wabot
LABS

Innovating the Future

MobiEx Server

Gateway to the Wireless World

The Wireless Revolution

The end of the 20th century marks the beginning of a wireless revolution so powerful that not one but several new markets are being defined before our eyes. Corporations, driven by fear of "perfect competition" where neither buyers nor sellers can affect prices, are looking to wireless technology as a strategic weapon that gives them competitive advantage.

The rise of remote access is helping drive the adoption of wireless technology. In today's wireless data environment, the method in which mobile executives access the Internet is evolving. Executives can now go online from pagers, PDAs, and laptop PCs wirelessly. They can extend the reach of their data stores beyond their wired networks.

The top management executives are at the cutting edge closing business and deals.

Wabot Labs innovates MobiEx Server for these mobile executives who are always on move.

MobiEx Server consists of:

1. WAP Gateway
2. Wireless Email
3. Wireless Fax
4. Dial-in Server
5. Wireless VPN
6. File Sharing
7. Intranet Synching

Hardware:

• PC 1 GHz Intel® Pentium® III processor, 128 MB SDRAM, 10 GB HDD, 1.44 FDD, 52x CD-ROM, PCI NE 2000 compatible Ethernet Card, 56.6 Kbps V.90 USB modem, 14" color monitor, 104 Standard + 17 Special Keys Keyboard, 2 button Scroll Mouse
• Mobile to Laptop connector/cable

WIRELESS E-MAIL & FAX
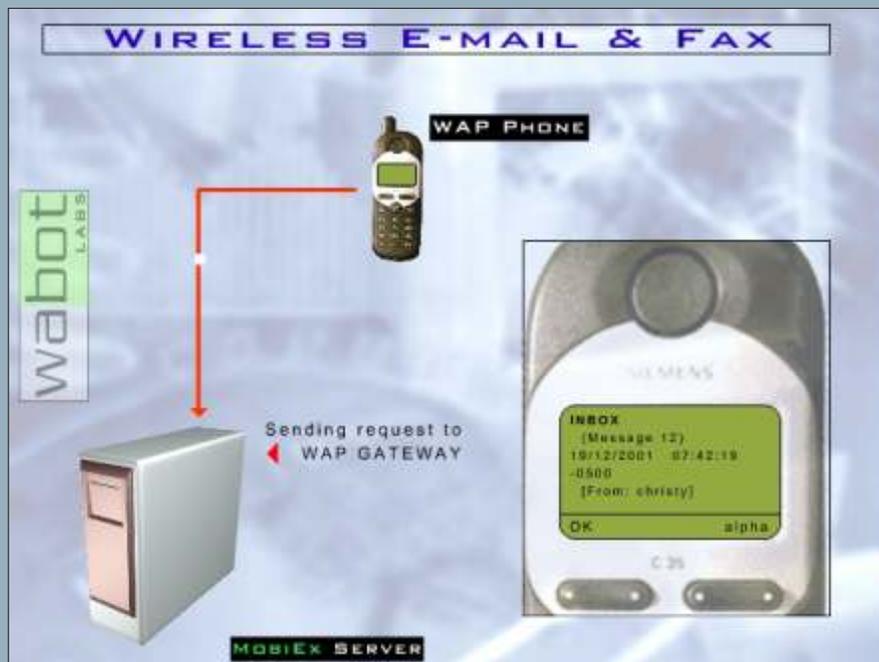
WABOT WAP Gateway

Wabot WAP Gateway, which translates requests from a WAP-enabled device to the Internet, retrieves necessary information from the Web and sends it back to the WAP-enabled device. Information sent back is compacted by the gateway to save bandwidth, enabling faster mobile browsing. It is compatible with all WAP-enabled devices such as mobile phones, hand-held PC's, two-way pagers, smart phones, and PDA's. Our inbuilt FD-RAS [Fast Digital Remote Access Server] reduces the time taken for the connection from 40 sec. to 20 sec.

