

SAP XI adapters

Real Time Supply Chain (RTSC) Solution

Data sheet



The HP Real Time Supply Chain (RTSC) Solution supports SAP Exchange Infrastructure (XI) adapters. The SAP XI framework can transform SAP intermediate documents (IDocs) and other SAP-specific message formats into an XML format suitable for processing by the solution's the Real Time Information Director (RTID). These SAP transformation services execute within the SAP Integration Server, which runs on an HP server with the HP-UX Operating System, or Linux or Microsoft® Windows® operating system. On the outbound side, the RTID uses metadata mapping to return updates of records to which the SAP application has subscribed.

Key features and benefits

- Enables customers to implement cross-system business processes
- Allows integration of different versions of SAP applications and other applications on different platforms
- Supports an open architecture and uses open standards (in particular, standards from the XML and Java environments)
- Offers services that are essential in a heterogeneous and complex system landscape: a runtime infrastructure for message exchange, configuration options for managing business processes and message flow, and options for transforming message contents between the sender and receiver systems

SAP XI adapters allow integration of SAP systems and other enterprise applications with the HP RTSC Solution on NonStop servers.

Detailed description

The SAP XI is part of the SAP NetWeaver product suite. It runs on SAP certified platforms; for instance, it can run on an HP server with HP-UX Operating System, or Linux or Windows operating system. SAP XI provides several ways to integrate SAP systems and other enterprise applications with the RTSC Solution on the HP NonStop server.

The RTSC Solution architecture relies on the following SAP XI adapters to integrate SAP XI with the NonStop server:

- Java Message Service (JMS) adapter for real-time document exchange
- File adapter for batch transmissions

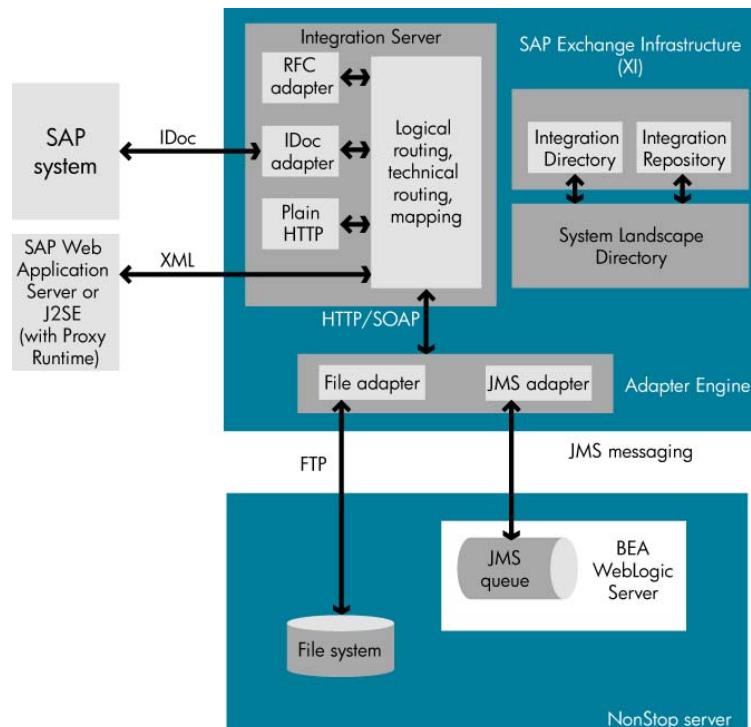
This following figure shows the integration of an SAP system with the RTSC Foundation Layer using JMS and File adapters. The SAP system sends and receives IDocs or XML messages, depending on the version of SAP being used.

Integration Server

The Integration Server is the SAP XI component that routes and transforms messages between SAP systems and the RTSC Solution on the NonStop server. To describe the configuration and the message flow between systems, the following tools are available:

- *System Landscape Directory (SLD)*. The SLD contains the software and hardware configuration information that the Integration Engine needs to perform its functions.
- *Integration Builder*. The Integration Builder provides a graphical user interface (GUI) for designing the message flows (including message types, mapping, and routing information) required to implement business scenarios.

An SAP system with the RTSC Foundation Layer using JMS and File adapters



Adapter Engine

The Adapter Engine, which runs on SAP certified platforms, such as an HP server with the HP-UX Operating System, or Linux or Windows operating system, supports a variety of adapters for integrating different kinds of systems with SAP XI.

The adapters required for communication with the RTSC Solution reside in the Adapter Engine. For an RTSC Solution, a browser-based interface is used to configure the Adapter Engine to include the JMS and File adapters.

The adapters needed to connect an older SAP system to SAP XI reside in the Integration Server. Newer versions of SAP do not require adapters to connect to the Integration Server. Instead, a runtime component (called the Proxy Runtime) on the SAP system sends and receives XML messages.

JMS adapter

The JMS adapter is the preferred option for integrating SAP XI with the RTSC Solution on the NonStop server platform because JMS

- Guarantees reliable messaging
- Supports publish and subscribe functions
- Is supported by BEA WebLogic Server software for NonStop servers and inherits the reliability and scalability characters of WebLogic Server

The Integration Server JMS adapter uses WebLogic Server resident client libraries and connects with the JMS capability of WebLogic Server on the NonStop system.

File adapter

The File adapter is useful for high-volume batch operations. It transfers data as flat files or XML using File Transfer Protocol (FTP).

Technical specifications

System requirements

Hardware

HP NonStop S-series Server (for running the RTSC Foundation Layer)
HP server running HP-UX Operating System, or Linux, Windows NT®, Windows 2000 (for running the SAP NetWeaver product suite), Windows 2000 Professional, or Windows XP operating system

Software

NonStop server

HP NonStop Kernel Operating System Release Version Update (RVU) G06.18
HP Open System Services (OSS) Environment
BEA WebLogic Server 8.1 or later (to use the JMS adapter; must be ordered directly from BEA)
FTP server (to use the File adapter)

SAP XI	SAP Exchange Infrastructure (XI) 2.0 BEA WebLogic Server JAR file (weblogic.jar; for access to WebLogic Server JMS; installing the weblogic.jar file on the SAP XI platform requires a WebLogic Server license)
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Supported HP platforms

Hardware	NonStop S-series Server (for running the RTSC Foundation Layer) HP server running HP-UX Operating System, or Linux, Windows NT, Windows 2000 (for running the SAP NetWeaver product suite), Windows 2000 Professional, or Windows XP operating system
Software	HP NonStop Kernel Operating System RVU G06.18 or later OSS Environment HP-UX Operating System, or Linux, Windows NT, Windows 2000, Windows 2000 Professional, or Windows XP operating system

Ordering information

Note: Detailed documentation on how to install and configure the SAP XI adapters on a NonStop server platform will be provided as part of a total solution offering that includes the other new RTSC Solution components: Real Time Information Director, Data Model, and Customer/Parts/Supplier Manager. For more information, contact your local HP sales representative.

Product name	Order process
SAP XI JMS adapter	Coordinate ordering of the SAP XI adapter through the HP Product Manager for RTSC Solutions (and a SAP XI account representative for the account).

For more information

For more information about SAP XI adapters for the RTSC solution, visit www.hp.com/go/rtsc.

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