



Ecrio FastTrack™ Client Framework



The Ecrio FastTrack Client Framework transforms everyday applications into communication-rich applications. The framework takes the complexity and time out of adding rich communication functions to applications from social communications to multiplayer games to enterprise solutions. Applications running in common application environments, developed using standard tools on a wide range of device types and platforms can be easily upgraded to communication-rich applications using the framework's rich set of functions and its simple access method.

Standard Core Communication Functions Supported

Contacts & Situation

- Contact Management
- Presence and Capabilities Exchange
- Geo-Location

Messaging

- SMS Support
- MMS Support
- IM SIMPLE

Calling

- Standard (Circuit Switch) Support
- Voice over IP (VoIP)

Sharing

- Video
- Image
- File

Options for SMS over IP, Push-to-Talk and IMPS are also available.

The Ecrio FastTrack Client

Framework solves the challenges of enabling and sharing high-value and complex communication capabilities among multiple applications and devices, reducing the incremental effort, cost, and risk of deploying and using new service capabilities. It accelerates application development resulting in more uses and optimized experiences expanding the individual value and market reach and achieving a higher value for the service capability investment.

Communications Enablement

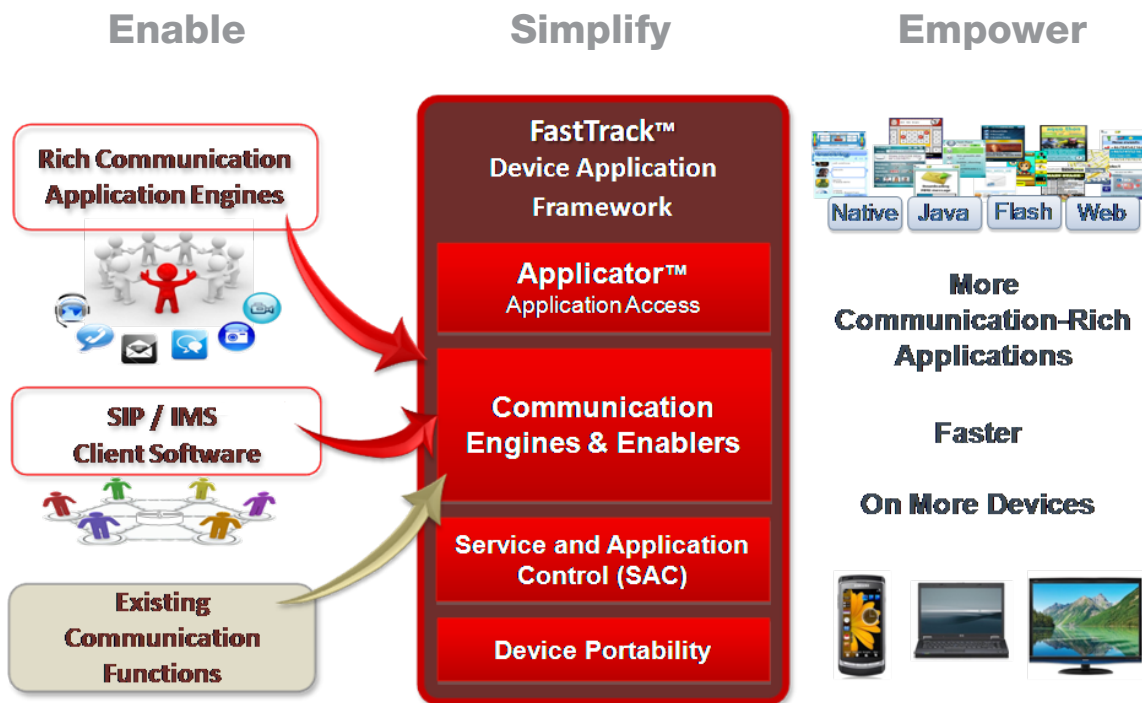
At the core of the FastTrack Framework is a set of high-value communication capabilities delivering both existing messaging and calling functions and the latest in rich IP communications. These core communication enablers and application engines are compliant with industry standards, tested and proven in demanding network and operating environments. These core functions provide essential communications service capabilities such as:

- Situation Awareness: Real-time presence, capabilities, and location for contacts
- Messaging: Both standard and advanced IP messaging including conversational messaging

- Voice Calling: Standard voice and Voice over IP calling
- Sharing: Real-time, person-to-person video, image, and file sharing

Application Access

The framework includes Ecrio's exclusive Applicator™ application access technology that delivers the high-value capabilities to applications developed in any application language, running in common application environments, using standard tools and methods. The Applicator accepts simplified commands directly from applications, applies the appropriate policy, and performs the requested functions on behalf of the application. This means that the application can use these high-value functions regardless of the limitations of the application environment or language. The result is that applications can use the rich communication capabilities without dealing with the complex methods, standards, and system interoperability required to make the technologies work end-to-end. This abstraction of the applications from the underlying technology also means that technology additions and upgrades can be performed independent of the applications that use them.



Service and Application Management

The framework supports multiple applications, in multiple application runtime environments sharing a common set of functions and real-time services over different connections. This capability supports use scenarios that involve multiple applications and situations performed as the user needs them—which is much more like how people operate in real life. This means that the providers can offer a comprehensive set of applications and services that support the needs and use style of a wide range of users and service delivery situations with simplified applications.

Device Platform Portability

The Framework can be installed and run on common mobile and PC operating environments and support the application environments applicable for those platforms. The framework can also be easily adapted to a wide range of device types and specialized platforms by customizing and optimizing a set of portability modules without requiring changes to the rest of the framework.

Support for Complete Solutions and Industry Initiatives

The core communications functions of the framework are compliant with 3GPP, OMA, IETF, GSMA, CTIA and other relevant industry standards. The framework also enables applications that support major industry initiatives such as GSMA Rich Communication Suite (RCS), One Voice, and CTIA Enhanced Messaging.

Software Development Kit Products

The Ecrio FastTrack Client Framework is provided in three software kit forms. The Device-Platform SDK is used by operators and/or device suppliers to optimize and install the framework on devices. The Application Development SDK is used to develop applications that use the framework. The Interoperability Kit is used to verify end-to-end operation with various network systems and service application infrastructure systems.



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