Wireless Messaging

Nothing to configure, easy to access

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Wireless Access Summary

When your email server is MDaemon Pro, your email users can benefit from wireless access through their PocketPC's or Internet-enabled mobile phones.

With wireless access, all of your MDaemon account holders can both send and receive emails any time from any location with a mobile connection.

Through it's wireless capabilities, MDaemon is making mobile email accessible to small and mid-sized enterprises, at no additional cost.

MDaemon wireless: Nothing to configure, easy to access

Mobile messaging is one of the most beneficial applications of personal wireless technology. Easily available products and services allow people to send and receive email from any location with a wireless connection. Innovative designs for small displays and keypads are making mobile email much easier to use. Mobile messaging is giving busy people freedom of movement while they continue to conduct their business and personal lives.

Personal Wireless Concepts

Personal wireless technology uses radio frequency signals to send and receive email and—increasingly—other types of data. People have been using wireless in various forms for more than a century. If you have ever listened to radio or watched television, then you have used wireless, but only as a receiver. With the exception of old-style pagers, personal wireless is almost always for two-way communications. Today, mobile telephones are the most common type of two-way personal wireless devices. Personal information managers (PIM's) and hand-sized computers with wireless capabilities are also becoming more common.

Figure 1 shows an overview of wireless and wired connectivity for accessing the Internet.

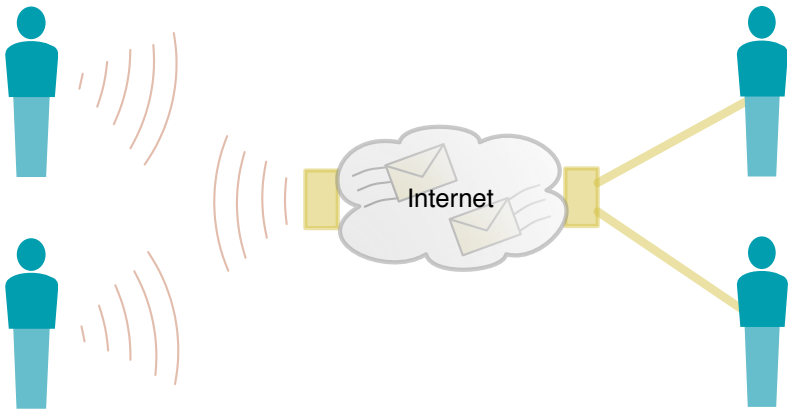

Figure 1: Wireless Concepts

The people on the left are wirelessly connected to an email server. Those on the right have wired connections. Both are accessing their messages over the Internet. In theory, they could be attached to the same email server.

While the data transfer rates of wireless devices have been relatively slow when compared to most wired connections, this is somewhat changing with the deployment of high speed wireless networks for mobile telephones.

How Wireless Works

Figure 2 on page 4 shows a block diagram with details of how wireless connectivity works. In practice, the primary differences between a regular email client and a wireless client are the screen size and the amount of data available for display.

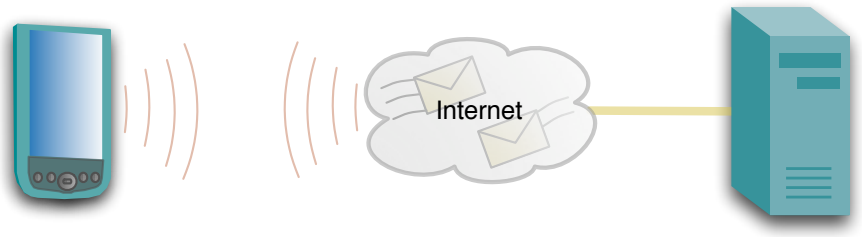

Figure 2: Wireless Block Diagram

In the figure, the wireless device on the left connects to the Internet and requests email services from the email server running on the computer on the right.

The server identifies the type of wireless device (Pocket PC, WAP 2-enabled cellular phone, etc.) requesting services and then formats the user interface to correctly display information on its screen.

Mobile Messaging Content

At the top of its list of benefits, mobile messaging addresses issues related to the times and locations of busy people. When equipped with wireless, users can send and receive important information at any time and from any location with a wireless connection, without being in the office or at home.

However, personal wireless equipment is not intended to replace the power, speed and usability of a desktop workstation or notebook computer. Typically, computers have much larger and higher quality displays, faster and easier to use keyboards and much higher speed connections to the Internet. While this may change in the future—maybe even in the near future—computers are almost always the primary means of communication, supplemented by personal wireless technology.

Today, even the largest personal wireless devices have small displays and keypads. This means their primary email application is for sending and reading short messages containing text only. Some wireless devices use scrolling windows for reading and composing messages. Others use a horizontally scrolling marque-style display for reading incoming and creating outgoing content.

MDaemon Wireless Email

Wireless messaging continues MDaemon's practice of offering the most useful emerging technologies to small and mid-size enterprises. MDaemon has an earned reputation for scaling large-business tools, making them economical and easy to use, with or without professional IT staff. For many email features and functions, MDaemon literally leads the industry, setting the overall standards.

As with other MDaemon tools, wireless is designed with professional features and beginner ease of use. MDaemon wireless requires no configuration. Wireless services for MDaemon make mobile messaging affordable for economy-mind enterprises of all sizes.

Using MDaemon Wireless

MDaemon Wireless services are available through the WorldClient web mail server of MDaemon PRO. When WorldClient is running, wireless email is available. No configuration is required.

