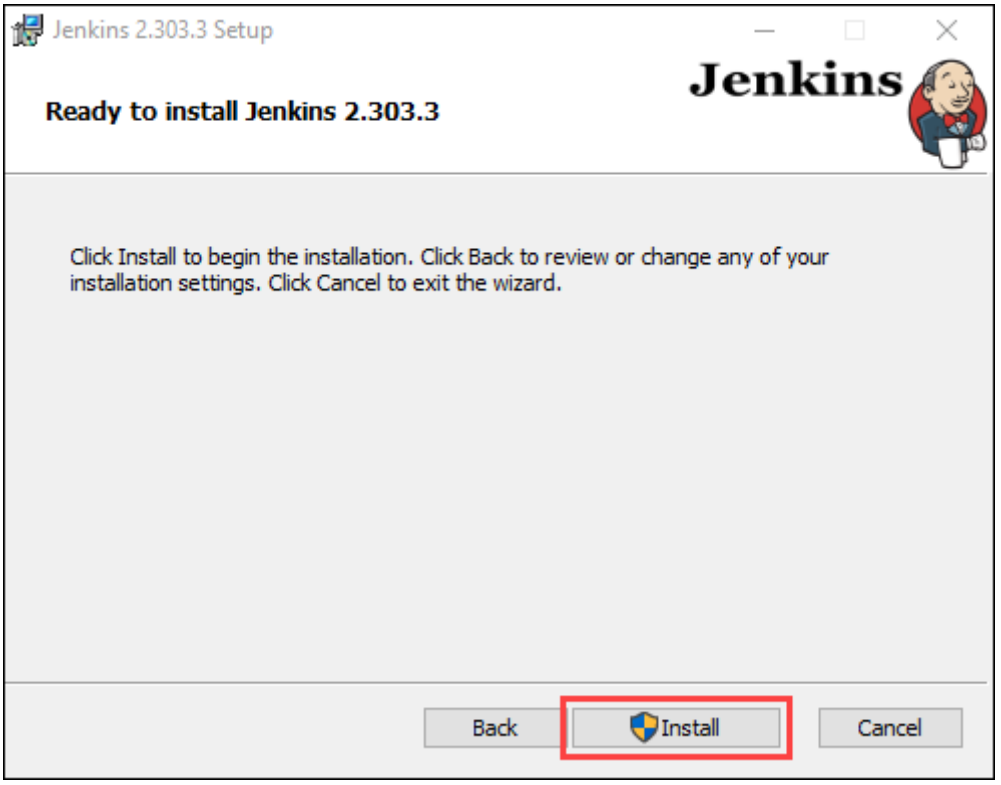

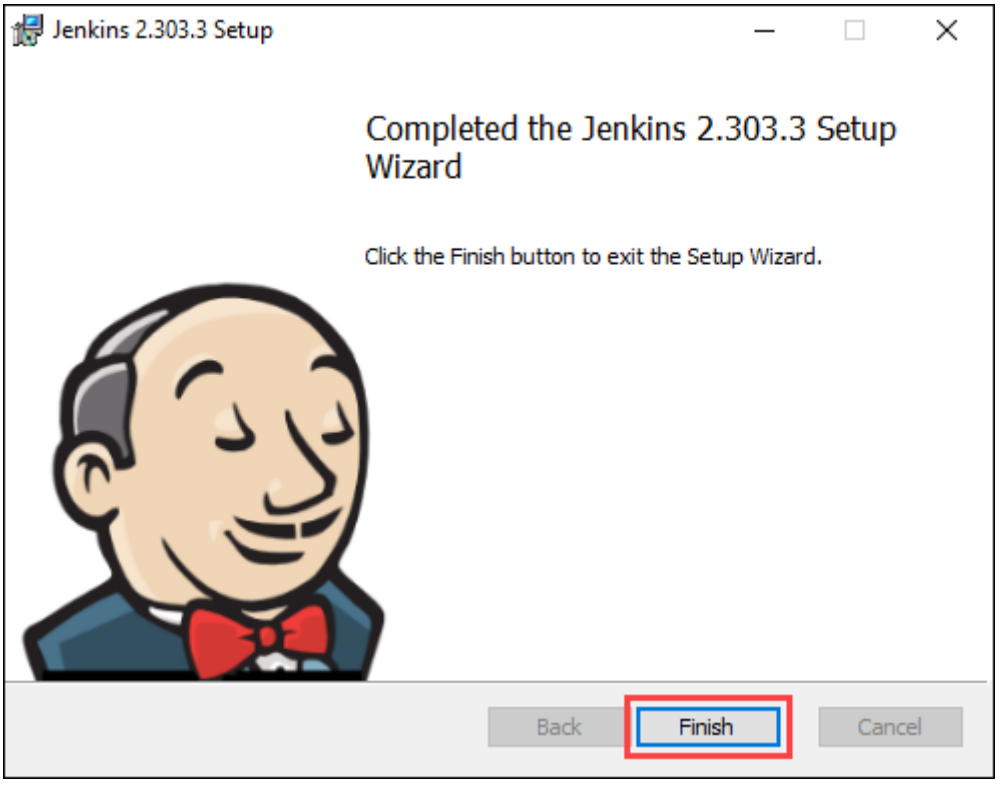

