



# Business Messaging and Collaboration with Linux and OpenMail



**Richi Jennings, Technical Product Manager**  
Hewlett-Packard  
Nine Mile Ride  
Wokingham  
Berkshire RG40 3LL  
United Kingdom

**T** +44 (0)1 344-36 5870  
**F** +44 (0)1 344-76 3429  
**E** richi@hp.com

# OpenMail®



# Agenda

2

- 1. Business Messaging Overview**
- 2. Why Linux?**
- 3. Why OpenMail?**
  - Administrator benefits
  - End-user benefits
  - Bean-counter benefits

OpenMail



# 1. Business Messaging

---

3

OpenMail

- ◆ **It's just e-mail, right? ... *WRONG!***
- ◆ **Successful messaging implementations in businesses enjoy...**
  - High reliability and availability
  - Flexible administration
  - Extreme scalability
  - High-class functionality
- ◆ **...all of which add up to low TCO...**



## Reliability & Availability

4

OpenMail

- ◆ **OpenMail conceived from the get-go to be reliable**
- ◆ **Key philosophy is “Never, never, never lose a message”**
- ◆ **Can do on-line backups**
- ◆ **Fast recovery from power failures etc.**
- ◆ **Also, for the ultimate in high availability, OpenMail has rich clustering support**



## Flexible Administration

---

OpenMail

- ◆ **Core administration is performed through a command line interface**
- ◆ **Graphical tools are built on top of this**
- ◆ **All administration functionality is scriptable**
  
- ◆ **Contrast with competitors' philosophy:**
  - Core administration happens in a GUI
  - Minimal scriptability
  - *Why suffer from RSI when administering your users?*



# Scalability

6

OpenMail

- ◆ **OpenMail designed to support thousands of simultaneous users per server**
- ◆ **Linux example:**
  - single-CPU 500MHz Pentium III
  - 1/2 GB RAM
  - 2,150 users @ 60% CPU utilization
- ◆ **HP-UX example:**
  - K580/6
  - 1.3 GB RAM
  - 6,500 users @ 55% CPU utilization
- ◆ **Of course, attention needed to system design (especially disk I/O)...**



775 I/Os  
per sec.



1556 I/Os  
per sec.



# Functionality

7

OpenMail

- **Is “vanilla” internet mail functionality enough?**
  - {ESMTP, POP3, IMAP4, LDAP}
- **OpenMail does all this and more**
- **Supports Microsoft Outlook in full “MAPI” mode**
  - Not just e-mail
  - Replicated public folders
  - Store calendars, task lists, contacts, etc.
  - Share free/busy
  - Share calendar details
  - Delegation, with ACLs
- **OpenMail is *the only* non-Microsoft server to do this!**



## Low TCO, Because...

OpenMail<sup>®</sup>

**Easier administration + Reliability**  
= **Fewer administrators**  
= **Lower cost!**

**Better scalability**  
= **More users per server**  
= **Fewer servers**  
= **Lower cost!**

**Higher functionality**  
= **Better ROI**  
= **Lower cost!**







## 2. Why Linux?

OpenMail

### ◆ **Linux is...**

- Reliable
- Secure
- Inexpensive
- Scalable
  - (compare NT port and Linux port)

### ◆ **Three target audiences for OpenMail...**

- Existing large users, to fill-in at smaller sites
- New, small/medium users
- E-service providers (especially those with a pay-as-you-go business model)



## 3. Why OpenMail?

10

OpenMail

### ◆ **OpenMail is...**

- Scalable
- Flexible
- Reliable
- Highly-available
- Low-cost
- Feature-rich
- Future-proof

◆ **OpenMail is ideal for providing messaging and collaboration as an e-service**



# Alternatives

OpenMail

- ◆ **Lotus Domino**
- ◆ **Sendmail Pro**
- ◆ **i-Planet (Netscape)**
- ◆ **Cyrus**
- ◆ **Intrastore**
- ◆ **University of Washington**
- ◆ **Microsoft Exchange**



## OpenMail Success in 1999

openMail

- ◆ **Large Government department in PR China**
  - 30,000 users
  - UNIX is the preferred platform in China
- ◆ **Large telecom provider in Hong Kong**
  - 100,000 user pilot started
- ◆ **Italian government project, for 15,000 users**
- ◆ **Government office in Netherlands, up to 40,000 users**
- ◆ **Large expansion by many existing OpenMail customers**
- ◆ ***Best Of Show* award at LinuxWorld USA (see next page)**
- ◆ ***OpenMail Anywhere* offers first secure web messaging**
- ◆ **First e-mail product to support WAP**



## OpenMail at LinuxWorld

---

OpenMail

- ◆ **OpenMail won the “Top Product - Best of Show” award**
- ◆ **Voted on by almost 10,000 attendees**





**Nicholas Petreley**  
*editorial director of LinuxWorld*

OpenMail

## HP previews wares at LinuxWorld

- *"...the killer feature, if you will, is that you can use OpenMail as a drop-in replacement for Microsoft Exchange"*
- *"Users running Outlook can share calendars, schedules, and folders"*
- *"It even includes an impressive-looking Web-based e-mail interface that lets you access mail from any browser"*



**Tom Yager**  
*writing in InfoWorld Test Center*

OpenMail

◆ **HP delivers mail on a grand scale**

- *"OpenMail for Linux is a serious alternative to Microsoft Exchange and other enterprise mail servers"*
- *"...the functionality of Exchange, including support for Microsoft Outlook's groupware features, but provides better performance, greater scalability, and 11 languages"*
- *"Users can access their mailboxes using Outlook, Lotus cc:Mail, Lotus Notes, Microsoft Mail, Web browsers, and standards-based (SMTP, IMAP, POP) mail clients"*
- *"OpenMail is a remarkable and surprisingly affordable mail server. I predict you'll be impressed"*



# OpenMail

**Business Messaging for the next E.  
E-services.**

**[www.hp.com/go/openmail](http://www.hp.com/go/openmail)**