



## SMART Work Manager For SAP Systems

**Course Fee: \$2500 USD**

This intensive programming course will enable graduates to configure SMART Work Manager technology to meet the needs of lean operating goals. This course delivers a sophisticated skill set for personnel currently comfortable with mobile server configuration.

This course requires 5 days of classroom instruction with 40 hour remote Certification Test.

This class builds on the knowledge gained from the Agency Essentials class. As such, all students must attend either the Syclo Agency Essentials Class or must successfully complete the Agency Essentials Self study prior to being approved to enroll in this class. The availability of the self study will be made on a case by case basis and does not serve as a substitute for the Agency class itself but only as preliminary material. Further inquiries about the self study may be directed to [training@syclo.com](mailto:training@syclo.com).

*This is a five day, Monday through Friday, course. Classes begin at 8:00 a.m. and conclude at 5:00 p.m. US Central Time. Please make travel plans accordingly.*

### Requirements:

- Experienced Software Developer
- SAP ABAP programming experience
- Knowledge of JAVA

## Course Outline

### 1. Overview

SMART for SAP Overview  
 SMART for ABAP Add-On Kit

### 2. SAP Overview

Exercises in SAP Navigation

### 3. Setting up the Development Environment

Install Agency Server, Editor  
 Set up the java Environment and JCo  
 Configure Agency, ini files, etc...  
 Basic Connectivity Test  
 Functionality Acceptance Test

### 4. Exchange Process Demonstration

Explain the exchange layer concepts &  
 Features, such as exchange table, handler,  
 field selection, filter rules.

More...

### 6. Advanced Modification / Configuration

- Exercise 5: Add New Data Table
- Exercise 6: Add New Complex Table
- Exercise 7: Modify Transaction
- Exercise 8: Add New Data Object
- Exercise 8: Add New Exchange Object
- Exercise 9: Upstream Transaction

### 7. Eclipse JAVA Best Practices

### 8. Trouble Shooting Techniques

JAVA Debugger  
 JMAP  
 Lessons Learned  
 Standards  
 General Staging

### 9. Advanced Agency Configuration

Advanced Rules  
 Branding

## 5. SAP/SMART Exchange Process and SMART Architecture

- Intro to the Add-On Component
- Exchange process functionality
- Filtering
- SE37 Field Changes
- SE 37 Logging
  - Exercise 1: Exchange
  - Exercise 2: Modify Complex Table
  - Exercise 3: Modify Transaction
  - Exercise 4: Modify Fetch

- Transmit Configuration
- Pushes
- Remote Object
- Local Exchange table/key mapping

## 10. Lessons Learned from Implementation Experience

**Syclo's Support & Maintenance Program** is an integral part of your mobile solution. As an active SMP account you maximize your mobile software investment with access to the latest technology enabling you execute on strategies that help lower operating costs and keep your employees productive.

**The Syclo Customer & Partner Resource Center** offers a 500+ item knowledge-base, access to manuals and guides and technical bulletins. The site features advanced search and filter capability making locating just the right information easy and fast.