Java Card Development Kit License Information User Manual





Java Card Development Kit License Information User Manual, Release 24.0.0.0.0

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Preface

This document describes the license information for Java Card Development Kit Simulator and Java Card Development Kit Tools.

Java Card technology combines a subset of the Java programming language with a runtime environment optimized for secure elements, such as smart cards and other tamper-resistant security chips. Java Card technology offers a secure and interoperable execution platform that can store and update multiple applications on a single resource-constrained device, while retaining the highest certification levels and compatibility with standards. Java Card developers can build, test, and deploy applications and services rapidly and securely. This accelerated process reduces development costs, increases product differentiation, and enhances value to customers.

The Java Card API is compatible with international standards for secure elements, such as ISO 7816 or mobile communication standards issued by ETSI/3GPP. Major industry-specific standards, such as EMVCo and Global Platform refer to this standard.

Related Documentation

References to various documents or products are made in this guide, so you might want to have them available:

- Application Programming Interface, Java Card Platform, Version 3.2, Classic Edition
- Runtime Environment Specification, Java Card Platform, Version 3.2, Classic Edition
- The Java Language Specification (https://docs.oracle.com/javase/specs/)
- ISO 7816 Specification Parts 1-6. (https://www.iso.org)

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Licensing Information

This document describes the licensing information for the Java Card Development Kit products.

The Java Card Development Kit is a suite of components and tools for designing implementations of Java Card technology and developing applets based on the Java Card API Specifications, providing a complete, stand-alone development environment in which applications written for the Java Card platform can be developed and tested.

2.a Products Description

There are two products part of the Java Card Development Kit:

Java Card Development Kit Tools

The Java Card Development Kit Tools are used to convert and verify Java Card applications. The Tools can be used with products based on version 3.2 of the Java Card specifications, and can also be used with products based on versions 3.0.4, 3.0.5 and 3.1 of the Java Card Platform specifications, Classic Edition.

Java Card Development Kit Simulator

The Java Card Development Kit Simulator offers a runtime reference to Java Card applications, which implements version 3.2 of the Java Card specifications.

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INRIA, France Telecom

ASM: a very small and fast Java bytecode manipulation framework

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MUSCLE SmartCard Development

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