

# Kabira Education Services

## 250: Kabira Payment Switch Developer Program

### Benefits:

This is a highly targeted training program which focuses on the necessary skills required by a developer with the responsibility for the implementation and testing of components that will make up a full Kabira Payment Switch (KPS) based system. Once completed, this program will enable students to be useful implementers in a Kabira Payment Switch implementation project. It will NOT enable them to carry out complex requirements analysis NOR will it give sufficient knowledge to conduct full architectural designs using the KPS product. This course is designed for the ground troops who may write action language for gateways and tasks, create the necessary unit tests and check their code. It will allow the target audience to use Channel Adapters, Route Selection and Correlation Cache functionality supplied as part of the product. The program shall enable students to define new data objects based on an architect-supplied specification. The course shall enable the student to use all necessary tools as supplied by Kabira

### Course Goals:

- To give technical instruction on developing electronic payment gateways
- To enable students to be useful members of teams responsible for implementing electronic payment gateways using Kabira Payment Switch

**Course Objectives:** On completion students will be able to:

- Describe the kinds of problem that developers may resolve using KPS.
- Describe core functionalities offered by KPS and its internal architecture
- Utilize core functionalities to implement complete KPS systems
- Make use of Kabira's development and deployment tools

### Self-paced eLearning modules

- Introduction to Action Language
- Introduction to IDLoS (Interface Definition Language utilization in Kabira products)
- Using the Kabira IDE
- Kabira Process Modelling

### Classroom Instructor Led Training

- Introduction
  - user roles and certification
- KPS problem domain and feature set
- Using KPS templates to create an application
  - Creating a payment switch project
  - Building a payment switch
  - Testing a payment switch
  - running a test
  - Deploying a payment switch
  - loading configurations
- KPS Architecture

- Introduction to the Configuration Service
  - creating and deploying configuration files
- Kabira Process Modeling and Management
- KPS Processes and Message types
- Using and Extending Kabira Application Services
- Using and Extending Kabira Channel Adapters
- Testing an application
- Deploying and Managing KPS

**Program Duration:** 1 day WBT + 3 days ILT

**Target Audience:**

- Development staff who will assume the role of junior implementers on a Kabira Payment Switch project.

**Prerequisites:**

- Understanding of the financials problem domain
- Familiarity with work flow applications
- Implementation experience using a recognised OO language – C++, Java