iPlanet Web Server, Enterprise Edition 4.1 SP2 Release Notes

Announcement

The following information is for version 4.1.2 of the iPlanet Web Server,
Enterprise Edition on an HP 9000 system. The iPlanet Web Server, Enterprise
Edition is an Internet standards-based web server that connects employees,
customers, and partners to an organization's information and network-based
applications and provides powerful information management services for
leveraging existing resources.

These release notes contain the following information:

        What's in This Version
        Known Problems and Workarounds
        Compatibility Information and Installation Requirements
        Patches and Fixes in This Version
        Software Availability in Native Languages

What's in This Version

The following support has been added in the 4.1 SP2 release:
        - JSP 1.1
        - Servlets 2.2
        - JSP custom tag library

In addition, several performance, security, and functional
enhancements have been added.

For changes to this release over version 4.0, and more detailed
information about the new enhancements for version 4.1 SP2, go to the url:
http://docs.iplanet.com/docs/manuals/enterprise/41/rn41sp2.htm

Known Problems and Workarounds
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iPlanet Web Server, Enterprise Edition (formerly Netscape Enterprise Server)

Netscape Support

        Netscape Communications Corporation provides a web page for technical
        support of its server products and the Netscape Navigator. The URL is:
        http://help.netscape.com.

Setting the maxdsiz Kernel Parameter
        If the server receives close to 900 requests per second or if the server

dies frequently, set the maxdsiz kernel parameter to 100K.

Default Server User Name

        When installing the server, do NOT use the default value nobody as the
        server user name. The user nobody ships with a negative user ID in the
        HP-UX /etc/passwd file and, if used, will generate an error during
        installation. Also, to avoid compromising the security of the server,
        do not use the user ID bin.

        HP strongly recommends choosing a dedicated user account for the server
        with the appropriate permissions specified. Use this name as the value
        for the Server User name during installation.

Administration Server Login

        To access the Netscape Administration Server, HP recommends that you use
        the User ID root and the system's root password.

Netscape and Microsoft Compatibility

        The Netscape Administration Server does not work with the Microsoft
        Internet Explorer.

User www

        Before installing the iPlanet Web Server, Enterprise Edition, be sure
        that user www exists on your system.

        Type grep www /etc/passwd. If no output is returned, append the
        following line to your /etc/passwd file:
        www:*:30:1::/:

    NOTE

Hewlett-Packard does not support the programs, scripts, or files developed by a
customer using CGI, HTML, server-parsed HTML, Java, JavaScript, NSAPI,
PERL, or SPAPI.

However, Hewlett-Packard does support the CGI, HTML,
server-parsed HTML, Java, JavaScript, PERL, NSAPI, and SPAPI components
that are provided as part of the HP Domain Software or Netscape product that
are supplied and developed by Hewlett-Packard.

If you suspect that there is a problem with the product while you are running
your CGI, HTML, server-parsed HTML, Java, JavaScript, NSAPI, PERL, or SPAPI
programs, scripts, or files, isolate the problem in your code. You will need
to submit a portion of this code (which includes where the problem occurs)
when you contact your Hewlett-Packard support representative.

Netscape Communicator

Root Certificate Authority

        If the root CA certificate for your browser expires, go to the

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        URL https://www.verisign.com/server/prg/browser/root.html
        for information on how to install a current root CA certificate.

Installing the Latest Version to Administer Your Netscape Server

        If you installed your Netscape Server prior to this release, you can
        download the latest version of the Netscape Communicator for
        administering your Netscape server from
        http://software.hp.com
        or you can install it from the current application CD.

Microsoft Internet Explorer
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Netscape and Microsoft Compatibility

        The Netscape Administration Server does not work with the Microsoft
        Internet Explorer.



Compatibility Information and Installation Requirements
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Hardware Requirements
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        HP 9000 Computer System
        64 MB minimum memory
        150 MB minimum disk space
        CD-ROM drive to load the software (not required if you order the
              software factory integrated)

Operating System Requirements
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HP-UX 11.0 or 11.11


Other Requirements
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Long filenames

Swap space
        Netscape recommends configuring 2 MB of swap space per
        process for each server.

Server user account
        The user the Netscape server runs as. Do not use
        the nobody or bin user ID. The server user should not be the superuser
        and it should have restricted access to your system resources. Enter
        this information during the installation of your Netscape server when
        prompted for the Server User. The Server User is not the same as the
        server access user (the server access user is the user name used to
        access the Netscape Administration Server).
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Installation Requirements

        - Root login to run Netscape's setup script.

        - When swinstalling a Netscape Server, DNS (the Domain Name Server) must
          be up and running. Otherwise the Administration Server will not be
          properly configured and will not start.

          If you have swinstalled one or more Netscape Servers and DNS was not
          running, you must edit the
          /opt/ns- servername /admin-serv/config/ns-admin.conf
          file for each server as follows:

        1. To the Addresses line, add an IP address or a list of IP addresses.
        2. To the Hosts line, modify the domain name if it is incorrect.

        - The Netscape Enterprise Server requires that the user www exists on
           your system before installing the software. Refer to the section
           "iPlanet Web Server, Enterprise Edition" earlier in these release
           notes for more information.

