

Internet Express for Tru64 UNIX

Read This First

April 2005

Product Version: Internet Express Version 6.4 for Tru64 UNIX

Operating System and Version: HP Tru64 UNIX Version 5.1A or higher

This document describes new and changed features of Internet Express for HP Tru64 UNIX Version 6.4. Read this document before installing or using Version 6.4 of the product.

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Contents

1 Internet Express Version 6.4

1.1	New Features	1-1
1.2	Updated Open Source Software	1-1
1.3	Sendmail Updated Features	1-2
1.4	Evaluation Software	1-3
1.5	Software No Longer Included	1-4
1.6	Source tar File Collection for Internet Express Version 6.4	1-4
1.7	Register Your Installation of Internet Express	1-6
1.8	Software Product Services	1-6
1.9	Server Tuning Information on the Web	1-6
1.10	Installation Requirements	1-6
1.10.1	Licenses for Proprietary Software	1-6
1.10.2	Default Port Access	1-7
1.11	Administration Utility Web Browser Requirement	1-7

2 Documentation Notes

2.1	Reading Documentation Using the Administration Utility	2-1
2.2	Reading Documentation Using the Public Web Server	2-1
2.3	Reading Documentation from the Internet Express CD-ROM	2-2
2.4	Reading Reference Pages for Internet Express Components	2-2
2.5	Reading the Open Source Software Component Documentation	2-3
2.6	Reading the <i>Internet Services User's Guide</i>	2-3

Index

Tables

1-1	Open Source Software Source Files for Internet Components	1-4
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Internet Express Version 6.4

The Internet Express for Tru64 UNIX product is included with, and provides Internet capability for, HP Tru64 UNIX AlphaServer systems. It is a suite of popular Internet and administration software that includes security products, mail servers, news and chat servers, an LDAP directory server, a choice of Web servers, and a variety of tools for providing dynamic Web content. The Internet Express product, order number QB-3NCAA-SA (worldwide), includes:

- The product license
- A set of Internet Express CD-ROMs that includes the Internet Express Administration software, the Secure Web Server, Internet Monitor, other Internet server software, and documentation, including HTML and PDF versions of the documentation.

1.1 New Features

- Libxml2 – an XML parser and toolkit in C developed by the Gnome project
- Mailman – GNU Mailing List Management System. Mailman is used to manage mailing and e-newsletter lists. Users can use the Web facility to perform activities such as subscribe/unsubscribe, view the members of the list, post a message, and so on. List administrators can use the Web facility for wide range of operations including archiving, membership management, language options, and handling moderator requests.
- Pure-FTPd — A file transfer protocol (FTP) server with the following features:
 - A high flexibility for ISPs and hosting services
 - FTP accounts can be distinct from system accounts stored in different database
 - Virtual quota system support
 - Bandwidth throttling support
 - Ability to assign individual quota, ratio and bandwidth for every user
 - Multiple virtual FTP servers can be hosted on the same computer
 - Full compatibility with existing specifications, clients and servers

1.2 Updated Open Source Software

The following Open Source software has been updated for this release:

- Apache Version 1.3.32
- Apache Version 2.0.52
- Apache/Jakarta Tomcat Version 5.0.28
- Batik Java-based toolkit for Scalable Vector Graphics Version 1.5.1
- bogofilter Version 0.92.8
- Calamaris Squid log file analysis tool Version 2.59
- Cocoon Web Publishing Framework Version 2.1.5.1
- Cyrus IMAP Version 2.2.8

