

IBM WebSphere Everyplace Chip Management System, Version 4



WebSphere Everyplace Chip Management System reduces the cost of infrastructure overhead and operations for issuing and managing smart cards. The result is that it increases your return on investment (ROI), while improving control over transactions and addressing a full range of smart card customer needs. It also helps you withdraw smart cards and embedded chips from circulation.

Highlights

- ***Provides an open infrastructure based on GlobalPlatform standards***
- ***Manages multiple chip applications per card using technical constraints and business rules***
- ***Supports complex business relationships and production environments through customized workflow process and public key infrastructure (PKI)-based security***
- ***Reduces costs for deploying and managing smart chip cards***
- ***Ensures audits of the smart chip lifecycle through extensive, flexible reporting***

IBM WebSphere® Everyplace® Chip Management System

WebSphere Everyplace Chip Management System manages smart chips on smart cards or other embedded chip devices throughout their lifecycle—tracking card process, cardholder data and multiple applications. This comprehensive and cost-effective chip management system optimizes the operations of a smart card business by providing a fully integrated lifecycle management system.

Open and flexible to expand

Unlike earlier one-application cards, a smart card with an embedded smart chip can run multiple applications from a variety of businesses, requiring a support system that can manage the applications, the cardholders and the cards across multiple platforms. WebSphere Everyplace Chip Management System provides that support system, which facilitates stronger relationships with business partners.

WebSphere Everyplace Chip Management System is based on the open, standards-based infrastructure of GlobalPlatform, which establishes and maintains standards for an open smart card infrastructure. The openness of GlobalPlatform improves interoperability with other systems and partners, making it easy to add new services and drive revenues.

Customized workflow process

WebSphere Everyplace Chip Management System manages the issuance of embedded chip devices, such as smart cards, and their lifecycle events.

A card issuer (such as a bank, corporation, university, sporting arena, merchant or Service Provider), for instance, can maintain a catalog of card component and application definitions, easily imported from vendor supplied XML documents. Subsets of these definitions are combined to define a specific card product that can be offered to customers.

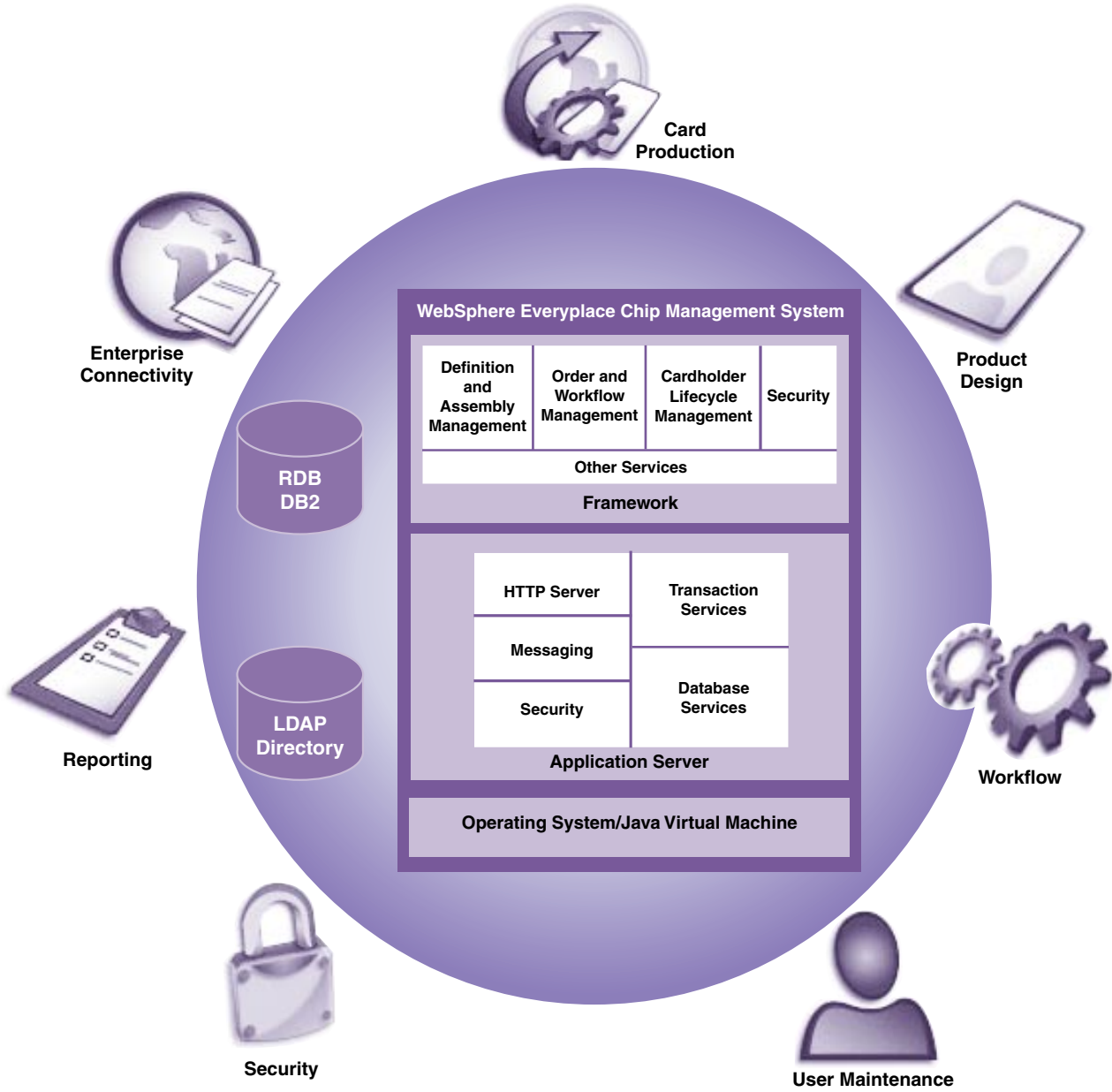
Next, processing configuration information is added to create an order definition. A workflow launches a number of activities to fulfill the order, and is forwarded to the platform Application Management System (AMS), which generates any

