

# **Tru64 UNIX Best Practice**

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## **Configuring and Managing Internet Express**

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**Product Version:                      Internet Express Version 6.0**

This Best Practice describes how the Internet Express Administration utility best helps you configure and manage users, components, and the system.

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# Configuring and Managing Internet Express

The Administration utility provides a convenient graphical user interface from which you can perform user, component, and system management functions.

This Best Practice recommends that you select the Administration utility subset for installation, as described in *Applying the Best Practice*.

See the Tru64 UNIX Best Practices Web page ([http://www.tru64unix.compaq.com/docs/best\\_practices/](http://www.tru64unix.compaq.com/docs/best_practices/)) 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 6.0 or higher
System Configuration for Internet Express Version 6.0	Maximum required /usr file system disk space is approximately 533 MB for a full installation of all components.

Requirement	Description
Impact on Availability	Disk space and memory requirements can vary depending on your system configuration and the Internet Express subsets you install. See the <i>Internet Express for Tru64 UNIX Installation Guide</i> for more information.
Administration Utility Subset (IAEADM)	You must install the Administration utility subset and prerequisite subsets to perform the management functions described in this document. See the <i>Internet Express for Tru64 UNIX Installation Guide</i> for information on installing these subsets.

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

See *Internet Express Administration Guide* for complete information about the Administration utility.

## Before You Begin

Before you apply the Best Practice for Configuring and Managing 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.

To perform this Best Practice, you must first install the Administration utility (if you have not previously chosen to install it). When you select the Administration utility subset (IAEADM), the following subsets are automatically selected for installation:

- Secure Web Server (*Powered by Apache*) Version 1.3 (IAEAPCH) and Version 2.0 (IAEHTTPD)
- Mail (Pine) and news (TIN News Reader) (IAEUXCA)
- Tel runtime components (IAETCLRT)
- Internet Express documentation (IAEDOC)

## Applying the Best Practice

Before you apply this Best Practice, be sure to follow the recommendations in *Before You Begin*.

The Internet Express CD-ROM labeled "Installation and Documentation" contains the Administration utility, as well as other Internet software. This Best Practice recommends that you:

1. Obtain the CD-ROM labeled "Installation and Documentation" from the Internet Express kit.
2. Install the Internet Express Administration utility subset (IAEADM) and related subsets.
3. Navigate through the Administration utility to learn how to configure and manage users, components, and the system.

See *Install the Administration Utility* for more information.

## Obtain the Internet Express Kit

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

## 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.

When you install the Administration Utility Subset, the documentation subset is also installed. The documentation subset provides the online Internet Express Documentation Bookshelf that lets you:

- Interactively display online documentation for the Administration utility (HTML format)
- View the PDF version of the *Internet Express for Tru64 UNIX Administration Guide*
- Print the PostScript documentation

## Use the Administration Utility

The Administration utility helps you configure and manage users and components.

Using a Web browser, connect to the Internet Express administration server on port 8081:

`http://host.domain.name:8081/`

The Administration Utility Main menu is displayed.

## Manage Components

The Administration utility lets you configure and manage Internet Express components. Follow these steps to get started:

1. From the Administration Utility Main menu, choose Manage Components. The Manage Components menu is displayed, showing the Internet Express components listed by category:
  - Darwin Streaming Server — Lists the Darwin Streaming Server
  - FTP Server – Lists the FTP Server
  - IRC Chat Server – Lists the Internet Relay Chat (IRC) component
  - InterNetNews – Lists the InterNetNews (INN) Server
  - Samba Server – Lists the Samba File and Print Server
  - Directory Services—Links to the LDAP Directory Services Administration page and Display Console Server
  - Mail – Lists mail administration components, including the SMTP server, POP servers, IMAP, and IMP Webmail servers—plus the Majordomo mailing list component
  - Network Security – Lists security components including Denial of Service Tools, FireScreen, and TCP Wrapper
  - Proxy – Lists the Dante SOCKS Proxy Server and Squid Proxy/Caching Server
  - Quality of Service—Lists the Internet Monitor component and the Start/Stop function
  - System – Links to the Web-Based Management user interface and to the user interface for tuning the kernel subsystem parameters to improve the performance of Internet services
  - SLP – Lists the OpenSLP (Service Location Protocol) component Start/Stop function

