Release Notes for iPlanet Unified Development Server (UDS)

Version 5.0, SP1

Updated December 7, 2001

These release notes contain important information available at the time of the release of iPlanet Unified Development Server, Version 5.0, SP1 (UDS). Information on significant updates, known problems, fixed bugs, and other issues are addressed here. Read this document before you begin using this release of UDS.

These release notes contain the following sections:

- "General Information"
- "Supported Systems and Software"
- "Updates in UDS, Version 5.0, SP1"
- "Bugs Fixed in UDS, Version 5.0, SP1"
- "Known Problems"
- "UDS Distribution Files"
- "How to Report Problems"
- "For More Information"

General Information

UDS Version 5.0, SP1 contains fixes for problems that were found with iPlanet Unified Development Server, Version 5.0. This release is available to all currently supported customers through iPlanet's SubscribeNet service and will be shipped to new customers. New customers who want access to this release, please contact iPlanet sales.

The distribution for this release includes the following:

- UDS Version 5.0, SP1

- UDS Express Version 5.0, SP1

- UDS Web Enterprise Version 5.0, SP1

- UDS Runtime Version 5.0, SP1

- UDS Version 5.0 documentation

Changes in Distribution Format

The format for the distribution files has changed for this release. The section in this document, "UDS Distribution Files," provides information on how to prepare the downloaded distribution files for installation.

Note: UDS for the OS/390 platform is only available on IBM 3490 tape media. The SubscribeNet web site contains information about obtaining the UDS for the OS/390 distribution.

Supported Systems and Software

UDS Version 5.0, SP1 has been certified for specific combinations of hardware, operating systems, and third party software, as described in the platform matrix available at the following location:

```
http://docs.iplanet.com/docs/manuals/uds.html#matrix
```

Support for SOAP v1.1

UDS Version 5.0, SP1 conforms with SOAP v1.1, as defined by the W3C (http://www.w3.org/TR/2000/NOTE-SOAP-20000508), with some limitations.

Limitations include issues such as interoperability with systems that require or prohibit type specifications and support for arrays, unsigned integers, and In-Out parameters. For more information on SOAP support in UDS Version 5.0, SP1, including information on possible workarounds for some limitations, refer to the iPlanet Knowledge Base article 7655, available at:

```
http://knowledgebase.iplanet.com/ikb/kb/articles/7655.html
```

Updates in UDS, Version 5.0, SP1

This section lists the following significant updates that are included with iPlanet Unified Development Server, Version 5.0, SP1.

- "Windows XP Support"
- "Full Unicode Codeset Support"
- "Character Encoding Support for XML APIs"

Windows XP Support

Support for Microsoft Windows XP Professional has been added for this release. This support is limited to the Windows XP Professional Edition and certification is only for UDS runtime and development clients. Refer to the platform matrix for complete information on supported systems and software.

Full Unicode Codeset Support

iPlanet Unified Development Server Version 5.0, SP1 provides full Unicode codeset support. UDS partitions can now run using the UTF-8 codeset. This release provides 31 new files for UTF-8 locales to support date, time, and monetary formats used in most countries.

This allows all UDS partitions, including iPlanet Integration Server EAI proxies and process engines, to use UTF-8 everywhere for character data representation.

The new locales provided with this release are:

Table 1   New locales provided with UDS Version 5.0, SP1

da_DK.utf8	es_MX.utf8	ms_MY.utf8
de_CH.utf8	fi_FI.utf8	nl_BE.utf8
de_DE.utf8	fr_BE.utf8	nl_NL.utf8
en_AU.utf8	fr_CA.utf8	no_NO.utf8
en_CA.utf8	fr_CH.utf8	pt_PT.utf8
en_GB.utf8	fr_FR.utf8	ru_RU.utf8
en_HK.utf8	is_IS.utf8	sv_SE.utf8
en_MY.utf8	it_IT.utf8	zh_CN.utf8
en_SG.utf8	iw_IL.utf8	zh_HK.utf8
en_US.utf8	ja_JP.utf8	zh_TW.utf8
es_ES.utf8	ko_KR.utf8	

For details on locale support in UDS, refer to the iPlanet Knowledge Base article 7737, available at:

```
http://knowledgebase.iplanet.com/ikb/kb/articles/7737.html
```

Character Encoding Support for XML APIs

UDS Version 5.0, SP1 adds support for a wider variety of character encodings for XML documents. The XML APIs for the XMLParser, XMLDOM2, and XMLSAX2 libraries now support all of the encodings supported by UDS plus UTF-16.

