WAP

Wireless Application Protocol (WAP) is an open standard to access Internet services from mobile devices.

WAP was developed as an industry-wide specification for developing applications that operate over wireless communication networks. WAP defines a set of protocols in transport, session, and application layers.

Version 1 of the standard apears in 1999 and supports:

- WML Language for content presentation
- WMLScript for content scripting in content
- WBMP for graphics
- Stack of Protocols different to TCP/IP

All Nokia devices from Series 40, S60 and Series 80 supports WAP 1.0 specification.

Beginning in 2004, WAP 2.0 specification add supports for newer devices and content with:

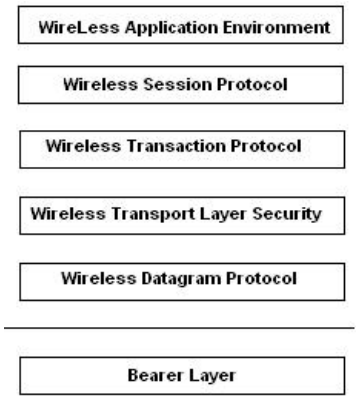
- XHTML MP support for content presentation
- CSS MP in some devices for styles
- Color images in many formats
- TCP/IP Protocols used, as TCP and HTTP.

WAP 2.0 is included from Series 40 2nd. Edition and S60 2nd. Edition.

WAP Push

This technology allows a user to receive one or more SMS to go to a WAP site or download any content by WAP, as a ringtone, wallpaper or a Java ME application. It is an XML sended as a binary SMS with the URL to browse. The device opens the browser when the SMS is received.

WAP Architecture



Note : The existence of suitable bearer, such as **GSM, SMS, or GPRS**, and appropriate APIs are assumed,as bearer layer is not specified as part of the standard.

Other Related Links

The Wireless Application Protocol related specifications

WAP Stack

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