

Wireless Applications

Solutions from Everest Consultants / ESN Technologies

Introduction

The **Wireless Application Protocol (WAP)** is a standard technology that enables Mobile Phones and Devices to connect to the Internet and view text based contents and services. WAP is an application environment and a set of communication protocols for wireless devices designed to enable manufacturer, vendor, and technology independent access to the Internet and advanced telephony services. WAP is a set of open, global protocols for developing applications and services that use wireless networks. The WAP protocols are mainly based on already existing Internet protocols, but are optimized for mobile users with wireless devices.

General Packet Radio Services (GPRS) is a packet based data service that sits on top of the existing GSM network. Networks operators therefore need to add some new infrastructure to facilitate this service. The end users also require GPRS Handsets.

This efficient use of the network resources facilitates a higher bandwidth - in theory 171.2 Kb/s.. The other main advantage of GPRS is not dialing is required - the phone is "always on".

WAP vs GPRS

GPRS is not a competitor to WAP. GPRS can be used as a bearer for WAP. GPRS alone does not facilitate the access to the Internet. It is best compared to a means of delivery in desktop terms - ADSL. WAP Gateway's and Browsers are still required to deliver the content

About Us

ESN Technologies (ESN) is a leading provider of high quality solutions in the realm of IT consulting and turnkey software development. ESN is the Offshore Development Center of Everest Consultants Inc. (ECI), a reputed software-consulting firm located in Beaverton Oregon. ESN provides solutions using the latest technologies and develops high-end mission-critical e-Business applications that are guaranteed to perform.

We at **ECI & ESN** have developed deep expertise in select vertical markets. Within these markets, we focus on the major sectors that offer significant growth potential and that stand to benefit from strategic applications of information technology. In this way, we are able to understand our client's business environments, and to develop reusable tools and methodologies that support identified needs within these industries and speed the development of future solutions. In addition, we are able to help clients predict and adapt to changes within their industry -- however subtle -- preparing them to turn those shifts into new business opportunities.

Our Strengths

ESN, one of the leading software development and consultancy firm provides excellent service and support in harnessing information technology for business. Our goal is to create a long term, successful partnership with the clients and help them excel in their



core business.

ESN with its wide exposure over the m-commerce can help you think differently about the business potential of information technology, with our Professional IT Strategy Practice. Our expertise enable you build insights about the enabling effects of IT into your business vision at the "front end" of strategy development. We then ensure development of a flexible IT strategy and a well managed IT environment, aligned with key business objectives and strategies. We also define the appropriate IT architectures, develop realistic migration road maps and design change management programs.

We help our Clients to successfully undertake and complete M-Commerce initiatives. We provide our Clients with services including: Technical Audit, M-commerce server integration, Security Reviews, Strategic Consulting, System Integration and Program Management to maximize their success in WAP enabled applications.

Technologies and Tools

Some technologies that are a part of our core competencies include:

- DHTML, XML, ASP, Java (Applets, Servlets, Beans & EJB), for server side programming and WML for the front end interfaces
- Databases like MS SQL Server, Oracle, PostGres, mSQL & MySQL

Case Studies

Mobile Messaging Services – This is a web-based service that enables corporate establishments to notify their customers and employees by sending them automated SMS messages to their mobile phones, as and when required. The above was implemented as a **.NET** solution because it provides the necessary APIs/components and serves as the protocol for sending SMS text messages. With the help of Visual Studio **.NET**, it became much easier to develop this solution.

Conclusion

We at ECI & ESN fully understand that the Importance of Internet and power of IT in meeting the strategic objectives of the corporate. We are developing expertise in the Wireless arena by extensively leveraging on the latest technologies to be of service to our clients. Please let us if you have any questions. We look forward to be of service to you.

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