- Users – Lists the Interlink Networks AAA Server, LDAP System Authentication Administration, and tasks for managing users. See *Manage Users*.
- Web – Links to the Secure Web Server (when you have installed the IAEAPCH or IAEHTTTPD subset, or both), documentation and administration pages for the Microsoft FrontPage Server Extensions Resource Kit, and administration pages for the ht://Dig Index and Search System.
- XML Tools – Links to the Apache Cocoon Servlet and the Apache SOAP Server
- PostgreSQL Database Management System – Lists the PostgreSQL Database Management System.

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**Note**

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The Manage Components menu lists all Open Source software components that are currently installed. However, you may not have all available components installed. Choose the Install/Remove Components option on the Administration Utility Main menu to install (or remove) a component. The installation page lists the components that are not installed.

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2. From the Manage Components menu, choose the component you wish to configure or manage. The administration menu for that component is displayed. This menu is different for each component.

For information on configuring and managing a particular Internet Express component, see the *Internet Express Administration Guide*.

## Manage Users

The Administration utility lets you manage users in several ways. Follow these steps to get started:

1. From the Manage Components menu, choose Manage Users. The Manage Users menu is displayed, showing several user management options:

- Create captive user accounts—Create specifically named user accounts or generic user accounts. Optionally, add a user to a secondary user group.
  - Create system user accounts—Create standard UNIX accounts for individual system users.
  - Create groups—Create a primary or secondary user group for specified users.
  - Display user accounts—Display user account information for any number of selected users.
  - Delete user accounts—Delete a user account, optionally removing the home and mail directories associated with the deleted account.
  - Change user account secondary groups—Change the list of secondary groups to which one or more users are assigned.
  - Change user account passwords—Establish a new password for a user who has forgotten their password or to retain a user account on the system but deny access temporarily to that account.
  - Change user account mail service—Change mail service for a single user, or group of users, or all users on your system.
  - Manage iass account—Modify the forwarding address for e-mail addressed to the iass account set during installation and manage the `~iass/.users.list` file.
2. On the Manage Users menu, explore the menu options to familiarize yourself with the Administration utility's user management functions.

## Verifying Success

After you apply the Best Practice for Configuring and Managing Internet Express, you can verify whether it was successful:

- You successfully installed the Internet Express Administration utility subset (IAEADM) and related subsets.
- You accessed the Manage Users, Manage Components, and Manage System menus from the Administration Utility Main menu and explored the management functions under each option.
- On the Manage Components menu, you selected a particular component and navigated through the configuration and management menus for that component. You also could view the list of installed components.
- You accessed the Administration utility online help and printable documentation.

If this 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
The Administration utility did not install.	Review the installation steps described in the <i>Internet Express for Tru64 UNIX Installation Guide</i> . In the same guide, also review Chapter 4, <i>Troubleshooting</i> .
You could not access administration tasks for a component.	Make sure the component is installed. Some components require a user name and password to continue.
You could not access the Documentation Bookshelf.	Be sure you are entering the correct URL for the Documentation Bookshelf. Some documentation can be accessed directly from the Administration utility Manage Components menu.
Your Web browser is not allowed access to the Administration utility.	Allow access to the hostname or domain of the computer where you are running your Web browser. See the section on allowing remote access to the Administration utility in the <i>Internet Express Administration Guide</i> .

## Alternative Practices

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

Configure and manage Internet Express users, components, or the system from the Tru64 UNIX Operating System shell. Go to the URLs listed in *Where to Find Online Information* for specific information about Internet Express components.

