



Teleca PPG

Push technology offers developers and carriers enormous opportunities to improve existing applications and to introduce interactive mobile systems such as multimedia messaging.

Teleca PPG, component of Teleca MMI Suite, offers the performance of a leading-edge technology enabling the use of low-cost systems, increasing success and throughput.

How can you increase your business today?

With Teleca, the key partner from operator network to end user services.

Background

Multimedia Messaging Service (MMS) is a radically new messaging technology that will take non-voice mobile communications beyond today's largely text based services. MMS gives users the freedom to enhance single text messages with pictures, sounds and animations increasing the potential of person-to-person messaging and in commercial and marketing applications.

The use of MMS is expected to grow rapidly as potential end-users are exposed daily to advertising on television and in newspapers. So the highest priority for telecom operators is to provide high level performance and reliability.

Teleca PPG is an implementation of Push Technology that is the success key of MMS.

What is Push?

A push is a message sent to a mobile subscriber without an explicit request from the subscriber at the time the message is delivered. Some examples of push applications that exist today include alert messages for news, stock quotes and daily horoscopes. Users subscribe to these services and receive alerts according to their preferences.

The tremendous growth of data-enabled handsets opens new opportunities for push-enabled services with potential that is only beginning to be realised. Data-enabled mobile phones provide a new medium that allows people not only to make or receive voice calls, but also communicate in new ways and to access new and old applications and information anywhere and anytime. The success of Short Message Service (SMS) for person to person communication is a prime example of a new way to communicate using push. Yet the potential is much greater, and technologies are evolving to build upon the early success of SMS.

Teleca is an international telecom and IT services company focused on R&D that develops and integrates advanced software and information technology solutions. With in-depth expertise in the latest technology and profound industrial knowledge, Teleca helps technology- and software-intensive customers worldwide to strengthen their market positions and shorten their times to market. The company has more than 3,000 employees and operations in 15 countries in Asia, Europe and North America. Teleca is quoted on the Attract40 list of the Stockholm Stock Exchange.



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How it works?

The WAP push system transports data to a WAP-enabled handset without the intervention of a user. In normal Internet communications, a client requests data or services from a web application and the response is delivered to the requesting client through a conventional WAP pull gateway. Using push technology, Web applications can transfer data to a handset without an explicit request at the time of delivery. A WAP push operation occurs when a Push Initiator in the Internet domain transfer content to a client in the WAP domain through the Push Proxy Gateway.

Push Access Protocol (PAP), defined by the WAP Forum, specified how push applications can send messages to Wireless Application Protocol (WAP) enabled mobile devices without an explicit request from the user at the time the message is sent. Combined with other applications, such as location-based services, push becomes a powerful way of providing the user with valuable information that goes beyond simple text to include images, sound, WML and MIME content. Once the information is received the PPG processes the PAP request and sends the push message through the mobile network to the handset using WAP.

Why choose Teleca PPG?

- Scalable in capacity and capability
- High availability and high performance
- 3GPP and WAP Forum MMS compliant
- Fully interoperable with other MMSC platforms

Supported Platforms

The current version of Teleca PPG is based on Sun Microsystems Java 2.

Teleca PPG runs on:

- Linux
- Solaris