

Tru64 UNIX Best Practice

Configuring POP Mail Servers Using Internet Express

March 2002

Product Version: **Internet Express Version 5.8**

This Best Practice describes how to use *Compaq*[™] Internet Express (formerly Open Source Internet Solutions) to configure a Post Office Protocol (POP) mail server for accessing mail.

Contents

Configuring POP Mail Servers Using Internet Express

Is This Best Practice Right for You?	1
Before You Begin	1
Using POP to Access Remote Mail	2
Compaq's POP Mail Server Implementations	2
Applying the Best Practice	2
Obtain the Internet Express Kit	3
Install the POP Mail Server	3
Install the Administration Utility	3
Migrate POP User Accounts (Optional)	3
Create UNIX User Accounts for POP Mail	4
Enable the POP Mail Server	5
Instruct Users to Configure Their Client Systems	5
Verifying Success	5
Troubleshooting	6
Alternative Practices	6
Comments and Questions	7
Legal Notice	7

Configuring POP Mail Servers Using Internet Express

Internet Express is a collection of popular Open Source and other Internet software. Internet Express gives you the latest version of a POP mail server based on the Qualcomm POP Server, plus other mail server components. Using Internet Express, you can install a POP mail server on your *Tru64*[™] UNIX system and use the default configuration values provided.

See the Tru64 UNIX Best Practices Web page for more information about Best Practices documentation.

Is This Best Practice Right for You?

Not all Best Practices apply to all configurations, so you must be sure that this Best Practice is appropriate for your system and circumstances. To use this Best Practice, you must meet the requirements described in the following table.

Requirement	Description
Operating System	Tru64 UNIX Version 5.0A or higher
Product Version	Internet Express Version 5.8 or higher
System Configuration	High-speed network interface. Consider multiple network interfaces for very high volumes.

If you do not meet the previous requirements, see *Alternative Practices* for information.

Before You Begin

Before you apply the Best Practice for Configuring POP Mail Servers Using Internet Express, you must understand some background information and perform some preliminary tasks.

If you have not already done so, register the IP address and any IP aliases for the system and configure the network. The Internet Express installation procedure will lead you through the network configuration, if necessary.

If you need to better understand the mail server environment and the role of this component, see the Best Practice document the Best Practice document *Planning Mail Services Using Internet Express*. It describes the basic mail functions, including the protocols used and the mail server components available in Internet Express.

Using POP to Access Remote Mail

The Post Office Protocol (POP) server is primarily an offline e-mail processing system. Offline e-mail processing systems typically download e-mail from the mail server to the mail client (usually a PC running Windows, Mac OS, UNIX, or another operating system) and optionally leave no copies of the e-mail on the server.

The primary advantage of an offline e-mail processing system is that it is inexpensive, reliable, and in common use.

The POP mail server supports disconnected e-mail processing in a limited manner: messages can be downloaded from the mail spool (inbox) without deleting them and selectively deleted at a later time. For better disconnected remote access, consider using an Internet Message Access Protocol (IMAP) server, which also supports online and offline remote access. See the Best Practice document *Configuring IMAP Mail Servers Using Internet Express* for details.

Compaq's POP Mail Server Implementations

Compaq offers the following POP mail server implementations:

- Tru64 UNIX provides a POP mail server based on the Qualcomm POP Mail Server (`/usr/sbin/POPd`), which is fully installed and configured for you when you install the OSFINET subset.
- Internet Express provides the latest released version of a POP mail server based on the Qualcomm POP Mail Server.

Applying the Best Practice

Before you configure the POP mail server, be sure to follow the recommendations in *Before You Begin*.

The Internet Express “Installation and Documentation” CD-ROM contains the POP mail server, as well as other Internet software. This Best Practice recommends that you:

1. Obtain the CD-ROM from the Internet Express kit.
2. Install the POP mail server subset (IAEPOP) and the Internet Express Administration utility subset (IAEADM).
3. Optionally, migrate POP user accounts.
4. Configure UNIX user accounts for POP mail access.
5. Use the Administration utility to enable and disable the POP mail server for your site.

Obtain the Internet Express Kit

Compaq includes the Internet Express CD-ROMs with Tru64 UNIX AlphaServer™ systems. If you need the Internet Express CD-ROMs, you can contact your Compaq representative. The part number for the Internet Express Kit is QB-3NCAA-SA .

Install the POP Mail Server

To install the POP mail server subset (IAEPOP), follow the instructions in the *Internet Express for Tru64 UNIX Installation Guide*. The Internet Express installation procedure lets you optionally select the subsets you want to install. Select the IAEPOP subset to install the latest version of the POP mail server. The Internet Express installation procedure configures the POP mail server for you.

Install the Administration Utility

To install the Administration utility subset (IAEADM), follow the instructions in the *Internet Express for Tru64 UNIX Installation Guide*. The Internet Express installation procedure automatically selects prerequisite subsets for installation.

