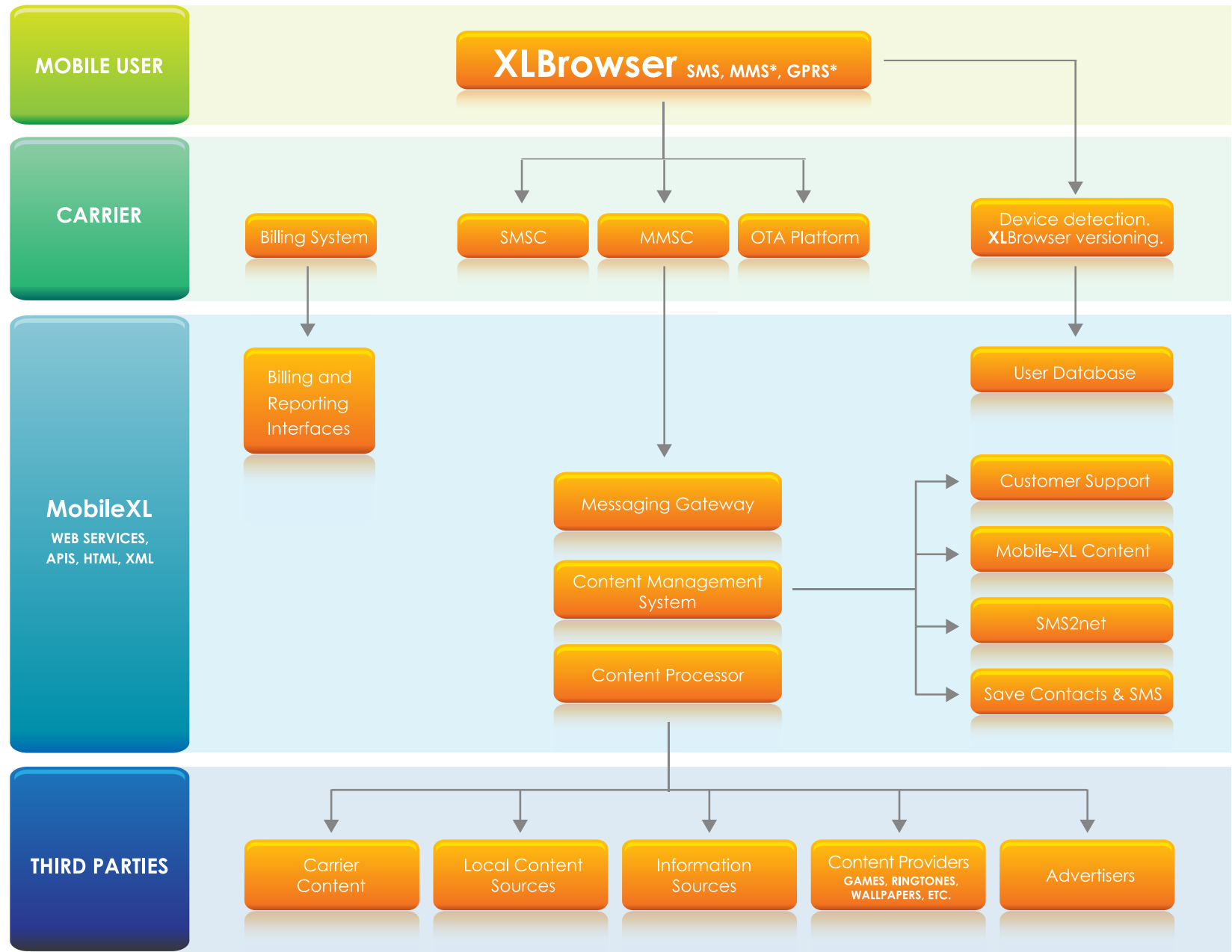


XLBrowser™ Architectural Diagram



XLBrowser™ Technical Specifications

The XL Browser is a carrier-grade platform ready for deployment to over 100 handset models. It was developed as a unique way to use SMS to create a dynamic, interactive mobile application that is available for just about any handset. The XL saBrowser platform focuses on delivering a mobile end-user experience superior to alternative technologies available today particularly in emerging markets.

The uniqueness of the XL Browser comes from both a user friendly smart mobile software client with a built-in algorithm and a back end architecture that includes a robust server-side platform consisting of a high-performance Content Management System and an expandable suite of innovative services.

MOBILE CLIENT

The XL Browser application is customized for almost any handset screen size and memory capability. A basic 50 kb client can use most of the available services, although for newer handsets, Games, Ringtones, and other unique features make the XL Browser a powerhouse.

- J2ME Client
- Can be pre-installed or downloaded via OTA, Bluetooth, or Infrared.
Easy to manually install via marketing teams in-store.
- Uses J2ME APIs: JSR 120, JSR 118 (MIDI 2.0), JSR 75 (PIM)
- Multiple language support
- Able to update dynamically or add new service by simple SMS and invisible to user

The XL Browser Mobile Client breaks down the traditional barriers to subscriber adoption for new services by simplifying and enhancing the user experience. It provides simple, intuitive navigation for content services and some unique tools for communications and back-up functions. The client can be customized to reflect operator or services branding and can be refreshed or updated OTA.

Compatible handsets include: Nokia, Motorola, Sony Ericsson, Samsung, and others.

SERVER SIDE PLATFORM

The XL Browser Server-Side platform is the backbone of any carrier looking to quickly grow data revenues exponentially. It comes loaded with existing content services and revenue generating applications. In addition, it manages the provisioning and updating processes across different subscriber segments as well as the integration and delivery of specific content streams including those supplied by content partners.

The XL Browser mobile client interconnects with a robust and high-performance SMS Gateway and Content Management System.

- SMS Gateway to connect to operator SMSC on SMPP, HTTP, Java API, or any other protocol
- CMS
 - Redundancy and load balancing
 - High-performance Service Router to access content
- Control panel for dynamic content control and uploads by carrier and third party content provider
- Industry-standard reporting and logging tools
- Multiple databases for content repository, uploads and downloads
- Online access to some unique services

CROSS PLATFORM SUPPORT

Java
Symbian

MULTIPLE DEVICE SUPPORT

Motorola
Nokia
Sony Ericsson
Samsung
Alcatel
Siemens
Sagem
Panasonic
LG

PROVISIONING

Device Pre-installation
OTA Delivery
Bluetooth OTA
Infrared OTA