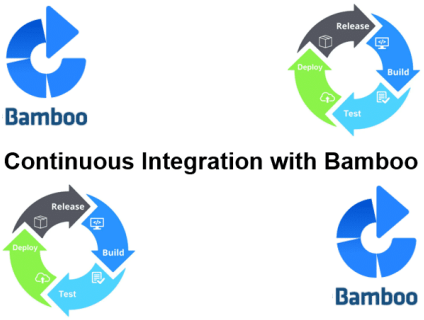
Continuous Integration with Bamboo

Duration: 2 days Price: € 1299

Open Schedule



Audience Course Continuous Integration with Bamboo

The course Continuous Integration with Bamboo is intended for developers, testers and administrators who want to use Bamboo to set up continuous integration projects.

Prerequisites Course Continuous Integration with Bamboo

Experience with IT projects in a DevOps environment with the Agile Development methodology and Scrum is beneficial for the understanding but not strictly necessary.

Realization Training Continuous Integration with Bamboo

The theory is discussed on the basis of presentations and demos and is interchanged with exercises. Demo projects should clarify the concepts discussed. The course uses the latest version of Bamboo. Course times are from 9.30 up and to 16.30.

Certification Continuous Integration with Bamboo

After successful completion of the course, the participants receive an official certificate Continuous Integration with Bamboo.

Content Course Continuous Integration with Bamboo

In the course Continuous Integration with Bamboo participants learn how the latest version of Bamboo can be used to set up a continuous integration and continuous delivery (CI/CD) pipeline. CI/CD is a best practice in agile development in which changes in the code of a software project are automatically tested and integrated.

DevOps Process

CI/CD is part of the DevOps process whereby developers check in code changes regularly in a central repository, after which tests and builds are performed automatically. The tools ensure that the new code is correct before it is integrated into the software project.

Bamboo Configuration

The course starts with a discussion of the connection of Bamboo with version control systems such as Git, CVS and Bitbucket and goes into the tasks that Bamboo supports with build plans, stages and jobs.

Dashboards

Next you will learn how to create projects in the Bamboo Dashboard and configure build plans with tasks and jobs. This also deals with setting triggers and linking to repositories.

Build Configuration

More detailed attention is also paid to configuring build plans, jobs and stages, setting up connections with repositories and setting build triggers. Build notifications and passing parameters are also discussed here.

Build Automation

Also treated is how Bamboo can perform many different tasks automatically using tools such as Maven and Gradle Build tasks, .NET Build tasks, MSBuild and MSTest tasks and Selenium Tests. And automatic deployment is also discussed.

Administration

A lot of attention is also paid to Bamboo Administration with global variables, user management, permissions and the setting of bulk actions.

Reporting

Finally the reporting options from Bamboo are reviewed with which insight can be gained into build history and build activity, failed builds and the audit log.

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Locations
Houten, Amsterdam, Rotterdam, Eindhoven, Zwolle, Online

Modules Course Continuous Integration with Bamboo

Module 1 : Bamboo Intro	Module 2 : Projects and Plans	Module 3 : Configuring Plans
What is Bamboo?	Bamboo Dashboard	Editing Build Plan
Continuous Integration	Creating Projects	Configuring Stages
Atlassian CI Server	Build Plans	Configuring Jobs
Version Control	Default Job	Configuring Stages
Git, CVS and BitBucket	Extra Tasks	Configuring Repositories
Supported Tasks	Enabling the Plan	Scheduled Build Triggers
Deployment Projects	Link Repository	Repository Polling
Build Plans	Configure Tasks	Adding New Branch
Stages and Jobs	Clone Build Plan	Configuring Permissions
Simultaneous Jobs	Triggers	Build Notifications
Installing Bamboo	Favorite Projects	Build History Expiration
Bamboo Server Port	Filter Plans	Passing Parameters
Module 4 : Task Execution	**Module 5 : Bamboo Administration**	**Module 6 : Reports**
Java Project Tasks	Agents	Bambo Reports
Maven and Gradle	Global Variables	Build Activity
.NET Tasks	User Management	Build Duration
MSBuild and MSTest	Linked Repositories	Agent Utilization
Linux Shell Build	Server Capabilities	Build Failures
Powershell Build	Global Permissions	Number of tests
Selenium Tests	Add-on Management	Viewing Build History
Manual Builds	Exporting Build Plans	Viewing Artifacts
Adding Deployment	Importing Build Plans	Successful Builds
Web App Deployment	Build History	Failed Builds
Build Queue	Bulk Actions	Audit Log

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