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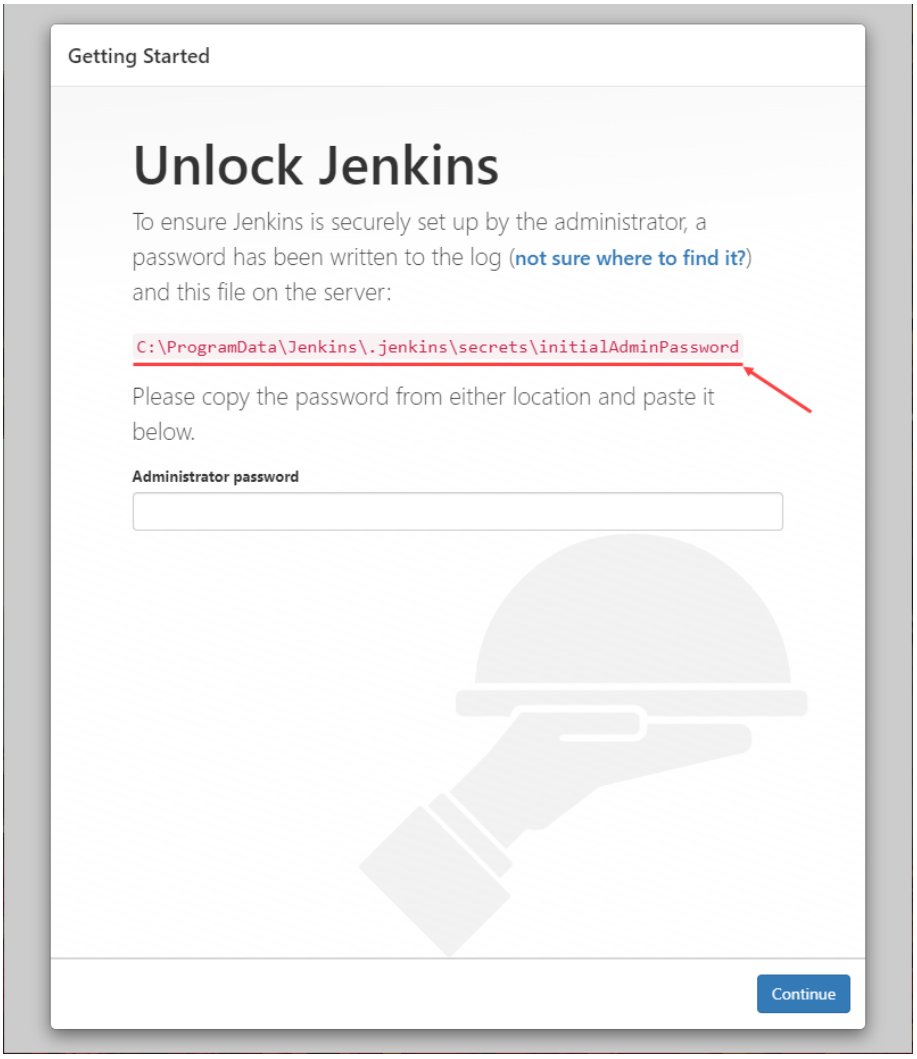