Documentation for character encoding support is available from the UDS online help. After opening the online help, search in the index for "Character Encoding Support."

For more information on the XML parser and XSL processor in UDS, refer to the iPlanet Knowledge Base article 7717, available at:

```
http://knowledgebase.iplanet.com/ikb/kb/articles/7717.html
```

For further details on character encoding support in UDS, refer to the iPlanet Knowledge Base article 7737, available at:

```
http://knowledgebase.iplanet.com/ikb/kb/articles/7737.html
```

Bugs Fixed in UDS, Version 5.0, SP1

Below is a short description of critical bugs fixed (or otherwise resolved) in UDS, Version 5.0, SP1.

Table 2   Bug Fixed in UDS Version 5.0, SP1

Number	Category	Description
31315	Display	After modifying a message catalog, switching back to locale puts "garbage" characters in messages.
31357	System Management	fcompile can fail when processing a bom file of 500 or more files.
41774	System Management	Under OpenVMS, using fcompile in batch mode does not generate output errors.
54413	Web HTML Projects	The ExpressClassHandler.HandleTag can cause poor performance when accessed by multiple clients.
54680	Database	Error message "Informix SQLSTATE: IX000, Informix error: -479" generated processing long queries in Informix 9.2.
54772	Framework	Automatic cloning of classes can lose public internal methods in the newly cloned class.
55159	System Management	Compiling a workspace before a save operation on the workspace is complete can cause the IDE to hang.
55337	System Management	Interpreted server partitions can crash when accessed by a large number of clients.
55339	System Management	On OS/390 platforms, running start_nodemgr with out specifying "-fnd flag" can cause the start_nodemgr process to time out.
55382	Display	The version number displayed in the Help>About iPlanet UDS box needs to be updated.
55427	Runtime	Processing a UTF-8 document that contains a UTF-8 encoded version of the Unicode byte order mark can cause a segmentation fault.
55445	Display	The Help>About iPlanet UDS box displays an incorrect product name and there are minor errors in the Splash screen.
55451	Installation	Server node installations on Windows platforms are missing the FORTE_ROOT\userlib directory.
55452	Display	The Application Launcher's System tab needs to be updated to use the current naming conventions for UDS.

Table 2   Bug Fixed in UDS Version 5.0, SP1 *(Continued)*

Number	Category	Description
55476	External Systems	The OLE library shipped with UDS 5.0.0 was invalid.
55514	Installation	The Windows uninstaller does not remove references in the registry to the name service and repository service.
55530 55757	Installation	The license agreement needs to be updated and some minor typos fixed.
55544	Runtime	Forte app hung after opening and closing (spawning) tasks repeatedly under Japanese Windows 95/98 with IME (Input Method Editor).
55544	Runtime	Applications hang after opening and closing (spawning) tasks repeatedly under Japanese Windows 95/98 with IME (Input Method Editor).
55573 55619	Runtime	Starting an iIS process engine can cause a segmentation or access violation in the Forte executable.
55576	Runtime	Importing pex files that contain extremely long lines causes a segmentation fault.
55590	External Systems	Enhancement request for ONC socket support that allows the listener queue length to be set using an environment variable.
55592	External Systems	For Windows platforms, ole.lib is not in FORTE_ROOT\userlib and partitions including OLE do not compile.
55689	Runtime	Importing a pex file can cause a segmentation fault because memory hasn't been allocated for a system font object.
55694	External Systems	GenerateXMLServerJava creates non-conforming appdist\envname subdirectory if the environment name is greater than eight characters.
55706	Runtime	Problem setting the partition thread package so an application can run on multiple platforms.
55710	External Systems	The Microsoft RichTextBox v 6.0 ActiveX field does not recognize the initial click by a user.
55769	Runtime	For VMS-DECNET, there are not enough communication channels available.
55861	Installation	On some UNIX platforms, the UDS installer cannot determine if DB2 is installed when the DB2 directory is a symbolic link, and thus terminates before completing the installation.
55881	Display	On Windows 98, menus options with child options do not always display the correct child options.