## Where to Find Online Information

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Component Name	URL or FTP Address
Apache Cocoon Servlet	<a href="http://xml.apache.org/cocoon1">http://xml.apache.org/cocoon1</a>
Apache SOAP Server	<a href="http://xml.apache.org/soap">http://xml.apache.org/soap</a>
Apache Web Server	<a href="http://www.apache.org/">http://www.apache.org/</a>
analog	<a href="http://www.analog.cx/">http://www.analog.cx/</a>
expect	<a href="http://expect.nist.gov/">http://expect.nist.gov/</a>
FrontPage Server Extensions	<a href="http://www.officeupdate.microsoft.com/frontpage/wpp/SERK/default.htm">http://www.officeupdate.microsoft.com/frontpage/wpp/SERK/default.htm</a>
Washington University File Transfer Protocol (FTP) Server	<a href="http://www.wu-ftp.org/">http://www.wu-ftp.org/</a>
University of Washington IMAP4 Mail Server	<a href="http://www.washington.edu/imap/">http://www.washington.edu/imap/</a>
Cyrus IMAP Server	<a href="http://asg.web.cmu.edu/cyrus/">http://asg.web.cmu.edu/cyrus/</a>
ht://Dig Index and Search	<a href="http://www.htdig.org">http://www.htdig.org</a>
InterNetNews (INN)	<a href="http://www.isc.org/products/INN">http://www.isc.org/products/INN</a>
Internet Relay Chat (IRC)	<a href="http://www.irchelp.org/">http://www.irchelp.org/</a>
Interlink Networks AAA Server	<a href="http://www.interlinknetworks.com">http://www.interlinknetworks.com</a>
Lightweight Directory Access Protocol (LDAP)	<a href="http://www.openldap.org/">http://www.openldap.org/</a>
Majordomo	<a href="ftp://ftp.greatcircle.com/pub/majordomo/">ftp://ftp.greatcircle.com/pub/majordomo/</a>
OpenSLP	<a href="http://www.openslp.org/">http://www.openslp.org/</a>
Practical Extraction and Report Language (Perl)	<a href="http://www.perl.com">http://www.perl.com</a>
PHP Hypertext Preprocessor	<a href="http://www.php.net/">http://www.php.net/</a>
Pine and Pico	<a href="http://www.washington.edu/pine/">http://www.washington.edu/pine/</a>
Post Office Protocol (POP) server	<a href="http://www.eudora.com/freeware/servers.html">http://www.eudora.com/freeware/servers.html</a>
ProcMail	<a href="http://www.procmail.org/">http://www.procmail.org/</a> <a href="ftp://ftp.procmail.org/pub/procmail/">ftp://ftp.procmail.org/pub/procmail/</a>

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<b>Component Name</b>	<b>URL or FTP Address</b>
Samba File and Print Server	<a href="http://www.samba.org">http://www.samba.org</a>
sendmail	<a href="http://www.sendmail.org/">http://www.sendmail.org/</a>
Squid Proxy/Caching Server	<a href="http://squid-cache.org">http://squid-cache.org</a>
Tool Command Language (Tcl)	<a href="http://www.scriptics.com/">http://www.scriptics.com/</a>
Tcl-cgi	<a href="ftp://ftp.digital.com/pub/DEC/IAS/tcl_cgi-1.6x.tar.Z">ftp://ftp.digital.com/pub/DEC/IAS/tcl_cgi-1.6x.tar.Z</a>
TclTk toolkit	<a href="http://www.scriptics.com/software/tcltk/">http://www.scriptics.com/software/tcltk/</a>
TclX (Extended Tcl)	<a href="http://www.NeoSoft.com/tclx/">http://www.NeoSoft.com/tclx/</a>
TCP Wrapper	<a href="ftp://ftp.porcupine.org/pub/security/index.html">ftp://ftp.porcupine.org/pub/security/index.html</a>
TIN News Reader	<a href="http://www.tin.org/">http://www.tin.org/</a>

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## 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](mailto:best_practices@zk3.dec.com)

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