Release Notes for iPlanet™ Application Server (iAS EPE)

Enterprise Pro Edition, Version 6.5

Updated November 27, 2002

These release notes contain important information available at the time of the release of iPlanet Application Server, Enterprise Pro Edition, Version 6.5 (iAS EPE). New features and enhancements, known problems, and other information are addressed here. Read this document before you begin using iAS EPE.

An electronic version of these release notes can be found at the Sun™ documentation website: `http://docs.sun.com`. Check the web site after installing your software and periodically thereafter to view the most up-to-date release notes and manuals.

These release notes contain the following sections:

- Document Revision History

- Product Certification of iAS EPE 6.5 Products on iAS EE 6.5 SP1

- General Information

- Supported Systems and Software

- Installation Instructions

- Upgrading to iPlanet Application Server 6.5 SP1

- iAS EPE Sample Application

- Known Problems

- How to Report Problems

- For More Information

Document Revision History

This document has changed since the initial iPlanet Application Server Enterprise Editon 6.5 release.

Table 1 shows the revision history for this document, and lists the affected sections.

Table 1   iAS EPE, 6.5 Release Notes Revision History

Release Date	Affected Sections
August, 2002	Original release of this document
October, 2002	Corrected URL references to Unified Integration Framework product documentation
November 27, 2002	Added the following sections: Document Revision History Product Certification of iAS EPE 6.5 Products on iAS EE 6.5 SP1 Upgrading to iPlanet Application Server 6.5 SP1

Product Certification of iAS EPE 6.5 Products on iAS EE 6.5 SP1

The following iAS EPE 6.5 products have been certified to run on iPlanet Application Server, Enterprise Edition, 6.5 SP1.

- Unified Integration Framework, 6.5

- iPlanet Application Server Enterprise Connectors, 6.5

- iPlanet Process Manager, 6.5

Refer to the Release Notes for each product for information specific to operation with iAS EE, 6.5 SP1. Each Release Note document should contain a revision history table similar to the one included in this document.

General Information

iPlanet Application Server, Enterprise Pro Edition, Version 6.5 contains the following bundled iPlanet products:

- iPlanet Web Server Enterprise Edition 6.0 SP2

- iPlanet Application Server Enterprise Editon 6.5

- iPlanet Process Manager 6.5

- Unified Integration Framework 6.5

    It is important to follow the installation instructions for each component of iAS EPE carefully. Read the release notes for each individual product prior to installation.

You can locate the release notes and manuals for each bundled product at the following URLs:

- iPlanet Web Server Enterprise Edition 6.0 SP2

    `http://docs.sun.com/coll/S1_ipwebsrvree60sp2_en/`

- iPlanet Directory Server 5.1

    `http://docs.sun.com/coll/S1_ipDirectoryServer_51/`

- iPlanet Application Server Enterprise Editon 6.5

    `http://docs.sun.com/coll/S1_ipappsrvree65_en/`

- iPlanet Process Manager 6.5

    `http://docs.sun.com/coll/S1_ProcessManager_65/`

- Unified Integration Framework 6.5

    `http://docs.sun.com/prod/s1.entconn65`

Supported Systems and Software

The following operating systems and software are supported with this release of iAS EPE. If you are running non-supported versions of these products, you must upgrade to a supported version.

Table 2   Supported Operating Systems and Software

Product Type	Supported Versions
Operating Systems	Solaris™ 2.6, 2.8
	Windows NT, SP6A
	Windows 2000 Advanced Edition
	Windows 2000 Server Edition SP2
	Windows 2000 Professional Edition
Web Servers	iPlanet Web Server, Enterprise Edition 4.1, SP 7
	iPlanet Web Server, Enterprise Edition 6.0, SP1
	iPlanet Web Server, Enterprise Edition 6.0, SP2B
Directory Servers	iPlanet Directory Server 5.0, SP1
	iPlanet Directory Server 5.1
Application Server	iPlanet Application Server Enterprise Edition 6.5 Maintenance Update 2 (MU2)[1]
Database Servers and Clients	Oracle 8.1.6, 8.1.7, 9i Servers, Oracle 8.1.7, 9i Clients
	Sybase 11.9.2, 12 Servers, Sybase Open/Client System 12
	Informix 9.2 Server, Informix SDK 2.7 UC3 Client
Third-party JDBC Drivers	Oracle 8.1.7: Type 2 and Type 4
	Sybase jConnect for JDBC 5.2 Type 4
	Informix JDBC v2.1 Type 4
Web Browsers	Netscape 4.7x
	Microsoft Internet Explorer 5.x, 6.0

1. The iPlanet Application Server 6.5 Maintenance Update 2 is shipped only to customers who have purchased iPlanet Application Server, Enterprise Pro Edition 6.5. For more information about this Maintenance Update patch, see the section "Required Patches" in the iPlanet Process Manager, 6.5 Release Notes.