Table 2 Bug Fixed in UDS Version 5.0, SP1 *(Continued)*

Number	Category	Description
55899	Web Service Interface	Client IP addresses that contain a 0 get corrupted by the Web service object.
55907	Display	Mnemonic access keys for submenu items do not work.
55925	System Management	Enhancement request to add Econsole and Escript to UDS runtime distributions so runtime applications can have management utilities.
55952	Installation	Installer for Alpha VMS 7.3 platform, during pre-installation check, searches for incorrect version of DECWindows runtime libraries.
56009	Display	Mnemonic access keys in locales with multi-byte character sets fail, causing UDS to crash.
56030	Runtime	Large compiled partitions that run without incident in previous versions of the product now fail with UDS 5.0. The partition compiles fine, but cannot be loaded.
56080	Runtime	The unknown encoding handler for the XML parser is not being initialized correctly, causing a segmentation fault.
56097	Display	Typeface error (SYSTEM ERROR: '0' is not a legal value for the TypeFace parameter) occurs on Window classes that access fonts that are not available.
56108	Runtime	If you run an application that uses HTTPBaseRequest.Send from the workshop, canceling the running application can cause a segmentation fault.
56195	Web HTML Projects	An HTMLScannerException occurs when navigating from master page to detail page

Known Problems

This section lists known problems with this release, suggesting possible workarounds.

Table 3   Known Problems

Bug Number	Details
56084	Econsole may throw an exception when accessing a log file of a partition running with UTF-8 codeset.
	Workaround: You can use any text editor, such as vi, to read the log file.
55759 **56259**	The default thread package (native threads) is not being set for DB2 partitions on Solaris platforms.
	Workaround: The partition workshop incorrectly assigns Forte threads in this situation. To workaround this problem, specify Native threads in the workshop before running autocompile.
56325	On OS/390 (MVS) platforms using DB2, the flag that automatically prefixes the DB username (cfg:18:1) does not prefix the username to the tablename when using the UNION query statement.

UDS Distribution Files

The installation guides provided with this release do not describe how to unpack the distribution files before you begin installing the software. This section describes how to unpack the distribution files and then begin the installation process.

Distribution File Formats

This release is available as a download from iPlanet's SubscribeNet service for currently supported customers and on CD for new customers. The format of the distribution files varies slightly, depending on whether you download the files or receive them on a CD.

Table 4   Distribution Files for UDS

Distribution Source	Details
SubscribeNet	Distributions from SubscribeNet are available according to platform. Each platform contains a single tar (or zip) file that itself contains all the UDS product components for that platform. Extracting the contents of this file produces a tar or zip file for each component. The following section, "Unpacking a UDS Distribution," describes how to extract the distribution files for each product component prior to installation.
CD	New customers to UDS receive a set of UDS distribution CDs. Each UDS product component is in a tar (or zip) file on a separate CD. The following section, "Unpacking a UDS Distribution," describes how to extract the distribution files for each product component prior to installation.

Unpacking a UDS Distribution

The process for unpacking the distribution varies according to the platform.

