

F-Secure Mobile Services Platform



Overview

F-Secure® Mobile Services™ platform is the core system hosting all the services required to offer security solutions in mobile operating environments. Specifically designed, mobile oriented architecture takes into consideration the special requirements of mobile networks and devices, such as high data traffic costs and limited processing power of the terminals.

Various built-in business models provide flexible and secure framework for offering mobile security services. The system is delivered as fully hosted and maintained solution with an easy partner account setup. Platform's unique billing capabilities through mobile terminated premium SMS provide a state-of-the-art backend solution for offering mobile services directly to consumers as well as SMBs and enterprises. Time to market is very short and inexpensive, as the off-the-self product can be configured for various business contexts.

Features

Platform's basic functionality include features for client update distribution and license management that are naturally one of the most important core services to support the operation of mobile security solutions. Over-the-air updating mechanism enable clients to remotely download latest updates to ensure security at all times. Patented critical push updating even further enhances the security of the service, as all mobile devices can be immediately updated by SMS in urgent situations. The automated licensing and authentication model ensures that only clients with valid subscription are eligible to use the service.

Mobile security service subscriptions and charging are handled by the built-in subscription management framework. It enables the deployment of different licensing models, and charging end-users directly. Credit card payment is offered as a default option, but platform enables also more sophisticated payment models using mobile terminated premium SMS. Platform's active subscriber reports may be used for billing corporate customers for the licenses in use. F-Secure Mobile Services™ backend is able to execute automatic monthly charging of service subscribers, which dramatically improves quality and effectiveness of the offered solution.

The system's administrative services can be accessed either by using an easy web-based portal, or integrating a 3rd party system to F-Secure Mobile Services™ backend through mobile service management interface (mSMI). The interface exposes simple functions of the core system for automating the service subscription management.

Business benefits

Flexible off-the-shelf mobile security suite

Fully hosted and maintained service framework – no expensive setup fees

Short time to market through pre-defined and configurable business models

Support for mobile terminated premium SMS for direct end-user billing

Possibility to integrate 3rd party billing systems

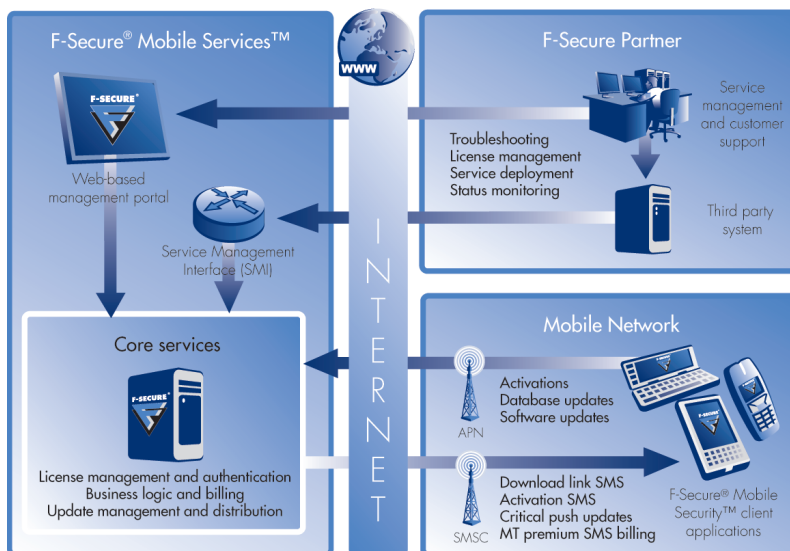
Service management interface for full automation of the security service offering

Easy to use web portal for customer support and manual service monitoring

Technology

The core of the system is built on top of Oracle's application and database servers that provide a solid and industrial standard operating environment. The deployment of standard service components guarantees the compatibility with existing systems, and enables easy third party integrations using latest technologies. The framework forms a very flexible and stable environment for offering customized security services.

Scalability and fault tolerance are the key elements in a real-time and business critical system. Service is hosted in a dedicated hosting center that is designed to overcome possible failures in the network and/or hardware. The performance is ensured by several processing clusters that can be extended when amount of data traffic increases. Platform is capable of serving millions of subscribers, and the design allows scaling up to virtually any number of users.



Key features

Built-in digital rights management system for handling security service subscriptions

Automatic over-the-air updating of mobile security clients

Specifically designed delta updating mechanism for mobile environments

Patented critical push updates using mobile terminated SMS

Support for several mobile operator SMSC protocols (SMPP, CIMD2, EMI/UCP).

OTA distribution of license keys

Web services based 3rd party interface

Security

Encrypted communication protocols to external and internal systems

Digitally signed content publishing mechanism

Advanced audit trails and logging

IP address and/or network based access restrictions

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