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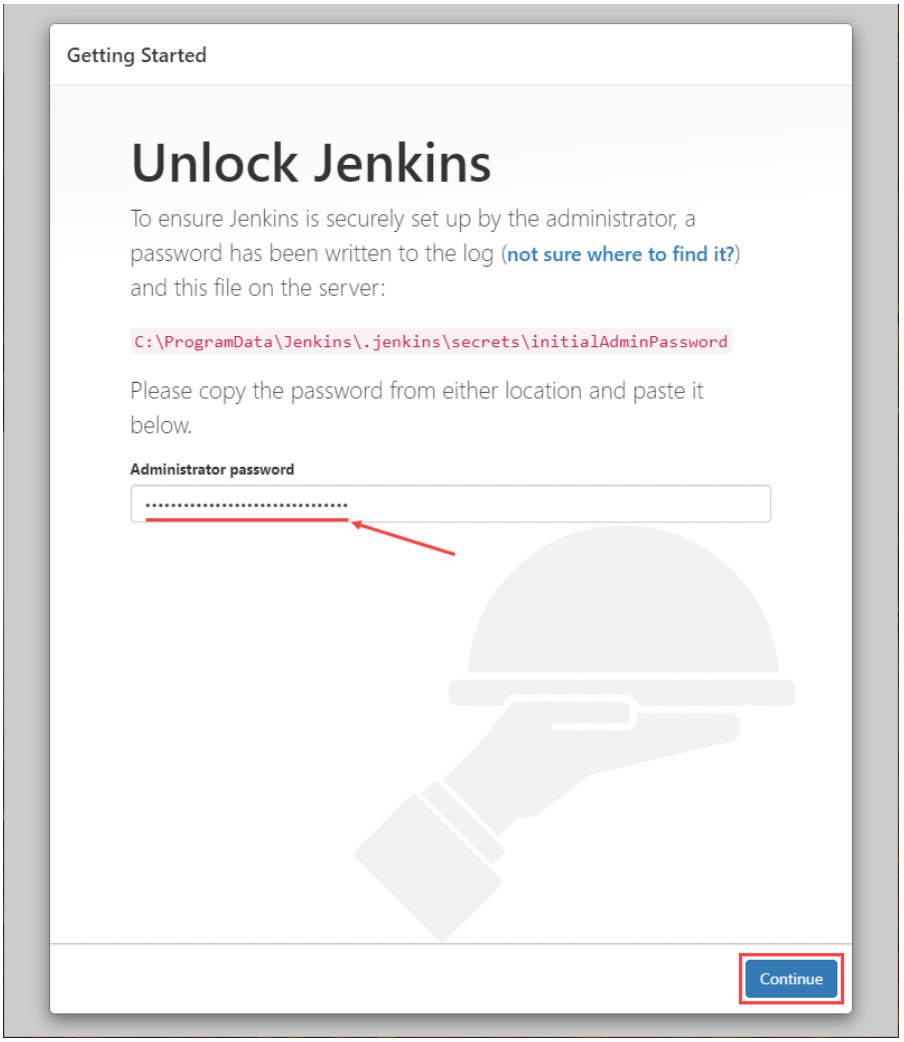