The following sections provide instructions for unpacking the files into a local directory for each platform. After unpacking the files into a local directory, you can follow the procedures in the installation guides to proceed with installing UDS. The following installation guides are available from the UDS Version 5.0 Documentation distribution:

- iPlanet UDS System Installation Guide

- iPlanet UDS Express Installation Guide

- iPlanet UDS WebEnterprise Installation Guide

Windows Platforms

For Windows platforms, the distribution file is a self-extracting executable file that begins with the prefix "pc_w32_." For example, the self-extracting executable for UDS Runtime is:

```
pc_w32_RTV.exe
```

Execute this file to unpack the distribution to a local directory. After unpacking the file, proceed with the installation, as described in the sections for installing on Windows platforms in the installation guides.

UNIX Platforms

For UNIX platforms, the distribution file is a tape archive (tar) file whose contents must be extracted to a local directory prior to installation. Each UNIX platform has a separate distribution file. For example, the following distribution files are available on the UDS CD:

```
axp_osf_dev.tar (Compaq Tru64 UNIX)
hp_ux_dev.tar (HP 9000)
ibm_aix_dev.tar (IBM RS/6000)
seq_ptx_dev.tar (Sequent)
sun_sol_dev.tar (Sun SPARC)
```

Before extracting the files, make sure you have enough disk space to hold the contents of the tar files. The following table lists the disk space requirements for the contents of the extracted files.

Table 5   UNIX Disk Space Requirements for Extracting Distribution Files

UDS Product Component	UNIX Platform	Disk Space Required (Approx.)
UDS	IBM RS/6000	92 MB
	Other Platforms	80 MB
Runtime Version	IBM RS/6000	46 MB
	Other Platforms	34 MB
Web Enterprise	Compaq Tru64 UNIX IBM RS/6000 HP 9000	62 MB
	Other Platforms	45 MB
Express	All Platforms	7 MB

To extract the installation files, mount the CD and copy the appropriate distribution file for your platform to a local directory. Then use the `tar` command to extract the installation files. For example, on Sun SPARC the command would be:

```
tar xvf sun_sol_dev.tar
```

The extracted files reside in a top-level `CDROM_PlatformName` directory that corresponds to a root directory on a CD image. You can now proceed with the installation, as described in the sections for installing on UNIX platforms in the installation guides.

Compaq Open VMS Platform

For Open VMS, the distribution file is a self-extracting executable file that begins with the prefix "axp_vms_." For example, the self-extracting executable for UDS Runtime is:

```
axp_vms_dev.exe
```

Copy this file from the CD to a local directory and then execute your copy of the file:

```
run axp_vms_dev.exe
```

This unpacks the distribution to your local directory. After unpacking the file, proceed with the installation, as described in the sections for installing on Open VMS in the installation guides.

Documentation Errata

This section provides corrections to significant errors or omissions in the documentation provided for UDS, Version 5.0, SP1.

Documentation References to the Platform Matrix

The *iPlanet UDS System Installation Guide* and other manuals provide an outdated URL to the iPlanet Unified Development Server platform matrix. The correct URL to the platform matrix is:

```
http://docs.iplanet.com/docs/manuals/uds.html#matrix
```

How to Report Problems

If you have problems with UDS, contact iPlanet customer support using one of the following mechanisms:

- iPlanet online support web site at `http://www.iplanet.com/support/`

  This location provides access to the iPlanet Knowledge Base and other tools for tracking problems. It also provides information on contacting technical support and customer service.

- The telephone dispatch number associated with your maintenance contract

So that we can best assist you in resolving problems, please have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation

- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem

- Detailed steps on the methods you have used to reproduce the problem

- Any error logs or core dumps

For More Information

Useful iPlanet information can be found at the following locations:

- iPlanet release notes and other documentation —
  `http://docs.iplanet.com/docs/manuals/`

- iPlanet product status — `http://www.iplanet.com/support/`

- iPlanet Professional Services information —
  `http://www.iplanet.com/services/professional_services_3_3.html`

- iPlanet developer information — `http://developer.iplanet.com/`

- iPlanet learning solutions — `http://www.iplanet.com/learning/`

- iPlanet product data sheets — `http://www.iplanet.com/products/`