

Kabira Education Services

Course 300 : The Kabira Infrastructure System Advanced Development Workshop

This course is the second level training class for Developers using the Kabira Infrastructure System (KIS) tools from Kabira Technologies. The course is intended to take students from the introductory level achieved by attending the Level 1 class (2) and broadens understanding and ability to competent engineer status. Whether developing in pure KIS or planning to work with a Kabira framework this class will give you important skills. It is assumed that some experience with KIS will have been gained between finishing the level-1 classes (210/215) and attending this session. The course is a mixture of theory and lab based practical.

Objectives: Candidates will be able to

- Use the same methodology and practices as Kabira Engineers in developing an application
- Use Kabira test frameworks
- Debug both a development and production KIS application
- Know how to manage user threads
- Model notifiers (aka callbacks)
- Identify and resolve performance problems
- Understand Kabira transaction and locking policies
- Distribute applications

Major Topics:

- Kabira development practices
- Tips on how to debug Kabira applications
- Kabira's method of developing and using tests
- Managing transactions and locks
- Distribution of an application
- Practices for good performance
- Commonly used design patterns

Course Modules:

- Review of Course 210
- Advanced Development Practices
- Transactions and locking
- Debugging
- Exception Handling
- User threads and threading
- Design Patterns – notifiers, facades, ...
- Distribution
- Performance considerations

Target Audience: Kabira Infrastructure System Architects, Engineers, Developers, Programmers, etc.

Prerequisites:

- 210 KIS Developer's Workshop attendance or equivalent knowledge
- 215 Interfacing with Kabira attendance or equivalent knowledge

Course Duration: 4 Days