- Cyrus SASL Library Version 2.1.19
- Horde Web-based IMAP framework Version 2.2.7
- ht://Dig Web Index and Search System Version 3.2.0b6
- IMP Web-based IMAP client Version 3.2.6
- INN Version 2.4.1
- Mozilla Application Suite Version 1.7.3
- Perl Version Version 5.8.5
- OpenLDAP Version 2.2.15
- Python Version 2.3.4
- PHP Version 4.3.9
- Pine and Pico Version 4.61
- PostgreSQL Relational Database Management System Version 7.4.5
- Samba File and Print Server Version 3.0.10
- sendmail Version 8.13.3
- Snort intrusion detection system Version 2.2.0
- Squid Proxy/Caching Server Version 2.5.STABLE7
- University of Washington IMAP4 Mail Server Version 2004.352-IX
- Xalan Stylesheet Processor for C++ Version 1.8
- Xalan XSLT Stylesheet Processor for Java Version 2.6.0
- Xerces XML parser for C++ Version 2.5.0
- Xerces XML parser for Java Version 2.6.2

1.3 Sendmail Updated Features

The Sendmail version included in this release has several new features, including:

- Separate executables for the 5.1A and 5.1B operating system releases
- Improved random information generator support
- A more complete "From" line format, inclusion of the sendmail submit.cf file for submission control
- Updated contents to the generic cf directory.

There are distinct versions of the sendmail executable for HP Tru64 UNIX operating system versions. Having unique executables allows support of the different random information generators available on Tru64 versions 5.1A and 5.1B. These changes enhance the support of Transport Layer Security in sendmail.

The "From" line header has been updated to reflect the information available in the current support of sendmail. Having the additional information in the header should help in the detection and suppression of spam mail.

The submit.cf file in the `/var/adm/sendmail` directory is new for this release. It contains the basic rules for mail submission. Some supporters of email servers may find that the submit.cf may overly restrict the behavior of sendmail. If so, then the local administrator may move or remove the file. Sendmail will operate using only the sendmail.cf file.

The `/var/adm/sendmail/cf` directory is provided for those who want to build a submit.cf and sendmail.cf using the current open source macros, features and methods found in the cf directory.

1.4 Evaluation Software

The following evaluation software is included on the Internet Express CD-ROM labeled Sources and Evaluation Software:

- Stryon iAsp

Stryon Instant ASP (iASP) provides a portable active server framework that lets developers deploy Active Server Pages (ASP) on a Java-enabled Web server such as the Secure Web Server.

A Developer's Edition of Stryon iASP is provided with Internet Express. For instructions on how to install this evaluation software, see the `README.txt` file in the `iasp/` directory.

More information on the iASP product can be found at the Stryon Web site:

<http://www.stryon.com>

- Tripwire for Servers

Tripwire for Servers software establishes the foundation for data security by assuring the integrity of data across your network. It is the most widely deployed and trusted data integrity assurance solution for today's most popular platforms. The software establishes a baseline of data in its desired state, detects and reports changes to the baseline, and enables rapid discovery and remediation when an undesired change occurs. Tripwire for Servers detects change, whether accidental or malicious, from outside or within.

For instructions on how to install this evaluation software, see the `README.txt` file in the `tripwire/` directory of the Internet Express CD-ROM.

- IPv6 Sniff Tool

The IPv6 Sniff tool aids Tru64 UNIX users in porting applications to use IPv6 (Internet Protocol Version 6). For more information, see the `README.txt` file in the `ipv6sniff/` directory.

- CommuniGate Pro

The CommuniGate Pro messaging server can be integrated with complementary solutions such as desktop e-mail software, antivirus products, and billing systems. CommuniGate Pro features antispam protection, antivirus plug-in, Web administration, multidomain support, dial-up capabilities, IMAP multimapbox features, IMAP4rev1, ESMTP, POP3, WebEmail, MailList, LDAP, ACAP, SSL, CLI, SASL, SNMP, and Personal Web Pages with automated publishing.

For more information, see the `README.txt` file in the `CommuniGatePro/` directory.

More information on CommuniGate Pro can be found at the following Web site:

<http://www.stalker.com/CommuniGatePro/>

- Webmin-Based Administration

The HP Webmin-based Administration is part of the Secure Web Server for Tru64 UNIX. The Secure Web Server For Tru64 UNIX includes key software products necessary to deploy, manage, and implement mission critical web servers. It includes two means of administering the Secure Web Server 2.0. You can choose between the Secure Web Server Administration Server and the HP Webmin-based Administration to administer your Secure Web Server 2.0 public Web server.

