



Overview

The objective of the Blackboard Building Block Technical Knowledge Transfer service is to provide clients with the knowledge necessary to successfully build Blackboard Learn™ application extensions by providing a 3-day onsite workshop that includes information, technical exercises, development examples, and documentation so that clients become self-sufficient in their Blackboard Building Block development activities.

Workshop Topics:

Day 1

Environment Setup

- Installation of software necessary for exercises
- Blackboard environment configuration (debugging, logging, etc.)

Blackboard Overview

- Review Blackboard Application Architecture
- General entities and concepts
- Review technologies used by Blackboard

Introduction to Building Blocks

- Downloading and Installing Building Blocks
- Extending Blackboard
- Using the Building Block Framework
- Anatomy of a Building Block
- Review of available resources

Day 2

Interfaces

- UI Design & bbNG Tag Library
- Best Practices in Interface Design

Data Management

- Blackboard API Overview
- Core Data Elements and Data Model
- Blackboard Context

Data Collection

- Forms
- Loading and Persisting Data
- Inline Receipts

Data Presentation

- Presenting Data
- Lists in Blackboard

Modules

- Overview of Modules in Blackboard
- Learning System, Generic, and Included Pages

Day 3

Clients may select any two topics from the list below:

- Application Workflow
- User experience best practices
- Development Tools and Tricks
- Mash-ups
- Basic Web Services
- Alternatives to Building Blocks



Who Should Attend

Blackboard Developers using Blackboard Learn™ 9.1.x who meet the following requirements:

- Administrator level access to a Blackboard Development environment
- Basic level, or above, Java experience including the ability to write, compile, and understand Web applications written in Java using the Struts/Spring MVC framework
- Basic level, or above, understanding of Blackboard functionality

Duration and Costs

- 3 days Onsite
- \$17,000 USD for up to 5 participants (consultant travel and expenses are not included in the cost)

For any questions, please email training@blackboard.com, or contact your Blackboard Account Executive.