



Motorola JPSS Server Framework Software Provides a Strong Revenue Opportunity and Convenient Developer Experience



Motorola MC17 JPSS Server Framework Software (JPSS SFS) Overview

One of the primary advantages of the MC17 Series is its ability to provide Java-based Personal Shopping System (JPSS) server framework for software partners. This optional software tool has proven to offer a substantial revenue opportunity for software partners. Designed to help retailers minimize deployment time and reduce risk associated with developing and integrating store-level application solutions, this framework also allows software partners to develop a strong customer loyalty as part of its benefit.

Built on open source software, the JPSS framework software facilitates Java Web-based application development and is certified for IBM's Store Integration Framework (SIF). This special features ease integration with POS systems, enabling customized application development for maximum value.

JPSS SFS: Additional MC17 Advantage for the Software Partner

JPSS SFS

JPSS Server Framework Software (JPSS SFS) tool:

- An optional application development framework
- Available in open source & IBM-SIF compatible versions
- Java-based server SW, having well defined integration points with external systems and customizable UI

Feature Set

A reference implementation of POS and Customer Loyalty System:

- Well-defined interfaces to interact with the backend systems (e.g. POS and Customer Mgt.); all integration points are extracted as web services
- File Importer—Import customer and item information to the database
- PSS Enterprise Application—Archive containing core PSS framework
- A web console for remote management

Benefits

Convenient opportunity to gain additional revenue and increase customer satisfaction:

- Enables easier custom POS application development
- Simplifies integration with legacy and industry-standard POS
- Accelerates time-to-deployment of POS custom application for retailers

Learn more about JPSS SFS: [\(click link below to go to page\)](#)

What Is JPSS Server Framework Software?

How Does JPSS SFS Work?

What Does JPSS SFS Development Kit Include?

What Is JPSS Server Framework Software?

Java-based PSS framework software serves as a foundation for:

- 1) custom POS application development and
- 2) integration with legacy and industry-standard POS systems, including IBM's Store Integration Framework (SIF), using well-defined web services

It provides application source code for the web services so that it can be used, modified, or replaced as the integrator sees fit for specific application requirements.

It includes a reference implementation of POS and Customer Loyalty System. This allows integrators to install Personal Shopping System (PSS), import item and customer data, and help retailers start using the system immediately.

Many retailers will require real-time integration with store POS and customer database systems in order to develop meaningful end-user solutions. Utilizing the JPSS framework software, partners can help retailers integrate applications with their POS and CRM systems and help retailers minimize the time and risk typically associated with developing, customizing, and integrating store-level solutions.

There are two flavors for the JPSS framework:

- **Open Source Compatible**
 - Works on JBOSS and MySQL
 - JBOSS Version:4.2 GA
 - MySQL Version: 5.0.41
 - Supports Windows and Linux platforms
- **IBM Store Integration Framework (SIF) Compatible**
 - Works on WebSphere and DB2
 - WebSphere Version:6.1.0.5 or above
 - DB2 Version:9.1
 - Support Windows and Linux