required keys to secure the individual applications. The AMS customizes each card with the cardholder's optional and mandatory applications, and adds personalized data before distribution to cardholders.

While designed to support complex business relationships and production environments, WebSphere Everyplace Chip Management System is architected to meet the needs of highly secure operations using PKI. It strengthens system security through better authentication, authorization, and encryption procedures.

Features	Benefits
Manages the lifecycle of smart cards and other embedded chip devices from their initial issuance through their withdrawal from circulation	Reduces smart card costs; improves control of transactions and decision rules; addresses the full range of smart card customer needs
Reduces cost of infrastructure overhead and operations	Increases return on investment (ROI)
Based on GlobalPlatform open standards	Improves interoperability with other systems and partners; drives additional services; supports multiple platforms; can be customized and integrated with existing legacy components
Designed to meet the needs of highly secure operations using PKI	Strengthens system security through better authentication, authorization and encryption procedures
Manages multiple smart card applications	Improves customer satisfaction and loyalty; facilitates business alliances and partnerships
Extensible integration architecture	Architected to easily integrate with multiple partners in the value chain
Supports leading smart card platform	Pre-integrated with Java Card operating platform (JCOP) (the IBM implementation of open smart card standards) and supports all Java Card implementations
Key component of the IBM smart card initiative	IBM can offer an end-to-end smart card solution, using both IBM products and services as well as partner offerings from leading third-party vendors

WebSphere Everyplace Chip Management System components and architecture



Requirements

Hardware requirements	<ul style="list-style-type: none">• IBM @server pSeries™• 450MHz or faster• 2Gb RAM minimum• 60Gb disk space (two disk drives minimum)
Operating systems supported	<ul style="list-style-type: none">• AIX® version 5.1
Pre-requisite applications	<ul style="list-style-type: none">• IBM Universal DB2® Enterprise Edition DB2 for AIX V7.2 fixpak 9• IBM JDK 1.3.1• IBM WebSphere Application Server — Enterprise Edition V4.1• WebSphere MQ V5.3.1• IBM Tivoli Access Manager V4.1• GUI Clients<ul style="list-style-type: none">– Netscape Communicator V7 on Microsoft® Windows® 2000 or Windows XP– Internet Explorer V6 on Windows 2000 or Windows XP

Audit the lifecycle

WebSphere Everyplace Chip Management System manages the recording of extensive audit data and customized activity sequences. It has an interface for secure communications with other enterprises, such as personalization bureaus and fulfillment houses. It maintains a journal of all significant lifecycle changes to the definitions and transactions, and can provide a set of reports on internal processing metrics. WebSphere Everyplace Chip Management System also maintains a problem log for each card and can generate a “hot list” of invalid cards.

IBM smart card initiative

WebSphere Everyplace Chip Management System is a key component of the IBM smart card initiative. Today IBM uses both IBM products and services as well as partner offerings from leading third-party vendors to provide global companies with an end-to-end smart card solution, from operating system to applications.

For more information

To learn more about the IBM WebSphere Everyplace Chip Management System, contact your local IBM representative or visit our Web site at ibm.com/pvc



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