The Wireless Application Protocol is not just a means to connect to the Internet. You can have your corporate Intranet WAP-enabled, and thereby access information from the Intranet. This basically, requires setting up a WAP Gateway at the Intranet. A corporate level WAP Gateway enables you to have access to information on the move. The possibilities and applications using this are limitless. For instance, you can check your e-mail, schedule appointments and meetings, and make travel plans right from your handset. With our experience in setting up Asia's first WAP Gateway, are fully equipped to help you in this venture.

Wireless E-mail and Fax Solutions

You can check and download e-mail from your POP3/IMAP-compliant corporate e-mail or e-mail account from your Internet Service Provider. On accessing this option, you will be prompted to provide the information about your e-mail service provider. This will include, the username for that account, the password, and the mail server address for that account. The mail will be retrieved from the server, and will appear on your mobile screen. Depending on the screen size of your mobile, you may be able to view up to four e-mails per screen. You can now select the ones you want to read. By default, the e-mails are not downloaded to your mobile, but still remain in your mail server. That remains, you can still download the e-mails to your PC. If there are any attachments (doc, html, pdf, txt) you can FAX them to any fax machine.
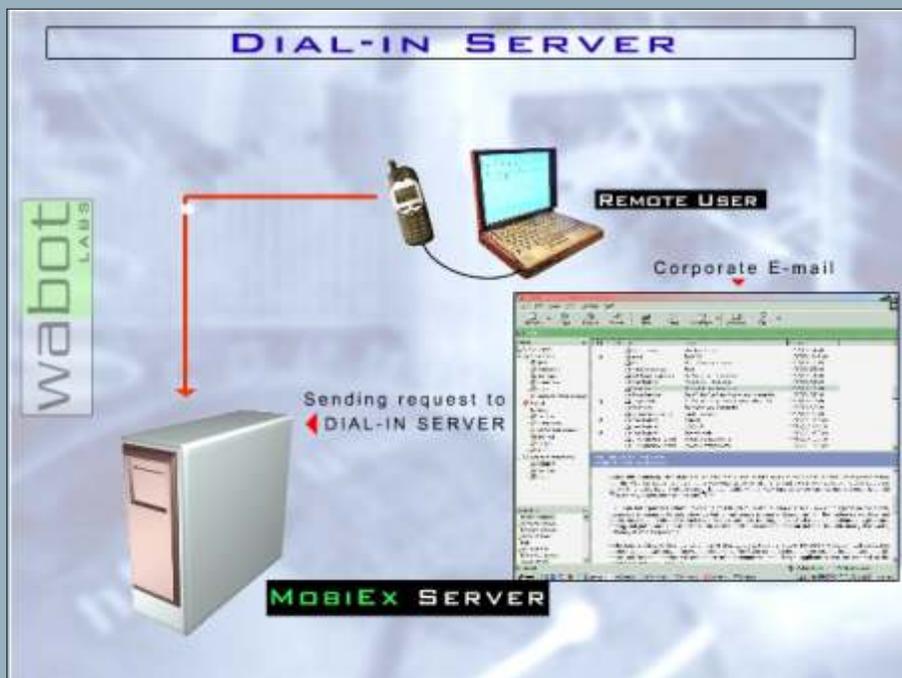
Dial-in Server

Features

- Through the Dial-in Server after proper authentication, any user can become a part of the LAN.

- Only authorized users are allowed to connect via the dial in feature.

- Once into the LAN set-up, he can access all other facilities of the LAN after proper authentication.

- The user can access his mail after proper authentication. This facilitates him especially when he is on the move or sitting at home.

- The user can change his profile remotely.

- Based on the Firewall rules defined, the user would be able to access his Machine Resources; remotely, Thus the user can work sitting from home, enabling a Virtual Office scenario.

- Dial-in also facilitates configuring of Server remotely by authorized personnel.

- Dial-in can also be used to connect two or more different LANs to make one WAN whence each user of each LAN can utilize the facilities of the other LANs after proper authentication.