Other Installation Information

Server Safety

        The Netscape Enterprise Server allows any SSL-compatible client to
        authenticate the server to allow encrypted information between client
        and server. To enhance your knowledge about Internet security and
        maintaining the integrity of your environment, Netscape Communications
        Corporation provides the following document as a reference:

        "Securing Internet Information Servers" from the Computer Security
        Technology Center at Lawrence Livermore National Laboratory
        (ftp://ciac.llnl.gov/pub/ciac/ciacdocs/ciac2308.txt).

Certificate Services
        To operate in encrypted mode, the iPlanet Web Server, Enterprise Edition
        requires a digitally signed certificate from a Certification Authority
        (CA). Certification is a fee-based service. To obtain a certificate,
        submit a Certificate Request to a CA (for example, VeriSign Inc.).

        For more information, use Netscape's on-line help under the Encryption
        section of the Server Manager.

Manuals

        The iPlanet Web Server, Enterprise Edition manuals are available at
        the URL
        http://docs.iplanet.com/docs/manuals/enterprise.html

Exportable and US/Canada Versions of the Software

        The exportable version of the software supports the following

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        encryption options:

SSL 2.0 Ciphers         SSL 3.0 Ciphers
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40-bit RC2              40-bit RC2 with MD5 message authentication
40-bit RC4              40-bit RC4 with MD5 message authentication

        The US/Canada version of the software supports the following encryption
        option:

SSL 2.0 Ciphers         SSL 3.0 Ciphers
40-bit RC2              40-bit RC2 with MD5 message authentication
128-bit RC2
40-bit RC4              40-bit RC4 with MD5 message authentication
128-bit RC4             128-bit RC4 with MD5 message authentication
56-bit DES              56-bit DES with SMA message authentication
64-bit DES
192-bit DES
168-bit Triple DES      168-bit Triple DES with SMA message authentication
```

Installing the iPlanet Web Server, Enterprise Edition

To install the Netscape Enterprise Server version 4.1 SP2, do the following:

1.   As root, run swinstall to install the software.

2.   Change to /opt/iws-enterprise412

3.   Type: gunzip - < hp-iws412.tar.gz | tar xf -

4.   As root run Netscape's "./setup".
        a.   Accept the License Agreement.
        b.   Choose "Typical Installation".
        c.   Select the install location as /opt/iplanet
        d.   Select "All" (Webserver Components).
        e.   Select the default (installation packages).
        f.   Select the default (hostname).
        g.   Select system user as "www" and group as "other".
        h.   Select the default (iWS administration server as "root").
        i.   Select the default (iWS Admin Server User Name as "admin").
        j.   Select a password.
        k.   Select the Admin Server port.
        l.   Select a web-server port (for the first web-server).
        m.   Select the default (if you do not wish to use LDAP).
        n.   Select the WebServer Content Root.
        o.   Specify your own JDK (otherwise you'll have to use the default
                    one provided in the package).
        p.   Select the default for the JDK library path.
        q.   Select the default for the JDK CLASSPATH.
        r.   Start the admin server using the command:
                /opt/iplanet/startconsole

For additional information, refer to iPlanet's online Server Installation
& Migration Guide located at:
http://docs.iplanet.com/docs/manuals/enterprise.html

Upgrading Your Software
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iPlanet provides information about migration issues for iPlanet Web Server,
Enterprise Edition at: http://docs.iplanet.com/docs/manuals/enterprise.html

Patches and Fixes in This Version
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Patches
To determine all patches applied to your system, type
swlist -l file | grep PH

Install the following patches on your HP-UX system:

Patch Number   Platform   Automatic   Description
                                     Reboot?
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PHCO_21187   Workstation/Server   N   11.0 cumulative SAM/ObAM patch
PHCO_19666   Workstation/Server   N   11.0 libpthreads cum. patch
PHCO 20765   Workstation/Server   N   11.0 libc cumulative patch
PHCO_20882   Workstation/Server   N   11.0 fsck_vxfs(1M) cum. patch
PHKL_18543   Workstation/Server   Y   11.0
PM/VM/UFS/async/scsi/io/DMAPI/JFS/perf patch
PHKL_20016   Workstation/Server   Y   11.0 2nd CPU not recognized
PHKL_20079   Workstation/Server   Y   11.0 VxFS process hang
PHKL_21003   Workstation/Server   Y   boot,JFS,IO perf,PA8600,3Gb
data,NFS,bcache
PHNE_20008   Workstation/Server   Y   11.0 cumulative STREAMS patch
PHNE_21767   Workstation/Server   Y   11.0 cum. ARPA Transport patch
PHSS_21906   Workstation/Server   N   11.0 HP aC++ runtime libraries

Patches can be obtained from the IT Resource Center web page at
the URL http://us-support.external.hp.com/.

1. To download patches, go to the Patch Database at the IT Resource Center
   website at:
   http://us-support.external.hp.com/
   (European users select "European site".

2. Select the link "Individual Patches".

3. Select the link "Retrieve a Specific Patch" and enter a patch number.
   (This process will redirect you to a new patch if a patch has been
superceded.)

4. Read the information about the patch to ascertain any
   dependencies.

Refer to iPlanet's's release notes at the URL:
http://docs.iplanet.com/docs/manuals/enterprise.html
for additional patch information.

Software Availability in Native Languages

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There is no information on non-English languages for the Netscape Enterprise
Server.

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