MDaemon currently supports three wireless protocols:

WAP 1 for the first Internet-enabled mobile phones.

WPA 2 for current and emerging mobile phones with Internet capabilities.

Pocket PC for the mobile-device software developed by Microsoft.

MDaemon wireless has a user interface "theme" for each type of device. When accessed through a wireless connection, MDaemon detects the device type—WAP 1, WAP 2 or Pocket PC—and applies the appropriate theme to correctly display the content.

Because the implementation of WAP sometimes varies among wireless manufacturers, users can also select a theme by specifying it their email access bookmark.

For example, adding `?Theme=.WML` selects the WAP 1 theme, `?Theme=.XHTML` selects WAP 2 and `?Theme=.PocketPC` selects the Pocket PC theme.

If your wireless device does not display a login screen when accessing the email URL, you should create a bookmark with the correct theme specified. Here is an example bookmark for the WAP 2 theme: `http://wc.altn.com/?Theme=.XHTML`.

Mobile Messaging Security

MDaemon counters multiple security threats as part of its everyday operations. This includes protecting wireless messaging. MDaemon can protect wireless email from break-ins, tampering, spam and viruses. MDaemon is literally the industry-leader is server-based security features for email. A sampling of MDaemon's security tools include:

Content Filtering: Manage email with server-side rules • Inbound and outbound filtering

AntiSpam: DNS blocking • Content detection • Bayesian filtering • Heuristic learning • HashCash stamps • White lists • Black lists

SSL: Securely identify servers • Encrypt data transfer • Create authentication certificates

Access Security: Relay authenticated email only • Define trusted hosts and local IP's • Tarpit excessive-volume SMTP sessions • Reverse lookup • IP and domain screening • POP before SMTP

DomainKeys: Detects if messages are forgeries or altered in transit. • Authenticates sender domains and message integrity.

MDaemon also includes many other security functions. AntiVirus for MDaemon is a separately licensed product.

Pocket PC Example Screens

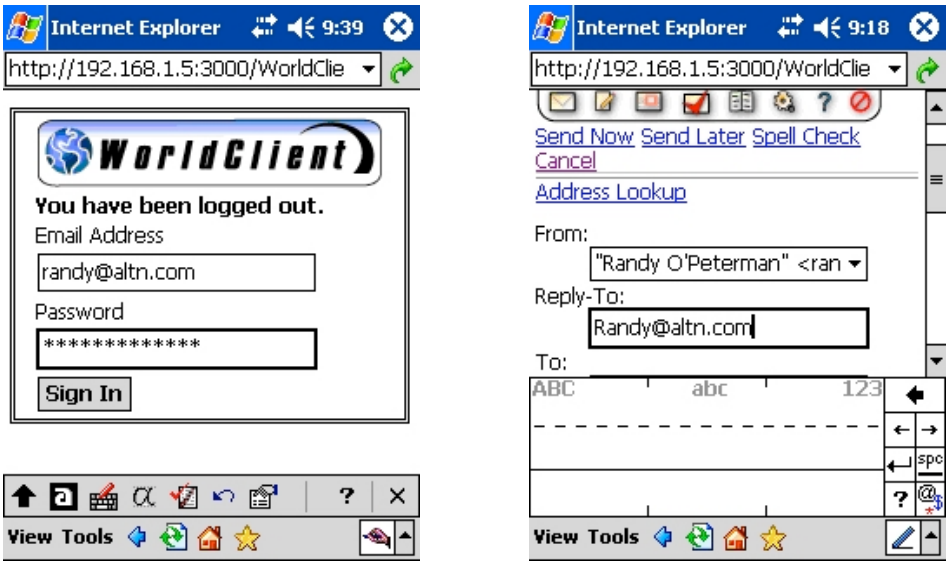

Figure 3: Login and Compose Screens

WAP 2 Example Screens

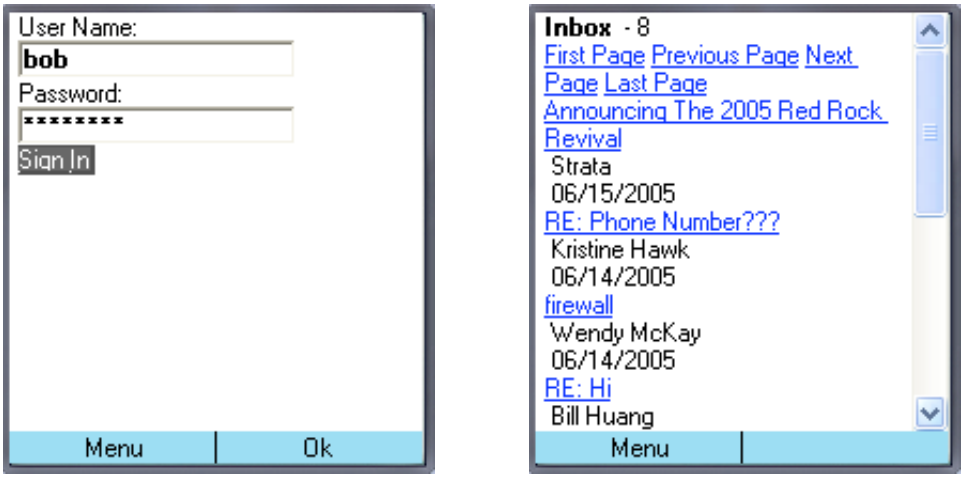

Figure 4: Login and Inbox Screens