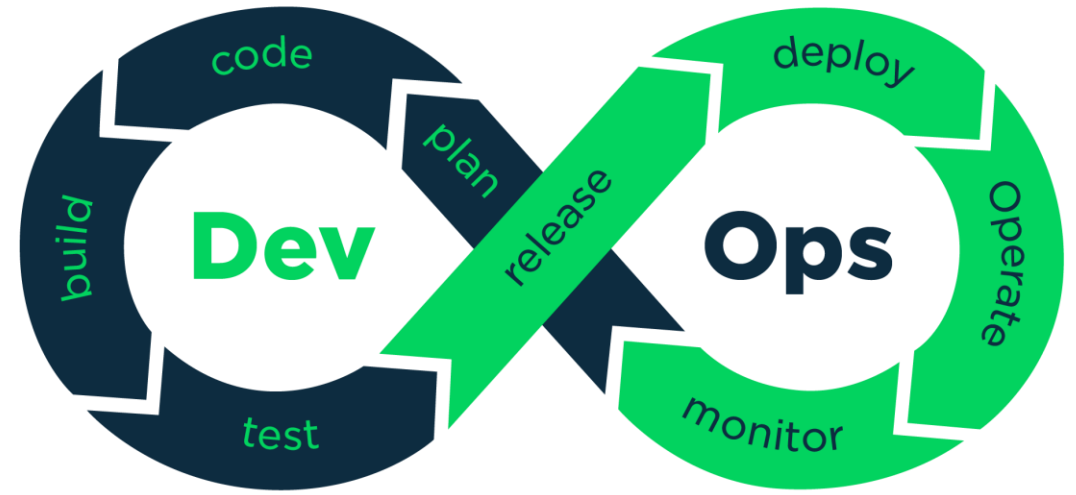




# Jenkins



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## Jenkins: Build Project

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Create Jenkins Maven Base Project

# Jenkins : Maven POM.XML file

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- ❖ Describe the Software Project being built, including -
- ❖ The Dependencies.
- ❖ The Directory Structures.
- ❖ Required Plugins.

# Jenkins : Maven Life-Cycle

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- ❖ **Validate** : Validate Project is correct and all necessary information is available.
  - ❖ **Compile** : Compile the Source Code
  - ❖ **Test** : Test the Compiled Source Code using suitable unit Testing Framework.
  - ❖ **package** : Take the compiled code and package it.
  - ❖ **Install** : Install package in Local Repo, for use as a dependency in other project locally.
  - ❖ **Deploy** : Copy the final package to the remote repository for sharing with other developers.

# Jenkins : Maven Build Phases

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- ❖ These life-cycle phases are executed sequentially to complete the default life-cycle.
- ❖ We want to specify the maven **package** command, this command would execute each default life cycle phase in order including **validate**, **compile**, **test** before executing **package**.