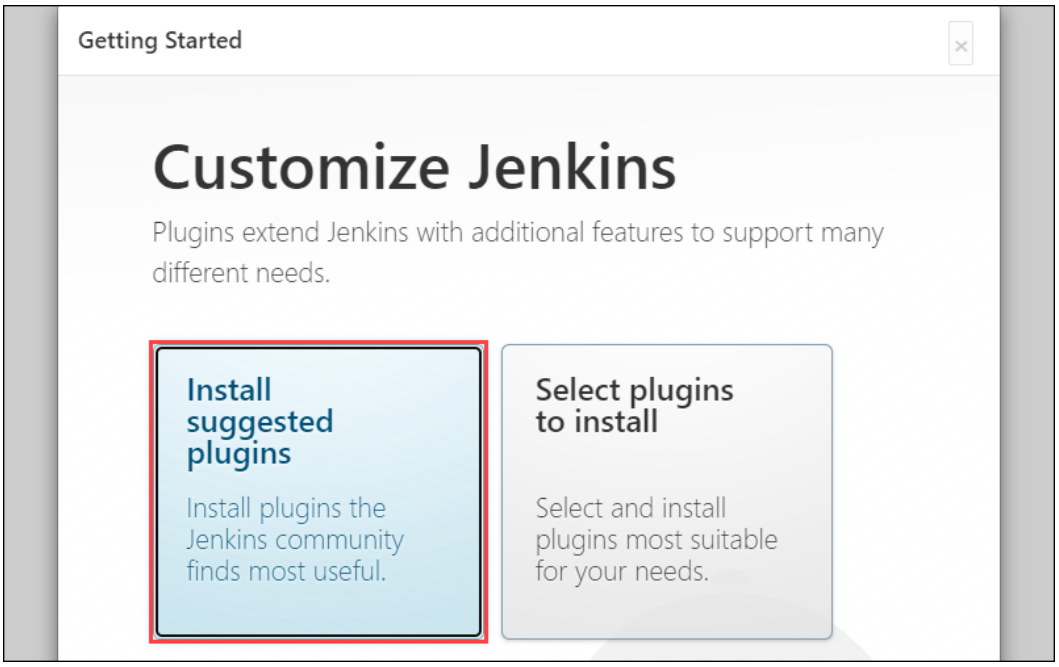

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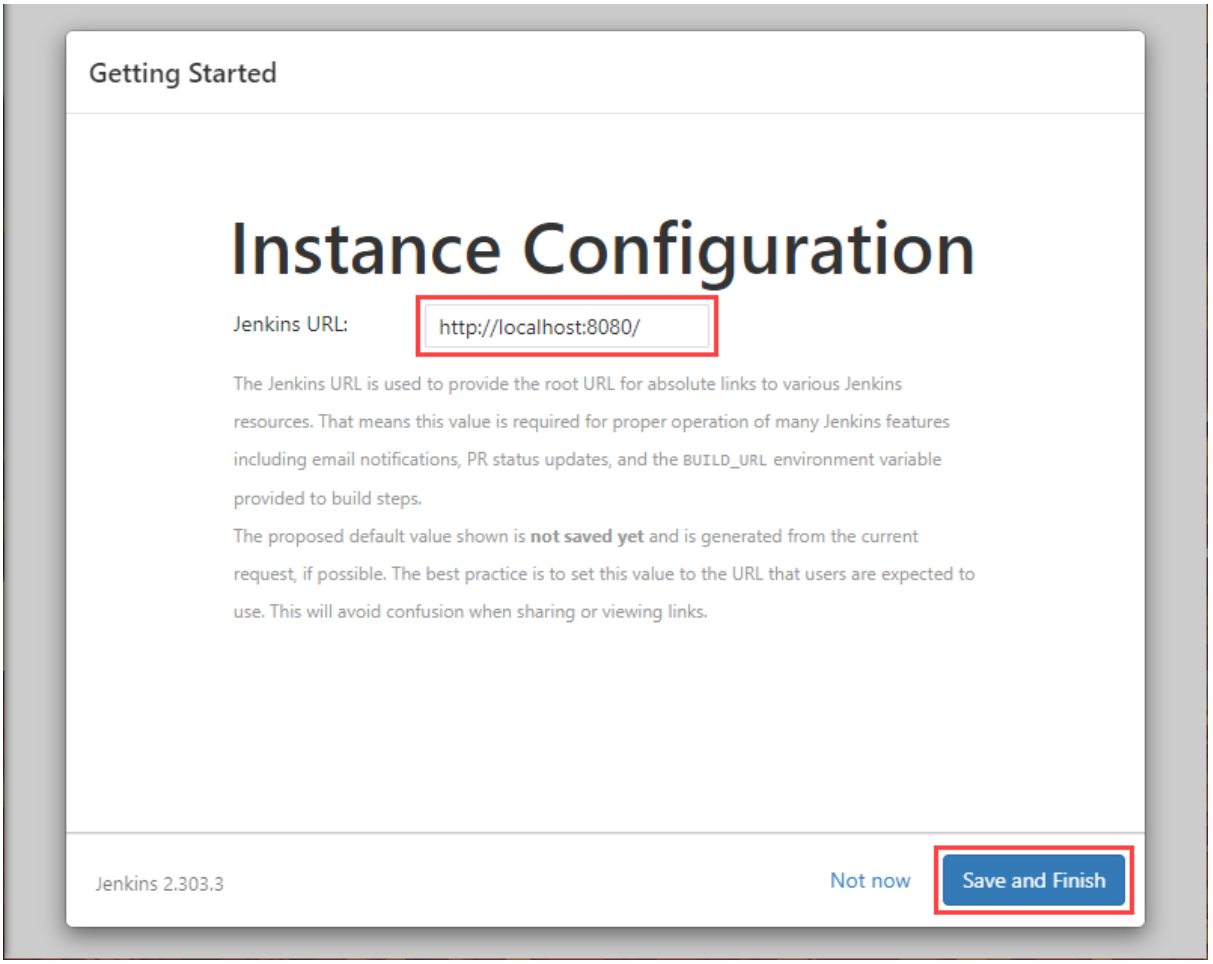

