

# Internet Express Version 6.7 for Tru64 UNIX Internet Express for Tru64 UNIX Read This First

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# 1 Internet Express Version 6.7

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

The following components are new for Internet Express Version 6.7:

- GnuPG (GNU Privacy Guard) Version 1.4.7 – tool for secure communication and data storage
- Apache Struts Version 1.3.8 – framework for creating Java web applications

## 1.2 Updated Open Source Software

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

- Apache Version 2.2.4
- Apache Axis Web Services Version 1.4
- Apache/Jakarta Tomcat Version 5.5.23
- BIND Domain Name System Version 9.3.4-P1
- bogofilter Version 1.1.5
- Calamaris Squid log file analysis tool Version 2.99.4.0
- Clam AntiVirus Mail Filter Version 0.90.3
- Clam AV Mail Filter Interfacing Program Version 2.5.1
- Cocoon Web Publishing Framework Version 2.1.10
- Cyrus IMAP Version 2.3.8
- Dante SOCKS Server Version 1.1.19
- FreeRADIUS Version 1.1.6
- Horde Web-based IMAP framework Version 3.1.4
- InterNetNews Version 2.4.3
- LIBPCAP Packet Capture Library Version 0.9.5
- Libxml Version 2.6.27
- Lynx Browser Version 2.8.6
- Mozilla Firefox Version 2.0.0.6
- Mozilla Seamonkey Version 1.1.4
- Mozilla Thunderbird Version 2.0.0.5
- MySQL Version 5.0.37
- OpenLDAP Version 2.3.32
- PHP Hypertext Preprocessor for Apache Version 4.4.7
- PostgreSQL Relational Database Management System Version 8.2.4
- Python Programming Language Version 2.5
- Samba File and Print Server Version 3.0.25
- sendmail Version 8.14.1
- Snort intrusion detection system Version 2.6.1.4

- Squid Proxy/Caching Server Version 2.6.STABLE9
- TIN News Reader Version 1.8.2
- UDDI Client Libraries in Java (UDDI4J) Version 2.0.5
- University of Washington IMAP4 Mail Server Version 2006f.379-IX
- Xalan Stylesheet Processor for C++ Version 1.10.0
- Xalan XSLT Stylesheet Processor for Java Version 2.7.0
- Xerces XML parser for C++ Version 2.7.0
- Xerces XML parser for Java Version 2.9.0

## 1.3 Evaluation Software

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

- SeaMonkey

SeaMonkey is an integrated suite of Internet applications developed by the Mozilla Organization. It includes a Web-browser, advanced e-mail and newsgroup client, IRC chat client, and HTML editing.

More information about this project is available from the Mozilla Web site:

<http://www.mozilla.org/projects/seamoney/>

- 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.

- 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 Administration.

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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>

## 1.4 Source tar File Collection for Internet Express Version 6.7

The `source-tar` directory contains the source code for Open Source components installed by Internet Express Version 6.7.

Table 1-1 lists the `tar` source files for the Internet Express Version 6.7 components.

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

<b>Component</b>	<b>Name of tar File</b>
analog Version 6.0	analog6.0.tar.Z
Apache Version 2.2.4 (includes auth_ldap, mod_fastcgi, mod_ssl, and open_ssl)	apache_2.2.4.tar.Z
Apache Version 1.3.37	apache_1.3.37.tar.Z
Apache Axis Web Services Version 1.4	axis-1_4-src.tar.gz
Apache/Jakarta Tomcat Version 5.5.23	<ul style="list-style-type: none"><li>• jakarta-tomcat-5.5.23.tar.gz</li><li>• jakarta-tomcat-5.5.23-src.tar.gz</li></ul>
Apache Struts Java application framework Version 1.3.8	struts-1.3.8.tar.Z
Batik Java-based toolkit for Scalable Vector Graphics Version 1.6	<ul style="list-style-type: none"><li>• batik-src-1.6.tar.gz</li><li>• batik-src-1.6.zip</li></ul>
BIND Domain Name System Version 9.3.4-P1	bind9.3.4-P1.tar.Z
bogofilter Version 1.1.5	bogofilter-1.1.5.tar.Z
Calamaris Squid log file analysis tool Version 2.99.4.0	calamaris-2.99.4.0.tar.Z
Clam AntiVirus Mail Filter Version 0.90.3	clamav-0.90.3.tar.Z
Clam AV Mail Filter Interfacing Program Version 2.5.1	amavisd-2.5.1.tar.Z
Cyrus IMAP Version 2.3.8	cyrus-imapd-2.3.8.tar.Z
Cyrus SASL Library Version 2.1.22	cyrus-sasl-2.1.22.tar.Z
Cocoon Web Publishing Framework Version 2.1.10	cocoon-2.1.10-src.tar.gz
Dante SOCKS Server Version 1.1.19	dante-1.1.19.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
FreeRADIUS Version 1.1.6	freeradius-1.1.6.tar.Z
GnuPG secure communication tool Version 1.4.7	gnupg-1.4.7.tar.Z
Horde Web-based IMAP framework Version 3.1.4, IMP Web-based IMAP client Version 4.1.1, and Turba Addressbook/Contact Manager Version 2.1.1	horde-imp-4.1.1.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 2.4.3	inn-2.4.3.tar.Z
LIBPCAP Packet Capture Library Version 0.9.5	libpcap-0.9.5.tar.Z
Libxml Version 2.6.27	libxml2-sources-2.6.27.tar.gz
Lynx Browser Version 2.8.6	lynx-2.8.6.tar.Z
Majordomo Mailing List Server Version 1.94.5	majordomo-1.94.5.tar.Z
Mailman — GNU Mailing List Management System Version 2.1.9	mailman-2.1.9.tar.Z
Mozilla Firefox Version 2.0.0.6	firefox-2.0.0.6-src.tar.gz
Mozilla Thunderbird Version 2.0.0.6	thunderbird-2.0.0.6.tar.gz
MySQL Version 5.0.37	mysql-5.0.37.tar.Z

