

Jenkins, Git and GitHub (Continued)

- **GitHub**

- Create a public account on GitHub
- GitHub is a code hosting platform for version control and collaboration.
- Create a repository say 'DemoProject' to store the code on the server instead of in local.

- **Git**

- Git is a version control system using which **we can version, upload, maintain and download the code** from GitHub
- Install 32 bit version of Git

- **Jenkins**

- Download Jenkins and install
 - On browsing localhost:8080, all the plug-ins required by Jenkins will be installed
 - Create a free style project in Jenkins and explain the building process
 - Source code option set to **none** will build the code from a local machine
 - Demonstrate building process using Windows command > echo %time%
 - Select 'Build Now' option to build
 - Go to Console output to view the results
 - Can build periodically
 - * * * * * (Every Minute)
 - 0-0 5 * * * (Every day at 5 AM)
 - 0-0 0 * * * (Every day at 12 midnight)
 - 0-0 5 * * 3 (Every Wednesday 5 AM)
 - 0-0 H/6 * * * (Every 6th hour)
 - H/5 * * * * (Every 5 mins)
 - 0-59/2 * * * * (Every 2 mins)
 - We can invoke ANT > build.xml on Local machine using Jenkins by providing the complete build path and targets like run, compile etc.
 - Enable the Auto refresh in Jenkins
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