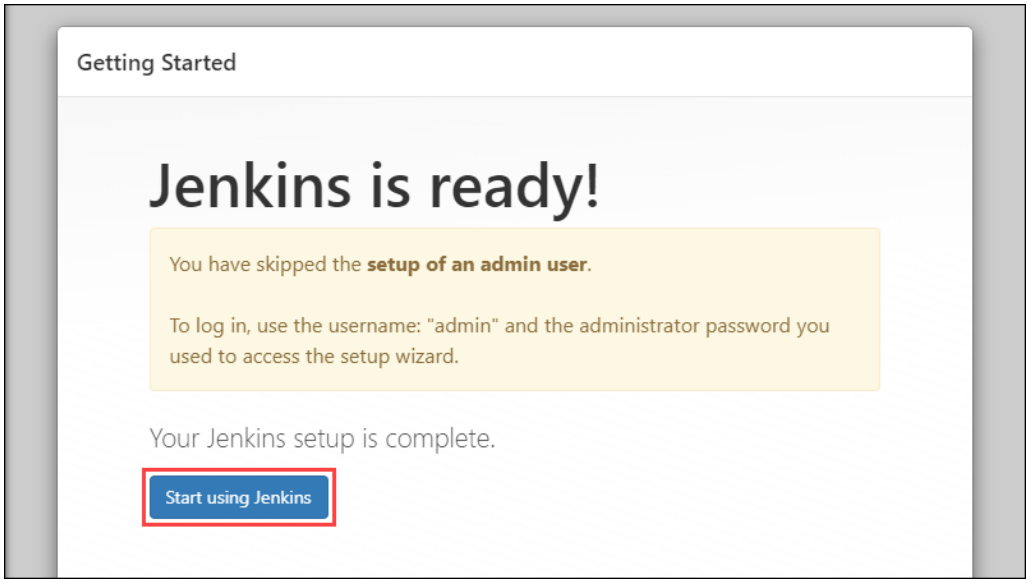

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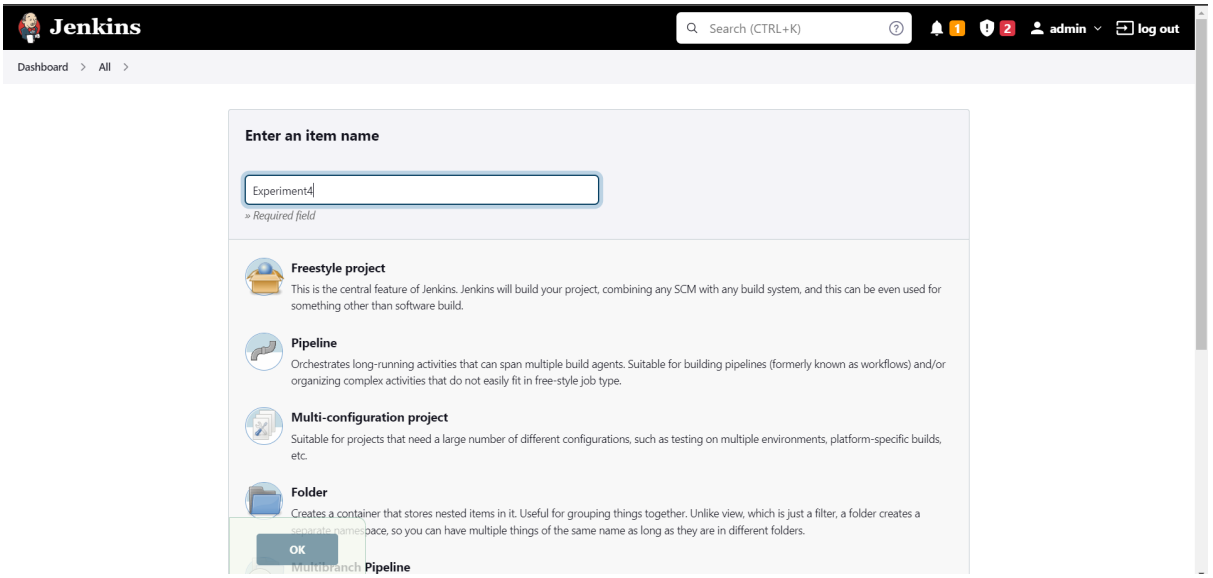