- Dial-in supports PSTN, ISDN, Leased Line or VSAT connectivity and can switch from one mode of connectivity to the other with ease.
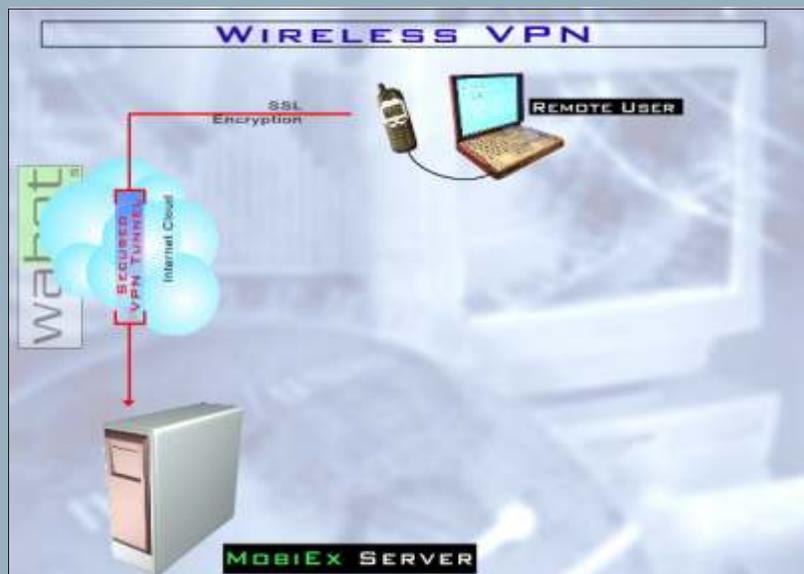
Wireless VPN

1) Provides networking to MobiEx Server without involving any STD/ISD phone bills.
2) Communication occurs via a tunnel provided through the Internet. The tunnel is private and secure from the Internet as all the transactions are in an encrypted form.

Scenario:
Windows machine connecting to remote MobiEx Server:

Applicable in case when mobile executives connect remotely, away from local area.

➢ Using the dialup adapter you can connect to the internet in the normal way.
➢ Then, using the VPN adapter dial to the IP address of remote MobiEx Server. Connecting the windows machine like this it becomes a part of the LAN and user can access all the services like a database server etc.… (provided the application being used is based on TCP/IP).

This sophisticated solution addresses the concerns of internal data traversing the public Internet.

With technologies currently available, businesses can now enable their mobile employees and partners to leverage wireless devices as Internet/Intranet access tools without compromising security.

The benefit of this is the flexibility and freedom expected from wireless data. In airports, offices, customer locations, and other places of business around the country, the mobile executive can use his or her wireless device of choice to access ordering systems, inventory, internal documents, and other enterprise applications.
The continuum of VPN solutions available from Wabot present an opportunity to realize these benefits and makes a truly mobile executive a reality.
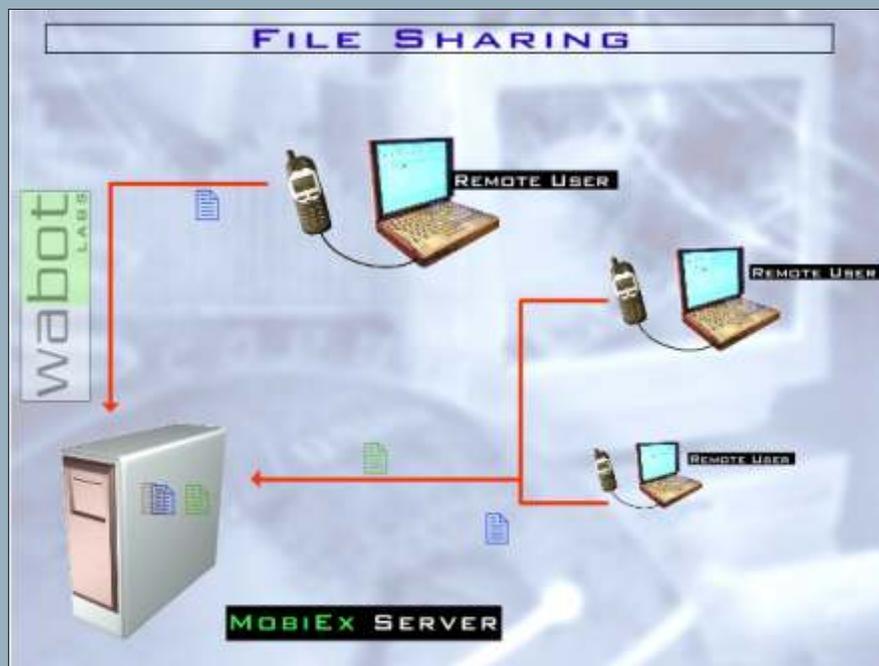
File Sharing

