Introduction

Thursday, June 7, 2018 12:02 PM

Build Management

Ocreate a object file - Compilation

All individual

java files into

a object file

DAssemble all the object files > Assembly

Create a product ox a binary of ox a artifact using which we run and obtain some functionality

[Compilation + Assembly = Build.

- Individual developer compiled files connot be used by a QA (quality Analyst)

QA looks at the orierall product

- Developer environment is not Stable
- Environment bhould be bimilar to what a Customer (or) QA will have
- Developer will be obing so many

- Developer will be doing a my

Build management - How quickly on efficiently we can create a product from the Source Code

Maven - Not just a build tool - Also helps to manage the project Managing - Gives defiened life Cycle

Managing - A set of Standards on followed

project - Do a complete dependancy of a project

Managing - Ma

- Maven is more than just Build Tool
- Maven was built considering certain objectives
- Maven Provides:

 - O Uniform Build System Reuse in different projects
 - Quality Project Information
 - Guidelines for Best Practices Development

Maven Provides:

- Achieved Characteristics:
 - Visibility
 - Reusability
 - Maintainability
 - o Comprehensibility "Accumulator of Knowledge"

Comparison with ANT

ANT -> Target -> build. XM1 MAYEN -> GOAL -> POM.XML

- 1. One level above ANT
- 2. Higher level of reusability between builds
- 3. Faster turnaround time to set up a powerful build
- 4. Project website generation
- 5. Less maintenance
- 6. Greater momentum
- 7. Repository management
- 8. Automatic downloads

Corresponding goal -> plugins avoilable in maven

MYN CMD

Corresponding goal -> Plugins Lusing plugins tasks are executed

mvn -> goals -> Plugin -> tasks) java & for

- Goals are internally associated with plugius

Marlen Features

- Baild tool
- Dependancy Management tool
- Documentation tool

