



# PageMate® V3.1-0

## Electronic Messaging

## What's New in Version 3.1

PageMate V3.1 provides new support for XML RPC between and among all platforms, new support for Linux, 64-bit platforms, and some significant enhancements for multi-site and multi-server configurations. Also included in this release is enhanced support for web-capable devices, including PDAs and WAP phones.

### Web Device Support

The Web Connector for PAM V3.1 provides enhanced support for small and medium-sized web-capable devices, including PDAs (e.g., iPAQ) and WAP phones. The Web Connector is an option for PAM Server that requires Microsoft Internet Information Server (IIS) on the PAM Server system.

The PageMate Web Connector provides an alternative to RPC for client-server support for interactive users. There are three separate web interfaces provided with the V3.1 Web Connector, including

- A site suitable for use with full-screen browsers (e.g., Microsoft Internet Explorer or Netscape) operating on displays with resolutions in the range 1024 x 768 pixels or greater;
- A site suitable for use with PDAs and similar mobile devices with mid-sized screen resolutions in the range 240 x 320 pixels; and
- A site suitable for use with WAP-enabled phones and similar small-screen devices with display resolutions in the range 120 x 160 pixels.

### XML RPC

PageMate V3.1 provides new support for XML RPC, a remote procedure call facility that encodes transactions with XML and uses HTTP as its transport. A major benefit of XML RPC is broader platform support in comparison to DCE RPC and ONC RPC.

Using XML RPC for client-server communication, PageMate sites can now

- Run PageMate Classic Server and/or PageMate Client on RedHat Linux; and
- Support any mix of Windows, OpenVMS, Unix and Linux servers and clients

The old restriction that Sun Clients had to be served by a Sun Server, for example, is a thing of the past. PageMate V3.1 Clients on Sun can now be served by PageMate Classic Servers on Sun, Windows, OpenVMS, Linux or other Unix, or by PageMate Automated Messenger Servers on Windows.



## Automatic Catalog Synchronization

Sites that maintain multiple PageMate Servers, including at least one PageMate Automated Messenger (PAM) Server, can now designate one or more PAM Servers as "catalog masters" for any and all other servers (including other catalog masters, if desired). Before doing this in an existing multi-server configuration, you will likely want to manually synchronize the catalogs on all servers, ensuring that they have the same networks.dat, pagers.dat and groups.dat files in the PageMate Data directory on each server. Thereafter, any change made to a definition of subscribers (pagers) or groups on any catalog master will be automatically propagated to all other (slave) servers that are running and connected to the network at the time the change is made. The goal and objective of this capability is to help multi-server sites maintain consistent catalogs, always up-to-date on all servers, while minimizing the need implement manual file copy procedures.

PAM Servers that are to act as catalog masters must specify the systems to which they want to serve catalog changes, and systems that wish to be slaves must specify the systems from which they will accept catalog change requests.

## Catalog Change Auditing

Along with automatic catalog synchronization, PageMate V3.1 provides capabilities for logging all catalog changes made on any PageMate Server system. This functionality is enabled by defining the TRACE control variable with value CATALOG. The effect of enabling catalog change auditing is that whenever a change is made to a subscriber or group catalog definition, either as a result of a local operation or as a result of a request received from a catalog master, the change will be logged in a plain text file named catalog.log in the PageMate Logs directory.

## MAIL Message Delivery

PageMate V3.1 now provides a capability to deliver text messages via electronic mail as a protocol type. Paging services defined via networks.dat can be defined with protocol type MAIL, and MAIL can be specified as a device name.

Messages addressed to a subscriber via a network that specifies MAIL protocol type will be delivered via electronic mail to the e-mail address defined in the subscriber record. The PageMate Electronic Mail Connector must be licensed to use this functionality.

## Alpha Sorted Groups

PageMate V3.1 provides a capability to specify that PageMate Server should maintain its groups catalog in alpha sorted order (based on group name). In earlier versions of PageMate, groups catalogs were maintained in order of definition (*i.e.*, in the order in which groups were added to the catalog). For catalogs with large numbers of groups, this can be inconvenient for reporting or displaying lists of group names. Sorted group functionality is enabled on a PageMate V3.1 Server by defining the SORTED\_GROUPS control parameter with value TRUE.

## New API Functionality

PageMate V3.1 provides new functionality in the API for blind and direct paging. Two-way messaging to subscribers, including profile-directed processing of replies, is also supported. Details are provided in the PageMate V3.1 User's Guide.

## Command Line Syntax

PageMate V3.1 implements consistent command line syntax across all platforms. In previous versions of PageMate Client, there were differences in command line syntax based on platform-specific conventions (DOS for Windows, DCL for OpenVMS and shell commands for UNIX).

In PageMate V3.1, SEND and SHOW command verb functionality is maintained for compatibility with existing scripts and command procedures, but deprecated. The preferred common syntax for command line functionality on PageMate Clients now uses switch options introduced with minus sign (dash), as, for example,

```
page -s WATSON "Come here, I need you."
```

where `-s` is the switch option for "send".

The platform-specific difference that is still a difference in PageMate V3.1 is the page command itself. As in previous versions of PageMate, the command line verb is page on Windows, pagecmd on UNIX, and page/cmd (or PAGE/DCL) on OpenVMS.

New functionality provided via the command line in Version 3.1 includes support for blind and direct messaging, as well as two-way messaging to subscribers. The `-n` switch option provides a capability to specify a network in conjunction with a PIN for direct messaging to an unlisted pager. A complete listing of command line functionality and options is provided in the PageMate V3.1 User's Guide.