MobiEx Server allows users to share files across the network seamlessly and effortlessly.

File sharing feature allows you to drag and drop files back and forth between your desktop and your Wabot MobiEx Server, as well as manage your file systemall with the click of a mouse!

Features

- Access anytime from any where, making it ideal for remote or mobile executives
- HTTP upload makes it trivial to publish files
- Limit access to specific executives
- Avoid overloaded mailboxes by emailing URLs to shared files instead of huge attachments

Benefit : Reduce costs by accumulating relevant community information in one place

How it works!

It makes appropriate group in network neighborhood of WIN95, WIN98, WINNT, WINME, WIN2000 machines by giving appropriate group name for that of MobiEx server. MobiEx server itself takes care of forming the required group in network neighborhood user does not need to do any settings in his windows machines.
In the MobiEx server, which is visible in the network neighborhood in the MobiEx group generally there, are two partitions, one Partition is common and visible to each and every user. Typically people use this partition to store such files, which anyone connected to the LAN can view/download in its individual machine. The second partition we create is identified by users individual username on the MobiEx server. For the access of this folder username of user must be same on windows machine as that of on MobiEx server. When the user logged in on windows m/c by his username and wants to access the same folder he has to supply his MobiEx password at the password prompt.
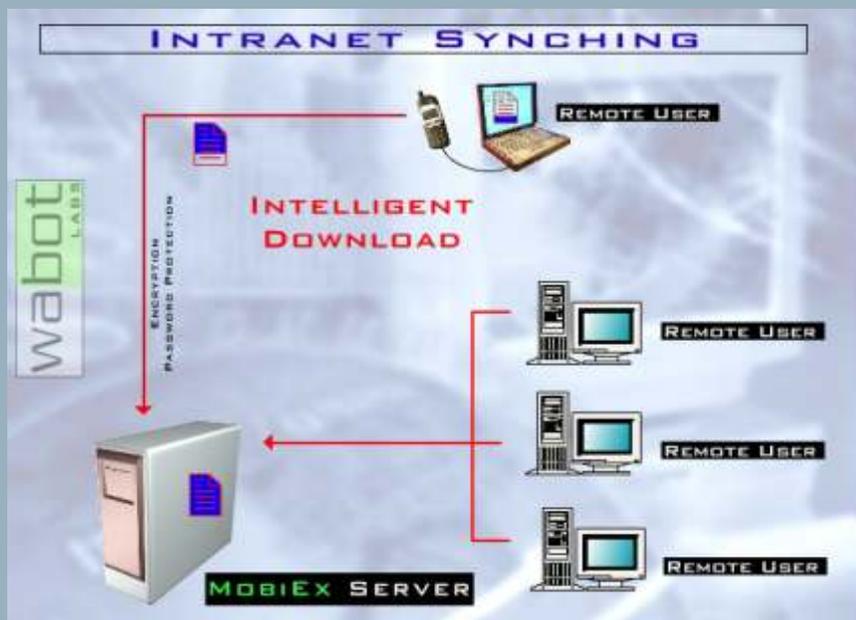
Intranet Synching

The mobile executives, armed with laptops, hand-held devices and mobile phones, need to be able to access the latest company information. Current approaches include emailing file attachments, downloading files, or dialing up to browse the corporate intranet. However, these approaches are costly, time consuming, and rely on each management executive knowing when there is newer information to download.

Wabot's solution provides up-to-date and consistent information to you, and gives you immediate access to offline, secure information wherever you are. Wabot Mobile Intranet will keep top management in sync with the corporate intranet.