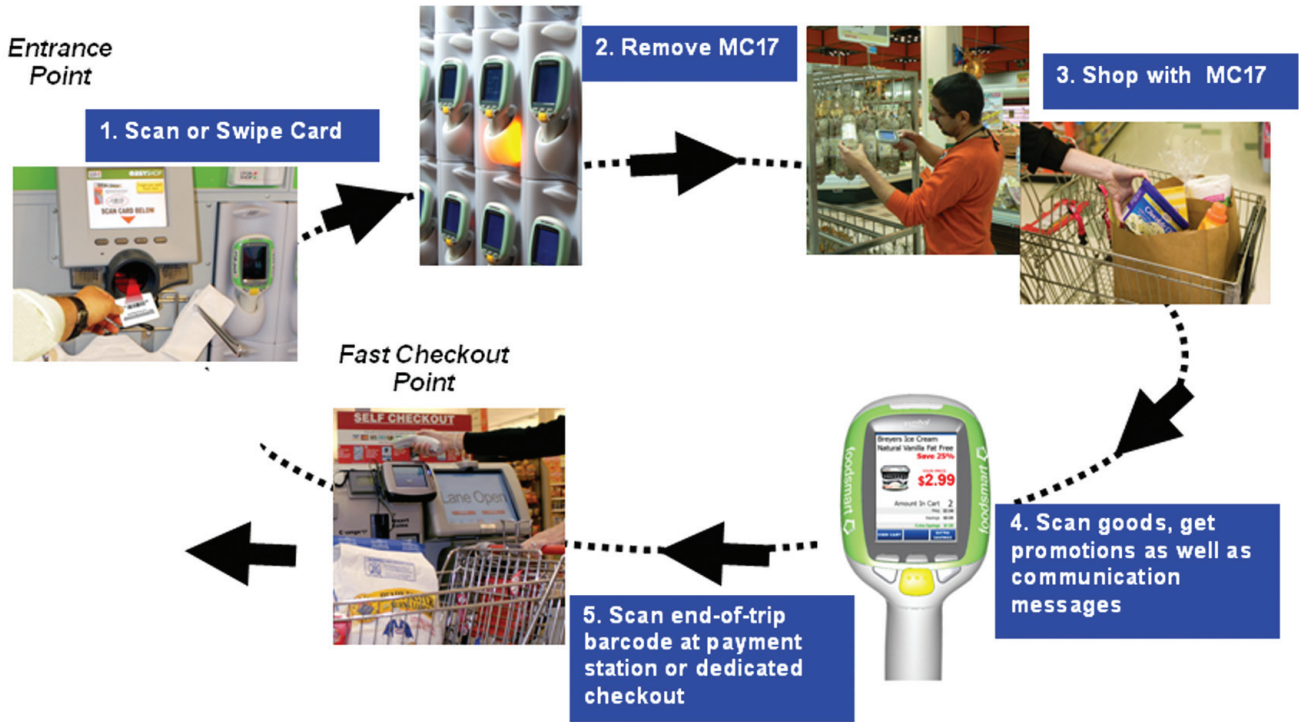
Learn more about JPSS SFS: [\(click link below to go to page\)](#)

Motorola MC17 JPSS Server Framework Software (JPSS SFS) Overview

How Does JPSS SFS Work?

What Does JPSS SFS Development Kit Include?

How Does JPSS SFS Work?



JPSS SFS supports the following PSS application utility and devices as illustrated above:

1. Once customer loyalty card is verified, the JPSS (Java-based Personal Shopping System) releases a MC17 terminal associated with the Entrance Heat Terminal (EHT) at the Entrance Point
2. When the terminal is unlocked, the system starts to create a shopping trip and generates events for all major shopping-basket activities
3. Major JPSS events include Adding & Removing Items / Getting Information about items in basket / Ending or Cancelling shopping trip
4. The JPSS also helps deliver promotional messages to shopper while shopping. Integrators can use events to trigger in-store, manufacturer promotional advertisements to the shopper
5. It provides Express Shopping experience where the shopper can scan end-of-shopping barcode, pay and go
 - Motorola MK Entrance Heat Terminal (EHT)
 - Barcodes-based and magnetic strip-based loyalty cards
 - Motorola MC17/T Hand Held Terminals

Other unique PSS application utility supported by JPSS SFS:

- Shopping basket transfer – A shopper can swap her shopping-basket existing in the current MC17 to a new MC17 terminal. This is useful if the customer is in the middle of shopping and the terminal has problems
- Shopping basket audit – Shoppers can be audited based on store definable criteria
- Queue busting – A store associate can pull shoppers waiting in long lines and scan their grocery items for them
- Device management – The system monitors device's (EHT and MC17) state including battery level (only one customer can use the entrance unit at a time)
- Symbol Pocket Browser facilitates easy development of client side web pages

Convenient remote PSS management is possible with the JPSS Administration Console:

- Store Manager can use the JPSS Admin console to monitor system, assist shoppers and set store policies remotely
- View and manage MC17 inventory
- Get roll-up counts of MC17, sales, items, audits performed, shoppers and so on
- Manage the Device
 - Remote reboot of EHT, MC17
 - Remote unlock of MC17
 - Broadcast messages to all active MC17's
- Monitor POS server status
- Set store timings, view audit history and shopping history, update audit status
- View reports of turnover, shoppers, MC17 availability etc
- Customizable authentication mechanism for JBOSS/MYSQL deployment

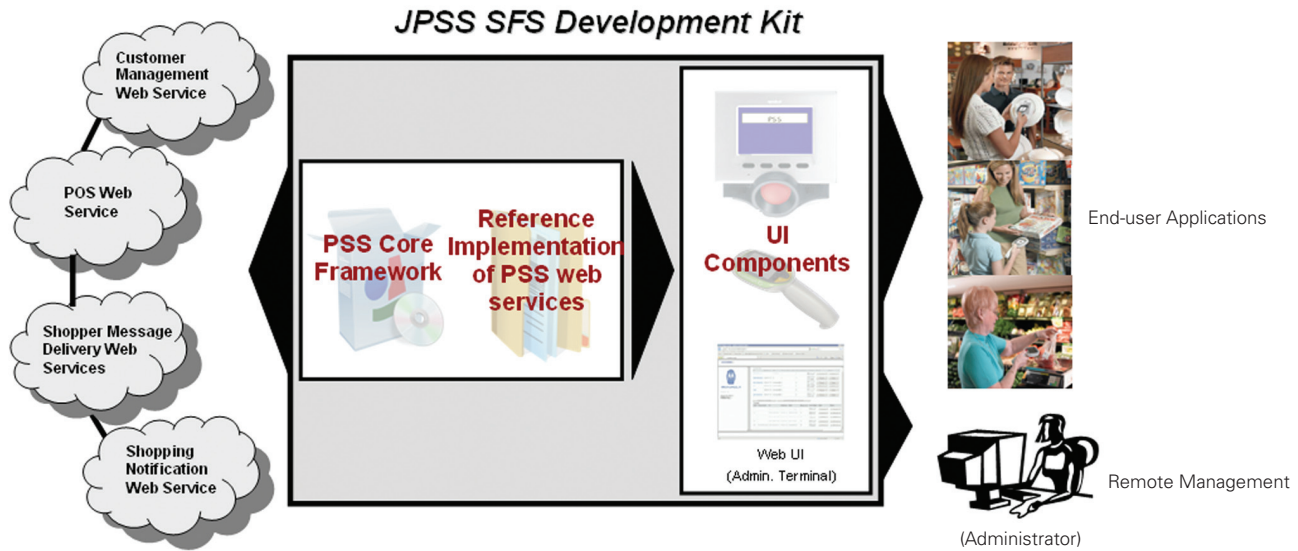
[Learn more about JPSS SFS: \(click link below to go to page\)](#)

Motorola MC17 JPSS Server Framework Software (JPSS SFS) Overview

What Is JPSS Server Framework Software?

What Does JPSS SFS Development Kit Include?

What Does JPSS SFS Development Kit Include?



The JPSS SFS Development Kit is consists of the following items:

PSS Core Framework – defines the basic PSS use cases and is not available for modification. This software, however, is provided as an "ear".

Reference Implementation of PSS web services – can be modified by the integrator to develop PSS solutions that are needed and/or suitable for a retailer's environment.

PSS UI Components –include the device and web UI that can be modified by the integrator per the store needs. This is made available as a web archive.

Learn more about JPSS SFS: [\(click link below to go to page\)](#)

Motorola MC17 JPSS Server Framework Software (JPSS SFS) Overview
What Is JPSS Server Framework Software?
How Does JPSS SFS Work?



motorola.com

Part number TB-JPSS. Printed in USA 10/09. MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners. ©Motorola, Inc. 2009. All rights reserved. For system, product or services availability and specific information within your country, please contact your local Motorola office or Business Partner. Specifications are subject to change without notice.