Installation Instructions

You may have previously installed versions of any one of the products bundled with this release of iAS EPE on your machine or network, which may or may not affect your installation strategy. The following scenarios can help you to install the products in the correct order. Be sure to follow installation instructions for your particular operating system and read the Release Notes.

NOTE	If you are upgrading to iPlanet Application Server 6.5 SP1, see the following section, Upgrading to iPlanet Application Server 6.5 SP1.

Table 3   Installation Scenario Matrix

Currently Installed Product(s)	To Upgrade to iAS EPE 6.5, Windows or Solaris[1]
None	Scenario 1: Clean Install
iPlanet Application Server 6.0, SPx	Scenario 2: Backup iAS and iPM Applications, Uninstall Previous Versions, and Reinstall
iPlanet Process Manager 6.0, SPx	
iPlanet Application Server 6.5	Scenario 3: iAS Upgrade and iPM Install
No iPlanet Process Manager	

1. UIF and Enterprise Connectors users who do not need to use Process Manager should follow the installation and upgrade instructions described in the UIF and Enterprise Connectors Release Notes and documentation at the following location: `http://docs.sun.com/prod/s1.entconn65`. Process Manager users who do not need to use Enterprise Connectors can skip the UIF installation instructions in the scenarios described in Table 2.

Currently, there is no upgrade path for previous versions of iAS and iPM. If you have installed versions of either iAS 6.0, SPx or iPM 6.0, SPx, you must uninstall these versions and follow "Scenario 2: Backup iAS and iPM Applications, Uninstall Previous Versions, and Reinstall." After installing all necessary software, you must redeploy any previously deployed iAS and iPM applications.

If you have installed iAS EE 6.5, you should follow "Scenario 3: iAS Upgrade and iPM Install."

Scenario 1: Clean Install

Note that it is important to install the bundled software components in the correct order, as follows:

- Install iPlanet Web Server Enterprise Edition 6.0 SP2.

- Install iPlanet Directory Server 5.1, iPlanet Application Server Enterprise Editon 6.5, and iPlanet Process Manager 6.5.

  The Process Manager installation includes a unified install of the Directory Server, the Application Server, and Process Manager. Be sure to read the release notes for each piece of software before installing.

  For detailed installation instructions, see the *iPlanet Process Manager Installation Guide*. Do not use the ezsetup option when installing iPM with iAS. The ezsetup option can only be used for installation of iAS.

- Install Unified Integration Framework 6.5.

  You must install UIF on the same machine or network cluster as the Application Server.

➤ **To perform an Install of iAS EPE**

1. Install iPlanet Web Server Enterprise Edition 6.0 SP2.

    The *iPlanet Web Server 6.0 SP2 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipwebsrvree60sp2_en/`

2. Install iPlanet Directory Server 5.1, iPlanet Application Server Enterprise Editon 6.5, and iPlanet Process Manager 6.5.

    The installation disk for iPM contains a unified install, which includes the installation of the Directory Server, the Application Server, and Process Manager. Make sure to read the release notes for each product before installing.

    The *iPlanet Directory Server 5.1 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipDirectoryServer_51/`

    The *iPlanet Application Server Enterprise Edition 6.5 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipappsrvree65_en/`

    The *iPlanet Process Manager 6.5 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ProcessManager_65/`

3. Install Unified Integration Framework 6.5.

    The *Unified Integration Framework 6.5 Release Notes* and *Developer's Guide* are at the following location: `http://docs.sun.com/prod/s1.entconn65`

The installation instructions for UIF are in the *iPlanet Unified Integration Framework Developer's Guide*. You must install the Unified Integration Framework on the same machine or network cluster as the Application Server.

4. Install any required patches.

The *iPlanet Process Manager 6.5 Release Notes* contain instructions for the installation of additional required patches for Process Manager. See the individual release notes for other bundled products to determine if any other patches are required.

Scenario 2: Backup iAS and iPM Applications, Uninstall Previous Versions, and Reinstall

Note that it is important to install the bundled software components in the correct order, as follows:

- Install iPlanet Web Server Enterprise Edition 6.0 SP2.

- Install iPlanet Directory Server 5.1, iPlanet Application Server Enterprise Editon 6.5, and iPlanet Process Manager 6.5.