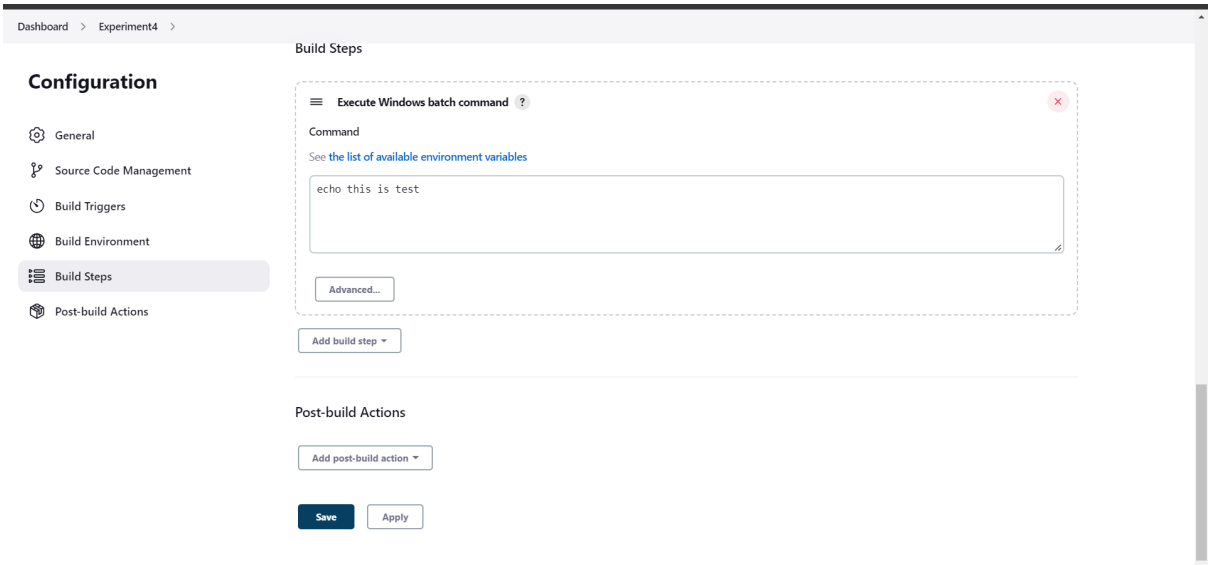

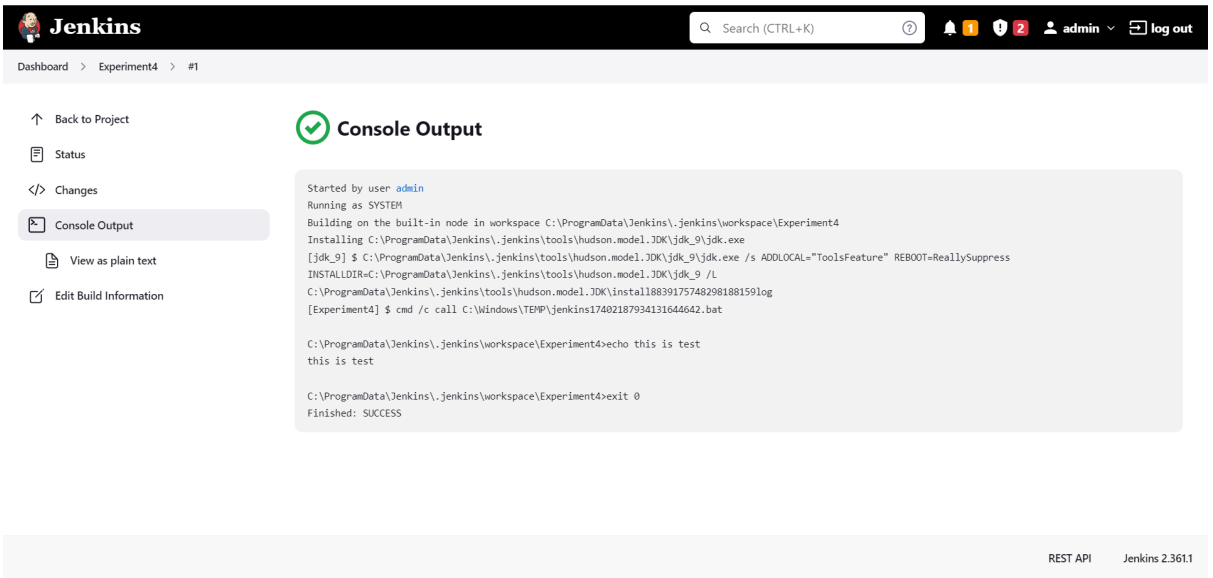

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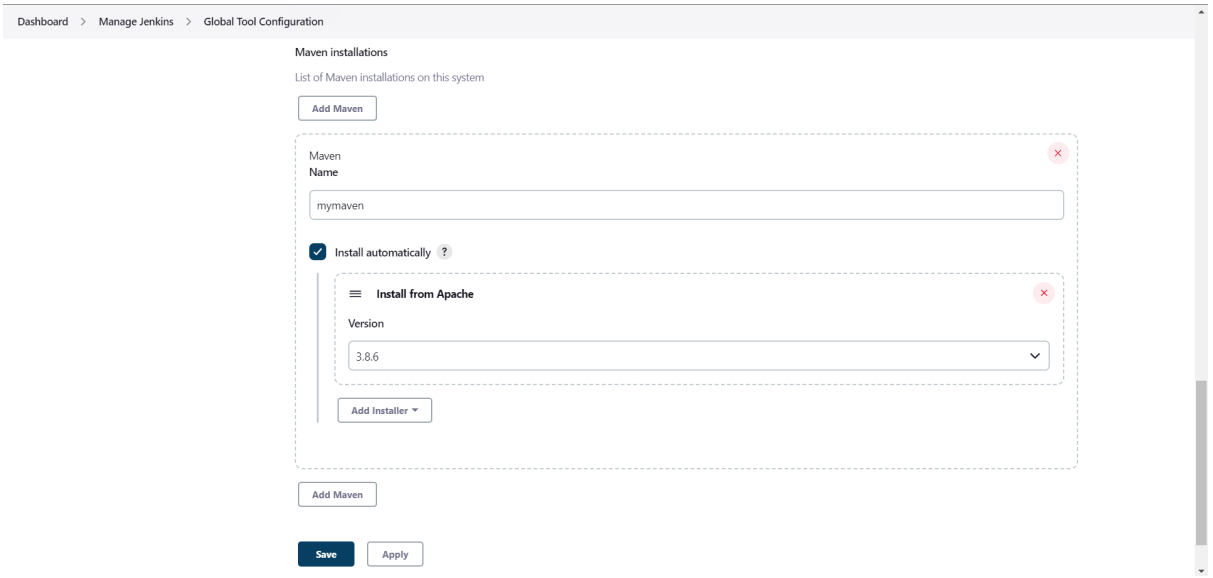