**Table 1-1 Open Source Software Source Files for Internet Components** *(continued)*

<b>Component</b>	<b>Name of tar File</b>
OpenLDAP Version 2.3.32	openldap-2.3.32.tar.Z
OpenSLP Version 1.0.11	openslp-1.0.11.tar.Z
Perl Version 5.8.8	perl-5.8.8.tar.Z
PHP Hypertext Preprocessor for Apache Version 4.4.7	php-4.4.7.tar.Z
PJA (Pure Java AWT Toolkit) Version 2.5	pja_2.5.zip
Pine and Pico Version 4.64	pine-4.64.tar.Z
poppassd Password Changing Server	poppassd.tar.Z
PostgreSQL Relational Database Management System Version 8.2.4	postgresql-8.2.4.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 2.5	python-2.5.tar.Z
Enhanced Qualcomm POP Server Version 4.0.8	pop-4.0.8.tar.Z
Samba File and Print Server Version 3.0.25	samba-3.0.25.tar.Z
sendmail Version 8.14.1	sendmail-8.14.1.tar.Z
Squid Proxy/Caching Server Version 2.6.STABLE9	squid-2.6.STABLE9.tar.Z
Snort intrusion detection system Version 2.6.1.4	snort-2.6.1.4.tar.Z
TCP Wrapper Version Version 7.6	tcpwrapper_7.6.tar.Z
TIN News Reader Version 1.8.2	tin-1.8.2.tar.Z
UDDI Client Libraries in Java (UDDI4J) Version 2.0.5	uddi4j-src-2_0_5.zip
University of Washington IMAP4 Mail Server Version 2006f.379-IX	uw-imap-2006f.tar.Z
Xalan Stylesheet Processor for C++ Version 1.10.0	Xalan-C_1_10_0-src.tar.gz
Xalan XSLT Stylesheet Processor for Java Version 2.7.0	<ul style="list-style-type: none"> <li>• xalan-j_2_7_0-bin.tar.gz</li> <li>• xalan-j_2_7_0-src.tar.gz</li> </ul>
Xerces XML parser for C++ Version 2.7.0	xerces-c-src2_7_0.tar.gz
Xerces XML parser for Java Version 2.9.0	<ul style="list-style-type: none"> <li>• Xerces-J-bin.2.9.0.tar.gz</li> <li>• Xerces-J-src.2.9.0.tar.gz</li> <li>• Xerces-J-tools.2.9.0.tar.gz</li> </ul>

## 1.5 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.

## 1.6 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.

## 1.7 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>

## 1.8 Installation Requirements

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

### 1.8.1 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.

### 1.8.2 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.

## 1.9 Administration Utility Web Browser Requirement

You access the administration servers from a graphical Web browser. For Internet Express Version 6.7, use Firefox Version 1.5.0.9 or later, or Microsoft Internet Explorer Version 6.0 or later.

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

## 1.10 LDAP Client Usage Information Added

For Internet Express Version 6.6, the *Administration Guide* has been updated to include usage information and tips for the LDAP client. See Chapter 4 of the *Administration Guide*.

## 1.11 Best Practices Documents Archived

Previous versions of Internet Express included a set of Best Practices documents in the Documentation Bookshelf. These documents are no longer being updated, and have been removed from the kit.

The Internet Express Best Practices documents for previous releases are available at the Tru64 UNIX publications Web site:

[http://h30097.www3.hp.com/docs/best\\_practices/](http://h30097.www3.hp.com/docs/best_practices/)



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## 2 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*
- *QuickSpecs*
- *Software Description and Licensing Terms*
- *Reference Pages*

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

### 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.

### 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
```

### Reading Documentation from the Internet Express Installation and Documentation 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.

## Reading Reference Pages for Internet Express Components

Reference pages for Open Source Internet Solutions 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* options; 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)*.

## 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.

## 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.