Note

Only the Secure Web Server Administration Server may be used to manage the Secure Web Server 1.3 public Web server. Support for TruClusters is not currently available in the HP Webmin-based

The HP Webmin-based Admin is a Perl-based, mini-HTTP server with a comprehensive set of Perl-based CGI's for configuring the Secure Web Server 2.0. It provides many administration features not found in the Secure Web Server Administration Server and does not require a separate instance of the Secure Web Server to be installed in order to administer the Web Server. Only Perl 5.6.1 or higher must be installed to use the new HP Webmin-based Administration.

For the latest information on the HP Secure Web Server For Tru64 UNIX, see:

<http://h30097.www3.hp.com/internet/sws.htm>

1.5 Software No Longer Included

In Versions 5.6 and later of Internet Express, the Tcl, TclTk, TclX, expect, and tcl_cgi components are no longer included.

Source code for these components is also still available in the `source-tar` directory on the Internet Express CD-ROM labeled *Sources and Evaluation Software*.

If you would like to download and build these components yourself, they are available on the Internet as follows:

Component	URL
Tcl/Tk	http://www.scriptics.com/software/tcltk/
TclX	http://www.NeoSoft.com/tclx/
tcl_cgi	ftp://ftp.digital.com/pub/DEC/IAS/tcl_cgi-1.6x.tar.Z
expect	http://expect.nist.gov/

1.6 Source tar File Collection for Internet Express Version 6.4

The `source-tar` directory contains the source code for Open Source components installed by Internet Express Version 6.4.

Table 1-1 lists the `tar` source files for the Internet Express Version 6.4 components.

Table 1-1: Open Source Software Source Files for Internet Components

Component	Name of tar File
analog Version 5.32	<code>analog5.32.tar.Z</code>
Apache Version 1.3.32 (includes <code>auth_ldap</code> , <code>mod_fastcgi</code> , <code>mod_ssl</code> , and <code>open_ssl</code>)	<code>apache_1.3.32.tar.Z</code>
Apache Version 2.0.52	<code>apache_2.0.52.tar.Z</code>
Apache Axis Web Services Version 1.1	<code>axis-1_1-src.tar.gz</code>
Apache/Jakarta Tomcat Version 5.0.28	<ul style="list-style-type: none"><code>jakarta-tomcat-5.0.28.tar.gz</code><code>jakarta-tomcat-5.0.28-src.tar.gz</code>
Batik Java-based toolkit for Scalable Vector Graphics Version 1.5.1	<ul style="list-style-type: none"><code>batik-src-1.5.1.tar.gz</code><code>batik-src-1.5.1.zip</code>
BIND Domain Name System Version 9.2.3	<code>bind9.2.3.tar.Z</code>

Table 1-1: Open Source Software Source Files for Internet Components (cont.)

Component	Name of tar File
bogofilter Version 0.92.8	bogofilter-0.92.8.tar.Z
Calamaris Squid log file analysis tool Version 2.59	calamaris-2.59.tar.Z
Cyrus IMAP Version 2.2.8	cyrus-imapd-2.2.8.tar.Z
Cyrus SASL Library Version 2.1.19	cyrus-sasl-2.1.19.tar.Z
Cocoon Web Publishing Framework Version 2.1.5.1.	cocoon-2.1.5.1-src.tar.gz
Dante SOCKS Server Version 1.1.14	dante-1.1.14.tar.Z
expect Version 5.32.1	expect-5.32.1.tar.Z
FOP Print Formatter Version 0.20.5	fop-0.20.5-src.tar.gz
Horde Web-based IMAP framework Version 2.2.7, IMP Web-based IMAP client Version 3.2.6, and Turba Addressbook/Contact Manager Version 1.2.2	horde-imp-3.2.6.tar.Z
ht://Dig Web Index and Search System Version 3.2.0b6	htdig-3.2.0b6.tar.Z
Internet Relay Chat Version 2.10.3p6	irc2.10.3p6.tar.Z
InterNetNews Version 2.4.1	inn-2.4.1.tar.Z
LIBPCAP Packet Capture Library Version 0.8.3	libpcap-0.8.3.tar.Z
Libxml Version 2.6.14	libxml2-2.6.14.tar.gz
Lynx Browser Version 2.8.5	lynx-2.8.5.tar.Z
Majordomo Mailing List Server Version 1.94.5	majordomo-1.94.5.tar.Z
Mailman — GNU Mailing List Management System Version 2.1.5	mailman-2.1.5.tar.Z
Mozilla Application Suite Version 1.7.3	mozilla-1.7.3-sources.tar.gz
OpenLDAP Version 2.2.15	openldap-2.2.15.tar.Z
OpenSLP Version 1.0.11	openslp-1.0.11.tar.Z
Perl Version Version 5.8.5	perl-5.8.5.tar.Z
PHP Hypertext Preprocessor for Apache Version 4.3.9	php-4.3.9.tar.Z
PJA (Pure Java AWT Toolkit) Version 2.4	pja_2.4.zip
Pine and Pico Version 4.61	pine-4.61.tar.Z
poppassd Password Changing Server	poppassd.tar.Z
PostgreSQL Relational Database Management System Version 7.4.5	postgresql-7.4.5.tar.Z
Procmail Mail Filtering Language Version 3.22	procmail-3.22.tar.Z
Pure-FTPD Version 1.0.20	pure-ftpd-1.0.20.tar.Z
Python Programming Language Version 2.3.4	python-2.3.4.tar.z
Enhanced Qualcomm POP Server Version 4.0.5	pop-4.0.5.tar.Z
Samba File and Print Server Version 3.0.10	samba-3.0.10.tar.Z
sendmail Version 8.13.3	sendmail.8.13.3.tar.Z
Squid Proxy/Caching Server Version 2.5.STABLE7	squid-2.5.STABLE7.tar.Z
Snort intrusion detection system Version 2.2.0	snort-2.2.0.tar.Z

Table 1-1: Open Source Software Source Files for Internet Components (cont.)

Component	Name of tar File
TCP Wrapper Version Version 7.6	tcpwrapper_7.6.tar.Z
TIN News Reader Version 1.6.2	tin-1.6.2.tar.Z
UDDI Client Libraries in Java (UDDI4J) Version 2.0.2	uddi4j-src-2_0_2.tar.gz
University of Washington IMAP4 Mail Server Version 2004.352-IX	uw-imap-2004.352.tar.Z
Washington University File Transfer Protocol (wu-ftp) Server Version 2.6.2	wu-ftpd-2.6.2.tar.Z
Xalan Stylesheet Processor for C++ Version 1.8	Xalan-C_1_8_0-src.tar.gz
Xalan XSLT Stylesheet Processor for Java Version 2.6.0	<ul style="list-style-type: none">• xalan-j_2_6_0-bin.tar.gz• xalan-j_2_6_0-src.tar.gz
Xerces XML parser for C++ Version 2.5.0	xerces-c-src2_5_0.tar.gz
Xerces XML parser for Java Version 2.6.2	<ul style="list-style-type: none">• Xerces-J-bin.2.6.2.tar.gz• Xerces-J-src.2.6.2.tar.gz• Xerces-J-tools.2.6.2.tar.gz

The tar file `satan-1.1.4exp.tar.gz` contains prebuilt binaries for the Security Tool for Analyzing Networks (SATAN) Version 1.1.4.

1.7 Register Your Installation of Internet Express

Register your installation of Internet Express with HP to receive information on future releases and to provide input on Internet Express features. Complete the online registration form at the end of the installation procedure or at any time using the Administration utility.

1.8 Software Product Services

You can purchase a support contract that will allow you to receive regular updates to the Internet Express administration software and the Open Source software packaged with the kit. See the *QuickSpecs* for kit order numbers. For more information about support contracts, contact your HP service representative.

1.9 Server Tuning Information on the Web

HP provides application notes on various aspects of administering an Internet AlphaServer and on how to tune your Tru64 UNIX system to improve the performance of your Web server and news server at the following URL:

<http://www.tru64unix.compaq.com/technical.html>

1.10 Installation Requirements

Internet Express for Tru64 UNIX must be installed on a system running the Tru64 UNIX operating system Version 5.1A or higher. See the *Installation Guide* for disk space and memory requirements.

1.10.1 Licenses for Proprietary Software

The Internet Express Administration utility, Internet Monitor, FireScreen, and LDAP Authentication Module for System Authentication are proprietary to,

and embody the confidential technology of, Compaq Computer Corporation, a subsidiary of Hewlett-Packard Company. Use of this software is authorized only pursuant to a valid written license from Hewlett-Packard Company or an authorized distributor. See the *QuickSpecs* for details.

1.10.2 Default Port Access

The *Installation Guide* explains how the installation process secures the system by initially restricting access to the Secure Web Server Administration utility and Internet Express Administration utility on port 8081. Access to this port is initially restricted to one local system only. See the *Administration Guide* for information on configuring access control.

1.11 Administration Utility Web Browser Requirement

You access the administration servers from a graphical Web browser. For Internet Express Version 6.1, use Netscape Communicator Version 4.5 or later, or Microsoft Internet Explorer Version 4.0 or later.

The Lynx browser is not supported as a means to access the Administration utility.

Documentation Notes

The Internet Express documentation consists of HTML and PDF versions of the following documents:

- *Read This First* (this document)
- *Release Notes*
- *Installation Guide*
- *Administration Guide*
- *Secure Web Server Administration Guide*
- *Internet Monitor Administrator's Guide*
- *Internet Services User's Guide*
- *Master Index*
- *QuickSpecs*
- *Software Description and Licensing Terms*
- *Best Practices* — These documents provide you with recommended methods for performing specific tasks, rather than presenting all options.

Additional Best Practices are available at the Tru64 UNIX publications Web site:

http://h30097.www3.hp.com/docs/best_practices/

- *Reference Pages*

This section describes the different methods for accessing the Internet Express documentation.

2.1 Reading Documentation Using the Administration Utility

After installation of the Secure Web Server subset (IAEAPCH), the Internet Express Documentation subset (IAEDOC), and the Internet Express Administration utility (IAEADM subset), you need access to the Administration utility for Internet Express (as described in the *Administration Guide*), so that you can read the documentation following the link from the Web page at:

```
http://hostname.domain:8081
```

where *hostname.domain* is the host name and domain of the system running Internet Express.

2.2 Reading Documentation Using the Public Web Server

You can also read the documentation without the Administration utility by using the public Web server (if you chose to configure one) to access the documentation index page at <http://hostname.domain/documents/bookshelf.html>.

If this URL does not work, verify that the Web server configuration file, `/usr/internet/httpd/admin/conf/httpd.conf`, contains the following line:

```
Alias /documents/ "/usr/internet/docs/IASS/"
```

The Internet Express documentation files are installed in the `/usr/internet/docs/IASS` directory.

- You can access the Documentation Bookshelf installed on your system by entering the following URL (substituting the name of your system for *hostname*) in your browser:

```
http://hostname/documents/bookshelf.html
```

- You can also read the installed documentation directly from the file system using a Web browser running on the same system by using the file URL:

```
file:/usr/internet/docs/IASS/bookshelf.html
```

2.3 Reading Documentation from the Internet Express CD-ROM

You can also access the Documentation Bookshelf on the Internet Express Installation and Documentation CD-ROM from your Tru64 UNIX System or a PC.

On a Tru64 UNIX System

To read the documentation from the Internet Express Installation and Documentation CD-ROM on an AlphaServer system:

1. Log in to your system as root.
2. Insert and mount the CD-ROM, replacing *drive* with the name of your CD-ROM drive:

```
# mount /dev/drive /mnt
```

Usually this will be:

```
# mount /dev/disk/cdrom0c /mnt
```

3. In a Web browser, open the Documentation Bookshelf file by entering the following URL:

```
file:/mnt/index.htm
```

4. Click on the book you want to open.

On a PC

To read the documentation from the Internet Express Installation and Documentation CD-ROM on a PC:

1. Insert the CD-ROM into your PC's CD-ROM drive.

The Bookshelf page is automatically displayed in your browser.

If the Bookshelf does not appear, open the following URL, replacing *drive* with the letter of your CD-ROM drive:

```
file:drive:\index.htm
```

2. Click on the book you want to open.

2.4 Reading Reference Pages for Internet Express Components

Reference pages for Internet Express components are available in HTML format from the *Internet Express Reference Pages* index page. These HTML reference pages can be viewed using a Web browser.

Alternatively, you can view these reference pages from a command line in a terminal window, if you modify the search path for the `man(1)` command.

The `man(1)` command's search path needs to include the following directories for Internet Express component reference pages:

```
/usr/share/man  
/usr/local/man
```

```
/usr/internet/pgsql/man
/usr/internet/openldap/man
/usr/news/man
/usr/local/samba/man
/usr/internet/httpd/man
/usr/opt/hpapache2/man
```

You can specify an alternative search path when entering the `man` command by using the `M` or `P` option; for example:

```
# man -M /usr/news/man active.5
```

You can also define the `man` command's `MANPATH` environment variable on the command line or in a file, such as your `.profile` file or `.login` file.

For example, suppose your `MANPATH` environment variable was defined to be the following:

```
/usr/share/man:/usr/dt/share/man:/usr/local/man
```

If you are using the `sh` or `ksh` shell, you could modify the `MANPATH` to add to the search path by adding the following:

```
# set MANPATH $MANPATH:/usr/internet/pgsql/man:/usr/internet/openldap/man:/usr/news/man: \
/usr/local/samba/man:/usr/internet/httpd/man:/usr/opt/hpapache2/man

# export MANPATH
```

If you are using the `csh` shell, you would use a command line like the following:

```
# setenv MANPATH $MANPATH:/usr/internet/pgsql/man:/usr/internet/openldap/man: \
/usr/news/man:/usr/local/samba/man:/usr/internet/httpd/man:/usr/opt/hpapache2/man
```

For details about defining reference page search paths, see `man(1)`.

2.5 Reading the Open Source Software Component Documentation

The product kit also provides documentation (in ASCII text and HTML) for software components included with Internet Express. This documentation is located in the `/usr/internet/docs` directory on the system where Internet Express is installed.

2.6 Reading the *Internet Services User's Guide*

The *Internet Services User's Guide* explains how to use Pine e-mail and the Pico editor, the TIN news reader, and the Lynx Web browser.

The *Internet Services User's Guide* is accessible from the Internet Express online Documentation Bookshelf. You can access the Bookshelf from links on the Administration utility home page (on port 8081), the default home page for the public Web server, or directly from the Internet Express *Installation and Documentation* CD-ROM. (See Section 2.1 for instructions.)

C

customer service support, 1-6

D

documentation
reading, 2-1

E

evaluation software, 1-3

I

installation requirements, 1-6

L

license, 1-6

N

new features, 1-1

O

Open Source software

updated, 1-1

P

port
default, 1-7

R

registration
on-line, 1-6

S

server tuning, 1-6
Stryon iAsp, 1-3

T

tar file directory
contents, 1-4
Tripwire for Servers, 1-3

W

Web browser requirement, 1-7