Wabot Mobile Intranet gives mobile executives access to up-to-date intranet content even when disconnected. With quick and automatic updates optimized for low-bandwidth dial-up and wireless connections, they need never again be out of touch. Wabot Mobile Intranet ensures that the corporate Intranet is always accessible and provides fast, secure and cost effective updates from any location. Now mobile executives can have seamless, fast and flexible access to up-to-date, business critical information anytime, anywhere. Wabot Mobile Intranet enables mobile professionals to access Intranet content from a laptop even when disconnected. Wabot Mobile Intranet ensures that the Intranet goes with you wherever you go.

Availability:
Immediate access to the latest information without a network connection.

Manageability:
Centralized control over information published on the Intranet, and how it is stored on users laptops.

Speed:
Changes to information are downloaded faster than any other method, saving you time and money. Wabot's embedded Delta Technology produces highly compressed amendment files that typically download in seconds. Alternatives can take several hours e.g. large Email attachments or FTP downloads.

Productivity:
Wabot Mobile Intranet keeps laptops up-to-date - automatically! Users no longer need to download and save important information. All mobile users will have the right information at the right time, presented in a consistent way.

Security:
Mobile Intranet content is encrypted providing security over the network and on the laptop. Sensitive information is protected, and can only be accessed with the necessary passwords. There are extra security controls that prevent the same password being re-used indefinitely and also prevent the content being copied to an unauthorized second machine and updated on it. There is flexibility to reveal information only to a selected audience.

Compatibility:
Wabot Mobile Intranet works with standard internet protocols and all file types (e.g. Word documents, PowerPoint presentations, Excel spreadsheets, Databases, Multimedia files, Web documents, CAD files etc.). No application changes or programming required. Intranet content can be hosted on any web server (including Microsoft, Netscape, Lotus Notes and Lotus Domino web servers, and other web servers), or on a file-system viewable from a 32-bit Windows operating system.

Wabot Intranet Synching Features

Wabot Mobile Intranet has a number of features that simplify the lives of mobile executives:

Encryption
Intranet content can be encrypted, providing security of information on the laptop. Sensitive information is protected and can only be accessed with the appropriate password.

Auto-update
The Wabot Client detects when the computer has a network connection, whether that be a dial-up connection for email synchronization or a LAN connection in an office. The Wabot Client automatically checks and downloads any new amendment files, and applies the changes stored in the amendment file once the download is complete. Users no longer need to remember which files to download, or where to save them.

Silent operation
Updates are downloaded transparently in background, without interrupting the user. Wabot Client runs transparently on the laptop, the user is not even aware of this process. This ensures that updating the Intranet on the laptop is simple and non-intrusive.

High-speed update
Using Wabot's breakthrough Delta Technology, changed information is transferred faster than other technologies. A typical download of changed information takes seconds!

Intelligent download
The Wabot Client makes intelligent use of dialup and LAN connections, to ensure optimum use of bandwidth. Ensures that updates are delivered even if the connection is interrupted. Amendment files are downloaded in the background when connected, and downloading continues from where it left off should the previous connection have been dropped or disconnected. Multiple updates are always loaded and applied in the correct order.

Mission

Value Creation for Clients
& Continuous Innovation

About wabot LABS

Established in April 2000, Wabot Labs is headquartered in Mumbai, India. We have offices in Pune and Delhi with additional offices planned for the U.S. and Singapore to meet a growing demand for Wabot LabsÕservices. The company is a Software Infrastructure Service Provider (SISP) offering combined services of data center, MSP (Managed Service Provider) and few more value added services. Wabot Labs customers can be benefited greatly by outsourcing their Internet Infrastructure and Operations to Wabot Labs. It freed them to focus on their core business and provides them with the flexibility to exploit emerging technologies and new global business opportunities.

Contact Information

Wabot Labs
5, Omega, HiranandaniGardens,
Powai, Mumbai MH 400076 India
Tel: +91-22-5761436
Fax: +91-22-5704031
Email: deep@wabot.com