Migrate POP User Accounts (Optional)

If you previously downloaded and are using the Qualcomm POP Server, you need to transition from Qualcomm’s service to the Tru64 UNIX implementation. Complete the following tasks:

- Ensure that the `/etc/inetd.conf` and `/etc/services` configuration files were updated with the correct entries.
- If a previous `popauth` database exists, convert it to a `mailauth` database by using the following command:

```
# /usr/bin/mailauth -convert
```

Note

You do not need to convert your mailboxes for POP mail user accounts that you migrated from the `popauth` database to the `mailauth` database. The only difference between Qualcomm POP Server and the Tru64 UNIX implementation of the Qualcomm POP Server is the mail authorization database, which has been enhanced to store secondary POP and IMAP passwords.

Create UNIX User Accounts for POP Mail

Follow these steps to create a UNIX system user account for POP mail access:

1. Log in to the Internet Express Administration utility.
2. From the Administration utility main menu, choose Manage Components. The Manage Components menu is displayed.
3. From the Manage Components menu, under Users, choose Manage Users. The Manage Users menu is displayed.
4. If you need to create a UNIX system user account, choose either Create System User Account or Create Captive User Account.

On the user account form, fill in the appropriate fields to create a user login name and password. For a system user account, be sure to provide the full pathname of the login directory. Follow the steps in the *Internet Express for Tru64 UNIX Administration Guide* or select online help from the Administration utility.

Note

Your POP configuration uses your regular UNIX login password, displayed in clear text. You can optionally use APOP to create encrypted passwords. See the *Internet Express for Tru64 UNIX Administration Guide* for information.

5. To change a user account, from the Manage Users menu:
 - a. Choose Change User Account Mail Service.
 - b. Select the user(s) for whom you want to change the service. If no user names appear, click on a group name and then select a user.
 - c. Assign the POP mail service to the selected user accounts. You can create any of three types of POP user accounts: Regular Delivery, POP with Password, and APOP with Password. Accounts created with a password enable users to create a mail password different from their login password.

Enable the POP Mail Server

To enable the POP mail server, follow these steps:

1. On the Administration Utility Main menu, choose Manage Components.
2. Under Mail on the Manage Components menu, choose POP Server.
3. On the POP Server Administration menu, choose Enable/Disable the POP Server.
4. Click on Enable.

Instruct Users to Configure Their Client Systems

Provide users with the following information to configure their client systems:

- The name of the POP mail server.
- The login name and password.

Instruct users to configure the POP protocol.

Verifying Success

After you apply the Best Practice for Configuring a POP Mail Server, you can verify whether it was successful.

- You successfully installed the POP mail server and Administration utility from Internet Express.
- You created POP mail accounts.
- Using the Administration utility, you enabled the POP mail server.

- Users can access and read their mail.
- The system generates a log file in `/var/admin/syslog.dated/current_date/mail.log` that you can review.

If the Best Practice was not successful, see *Troubleshooting* for information about identifying and solving problems.

Troubleshooting

If you determine that the Best Practice was not successful as described in *Verifying Success*, use the following table to identify and solve problems.

Problem	Possible Solutions
An Internet Express subset did not install.	Review the installation steps described in the <i>Internet Express for Tru64 UNIX Installation Guide</i> .
You could not start the POP mail server.	The mail server might not have properly installed. Remove and then reinstall the mail server.
Users cannot access and read mail.	Check that the following mail client configuration information is correct: user name, password, POP mail server host name, POP protocol default port (110).

Alternative Practices

Although this Best Practice is the recommended method for configuring the POP mail server, you can use an alternative method if your system does not meet the requirements described in *Is This Best Practice Right for You?*.

- Install the binary kit or install sources copied from

`http://www.eudora.com/qpopper/index.html`

The `INSTALL` file gives detailed installation instructions if you want to change any of the default settings.

- If you are running Tru64 UNIX Version 5.0A or higher, continue to use the version of the POP mail server provided with the operating system. (The operating system provides a POP mail server, `/usr/sbin/POPd`, which is fully installed and configured for you when you install the OSFINET subset.)

Comments and Questions

We value your comments and questions on the information in this document. Please mail your comments to us at this address:

best_practices@zk3.dec.com

Legal Notice

Compaq, the Compaq logo, AlphaServer, and Tru64 are trademarks of Compaq Information Technologies Group, L.P.

Microsoft, Windows, and FrontPage are trademarks of Microsoft Corporation. UNIX and The Open Group are trademarks of The Open Group. All other product names mentioned herein may be trademarks of their respective companies.

Confidential computer software. Valid license from Compaq required for possession, use, or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Compaq shall not be liable for technical or editorial errors or omissions contained herein. The information is provided "as is" without warranty of any kind and is subject to change without notice. The warranties for Compaq products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty.