

# ***i2 Agile Business Process Platform v6.2.7 Level II***

November 2007



## ***Summary***

<b>Solution Type:</b>	Platform
<b>Industry:</b>	General
<b>Product(s)/Template(s):</b>	i2 Agile Business Process Platform
<b>Target Audience:</b>	Technical Implementers (Super User / Application Engineer)
<b>Delivery Method:</b>	Instructor Led Training with a web based prerequisite training
<b>Training Approach:</b>	Lecture & Exercises
<b>Duration:</b>	4 days
<b>Version:</b>	6.2.7

## ***Description***

This course is designed to give you hands on experience with the i2 Agile Business Process Platform solution. The course will provide the audience with a functional overview and a detailed technical explanation of i2 Agile Business Process Platform. The course will provide the detailed technical explanation of i2 Studio which is the Visual tool for building composite applications using the ABPP framework. Data modeling, Process Modeling, Schema Generation, Table Editors and Workflows in ABPP will be covered. Hands-on exercises with the ABPP Studio will extensively cover API and Validation frameworks.

The i2 ABPP Level I prerequisite is a web based training class that is self directed and required of the student to complete prior to attending the Level II class. It is designed to introduce you to the i2 Agile Business Process Platform (ABPP) solution. In this course students will be given a basic functional overview of the i2 ABPP framework. The course includes data modeling, architecture, E2E services, and other ABPP services. The lectures will provide a high level explanation of the i2 ABPP Studio and the benefits of the new i2 Agile Business Process Platform will be discussed.

## ***Content***

This ABPP Level II course is composed of the following Sections:

- Section 1: Introduction to i2 Studio
- Section 2: Data modeling in Studio
- Section 3: Process modeling in Studio
- Section 4: Creating a simple table editor workflow
- Section 5: Modifying global models
- Section 6: Creating advanced APIs
- Section 7: Creating workflow networks
- Section 8: User authentication and authorization
- Section 9: Advanced validation framework

- Section 10: Data upload service
- Section 11: Deploying ABPP projects
- Section 12: Performance tuning

The i2 ABPP level I Web Based Training prerequisite is composed of the following sections:

- Section 1: ABPP Functional Overview
- Section 2: ABPP Technical Overview
- Section 3: Data Modeling
- Section 4: ABPP Services
- Section 5: E2E and Data Services
- Section 6: ABPP Specifications

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## **Prerequisites**

- **i2 ABPP Level I Web Based Training (WBT) REQUIRED**
- Intermediate knowledge of Scripting/Programming
- Intermediate knowledge of RDBMS
- Intermediate knowledge of SQL
- Intermediate knowledge of XML
- Basic PC knowledge and skills, including MS Windows™ and web browsers
- Practical knowledge of relational database principles
- Some programming experience is useful

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## **ABPP Level II Overview**

### **Day 1**

#### **ABPP studio**

- Introduction and Data Modeling in studio
- ABPP Server and Services
- Process Modeling in Studio
- Understanding basic ABPP programming syntax
  - ADD DOCUMENT
  - GET DOCUMENT
  - MODIFY DOCUMENT
  - FOR EACH and IF TEST

### **Day 2**

#### **ABPP studio**

- Writing and Invoking simple Rules for use in workflows
- Process Modeling using Table Editors
  - Defining Table Editor Node
  - Adding books to the catalog
  - Editing a book from catalog
  - Searching and deleting books
- Creating encapsulated APIs
  - API\_DOC
  - RULE
  - Advanced ABPP syntax
  - Implementing Logic
  - Compiling and fixing errors
  - Unit testing with Post To Server function

### Day 3

#### ABPP Studio

- Process Modeling using networks of workflows
  - Sub-workflow Nodes
  - Pop Up Windows
  - Close and Refresh
  - Using the Debugger and Sample Data
- User Authentication
  - Add user profile document
  - Configure password encryption
  - Create user security service
  - Create APIs for validating logins
- User Authorization
  - Create APIs for handling activities
  - Assign activities to workflows

### Day 4

#### ABPP Studio

- Advanced Validation Framework
  - Insert Validation file
  - INVOKE\_VALIDATION\_FRAMEWORK
- Data Upload Service
  - Insert Data Upload Service
  - Create Template
  - Create Data
  - Create UI links
  - Load data from the server side
- Deploying your ABPP Project for Production
  - Preparing for deployment using i2 Studio
  - Co-locating ABPP within Weblogic
- Performance Tuning
  - Using SQL with X-Rules

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### **Summary of Expectations**

- Create data models with i2 Studio
- Understand basic and advanced ABPP syntax
- Create networks of workflows
- Use ABPP predefined services and specifications
- Be able to model and code business processes with ABPP

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### ***i2 ABPP Level I Web Based Prerequisite Training Overview***

#### Content

- ABPP functional benefits
- ABPP technical architecture

- a) Definitions
  - b) Service oriented architecture
- Data modeling
  - a) Definitions
  - b) Workflow concept
- Explanation of the E2E and data services workflow
  - a) Staging Tables
  - b) Cleanse, Validate and Filter
  - c) Master repository
- Understanding ABPP predefined specifications
  - a) Search/Filter
  - b) Import/Export
  - c) Table Editor
  - d) Audit Trail
- Understanding ABPP archived services
  - a) Data Upload
  - b) Approval
  - c) Timer

## **Examination**

- 70 multiple choice questions
  - a) 70 % to pass

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## ***Summary of Expectations***

- Understand benefit of ABPP within your organization
- Have basic understanding of i2 Studio data modeling components
- Have basic understanding of ABPP technical architecture
- Be able to recognize ABPP's predefined services
- Be prepared to enter level II training