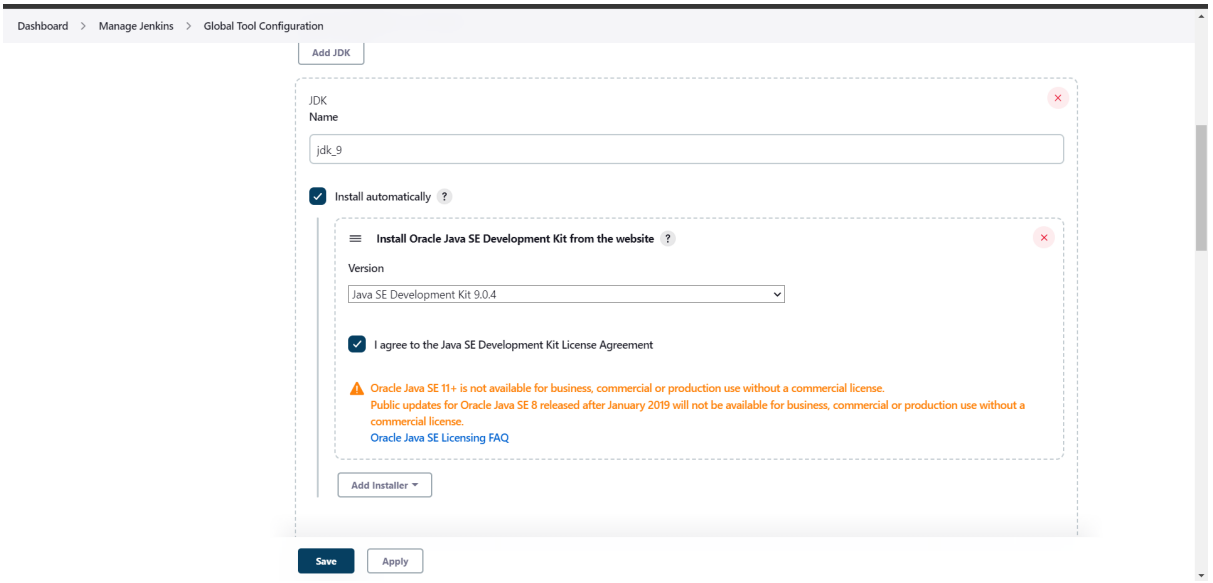

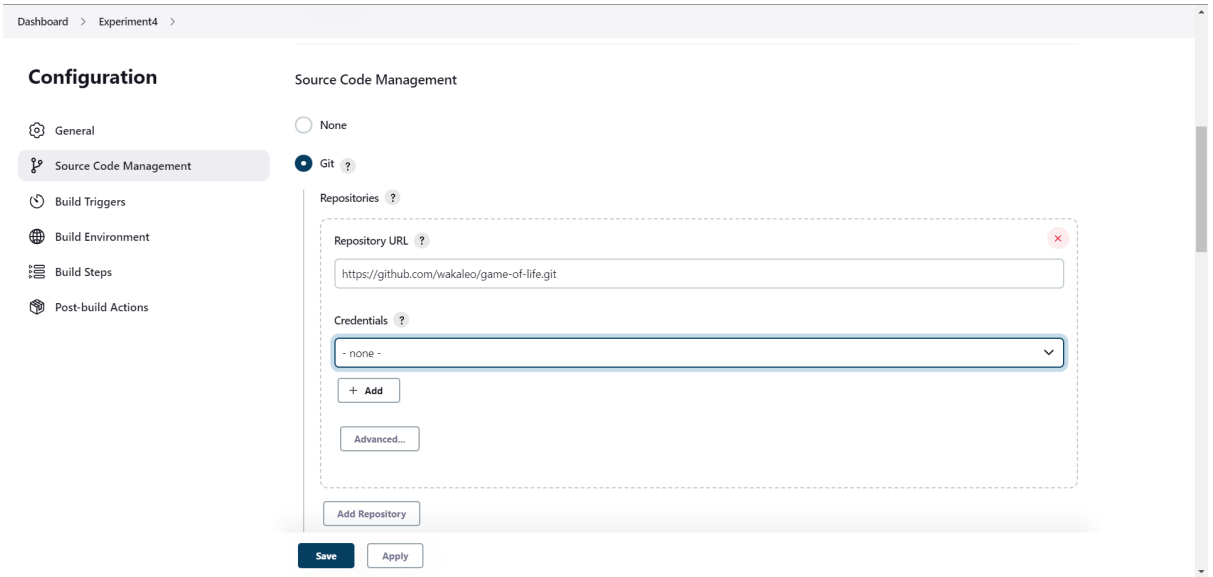

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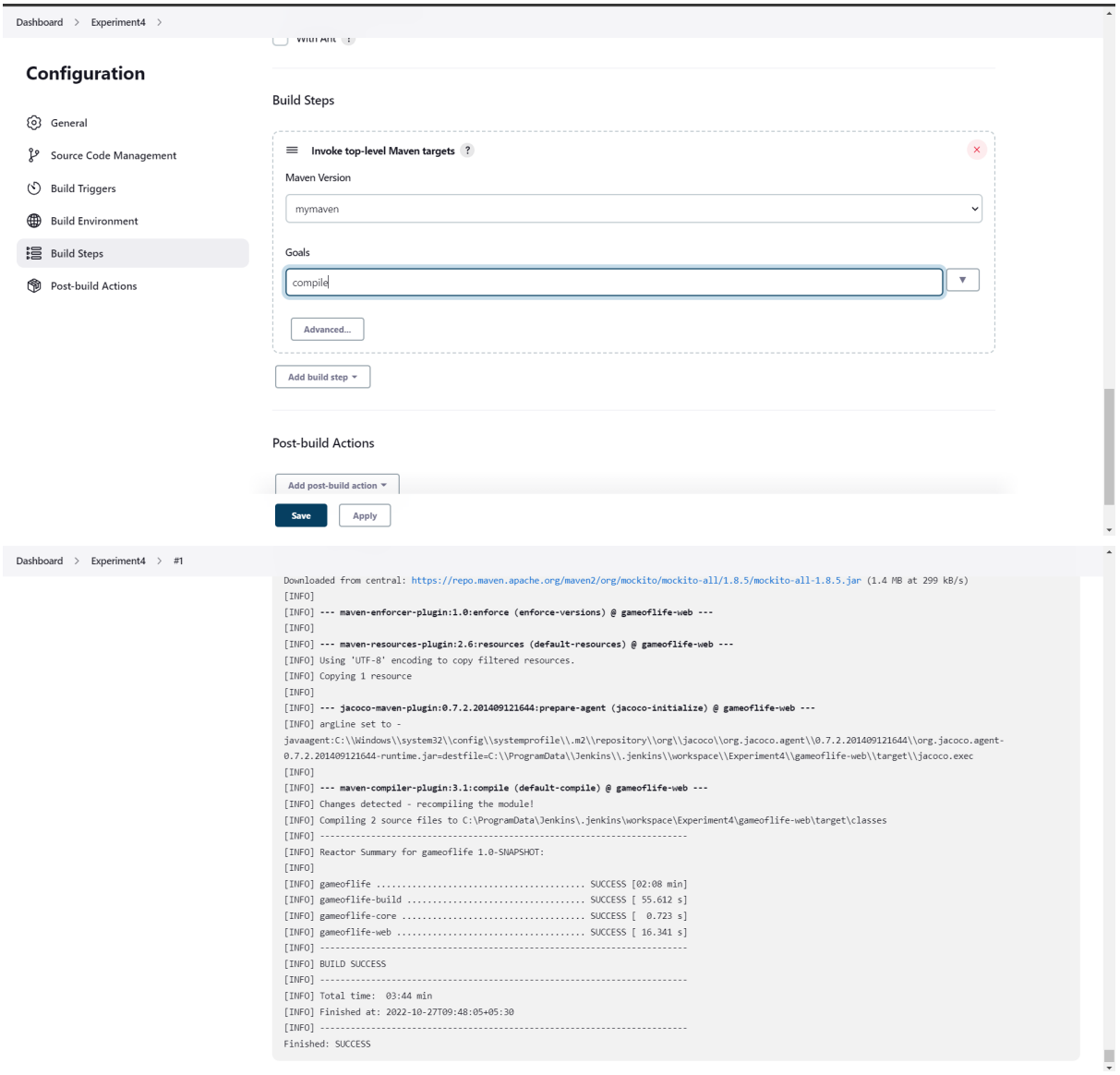

Conclusion:

From the above Experiment, we can conclude that ,Jenkins which is an automation server, was installed, configured and used to test simple jobs of freestyle type, one to execute a windows batch command and the other to use maven to integrate a project Game of Life. Hence, with this experiment we have achieved the Lab Outcome Three (LO3).

POs Achieved: PO1, PO5, PO12