  The Process Manager installation includes a unified install of the Directory Server, the Application Server, and Process Manager. Be sure to read the release notes for each piece of software before installing.

  For detailed installation instructions, see the *iPlanet Process Manager Installation Guide*. Do not use the ezsetup option when installing iPM with iAS. The ezsetup option can only be used for installation of iAS.

- Install Unified Integration Framework 6.5.

  You must install UIF on the same machine or network cluster as the Application Server.

➤ **To perform an iAS and iPM Application Backup, Uninstall, and Reinstall**

1. Back up any existing iAS and iPM applications by saving them to a local directory.

Do not delete application information for iPlanet Process Manager applications. The *iPlanet Process Manager 6.5 Release Notes* contain a section called "Migration of iPM 6.0 Application Data to iPM 6.5." The *iPlanet Application Server Migration Guide* contains instructions for migrating Application Server applications.

2. Uninstall iAS and iPM, following the instructions contained in the *Installation Guide* for each product.

3. Uninstall and migrate data for any other bundled product you want to upgrade or replace with this installation.

    This information is generally contained in the Installation Guide or Migration Guide for each product.

4. Install iPlanet Web Server Enterprise Edition 6.0 SP2.

    The *iPlanet Web Server 6.0 SP2 Release Notes* are at the following location:
    `http://docs.sun.com/coll/S1_ipwebsrvree60sp2_en/`

5. Install iPlanet Directory Server 5.1, iPlanet Application Server Enterprise Editon 6.5, and iPlanet Process Manager 6.5.

    The installation disk for iPM contains a unified install, which includes the installation of the Directory Server, the Application Server, and Process Manager. Make sure to read the release notes for each product before installing.

    The *iPlanet Directory Server 5.1 Release Notes* are at the following location:
    `http://docs.sun.com/coll/S1_ipDirectoryServer_51/`

    The *iPlanet Application Server Enterprise Edition 6.5 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipappsrvree65_en/`

    The *iPlanet Process Manager 6.5 Release Notes* are at the following location:
    `http://docs.sun.com/coll/S1_ProcessManager_65/`

6. Install Unified Integration Framework 6.5.

    The *Unified Integration Framework Release Notes* and *Developer's Guide* are at the following location: `http://docs.sun.com/prod/s1.entconn65`

    The installation instructions for UIF are in the *Unified Integration Framework Developer's Guide*. You must install the Unified Integration Framework on the same machine or network cluster as the Application Server.

7. Install any required patches.

    The *iPlanet Process Manager 6.5 Release Notes* contain instructions for the installation of additional required patches for Process Manager. See the individual release notes for other bundled products to determine if any other patches are required.

8. Redeploy iAS and iPM applications and follow migration instructions to connect to application data.

    The *iPlanet Process Manager 6.5 Release Notes* contain a section called "Migration of iPM 6.0 Application Data to iPM 6.5." The *iPlanet Application Server Migration Guide* contains instructions for migrating Application Server applications.

Scenario 3: iAS Upgrade and iPM Install

Perform this upgrade and installation if you already have iPlanet Application Server, Enterprise Edition, 6.5 installed. You do not have to backup deployed iAS applications before performing an iAS upgrade. You should already be using iPlanet Web Server Enterprise Edition 6.0 SP2 and iPlanet Directory Server 5.1 if you are running iPlanet Application Server, Enterprise Edition, 6.5.

➤ **To perform an iAS Upgrade and iPM Installation**

1. Install any required patches.

   The *iPlanet Process Manager 6.5 Release Notes* contain instructions for the installation of additional required patches for Process Manager. See the individual release notes for other bundled products to determine if any other patches are required.

2. Install iPlanet Process Manager 6.5 components.

   Follow the instructions in the *iPlanet Process Manager Installation Guide,* at the following location: `http://docs.sun.com/coll/S1_ProcessManager_65/`.

3. Install Unified Integration Framework 6.5.

   The *Unified Integration Framework 6.5 Release Notes* and *Developer's Guide* are located at the following URL: `http://docs.sun.com/prod/s1.entconn65`

   The installation instructions for UIF are in the *Unified Integration Framework Developer's Guide*. You must install the Unified Integration Framework on the same machine or network cluster as the Application Server.

Upgrading to iPlanet Application Server 6.5 SP1

You may have previously installed versions of any one of the products bundled with this release of iAS EPE on your machine or network, which may or may not affect your installation strategy. The following scenarios can help you to install the products in the correct order. Be sure to follow installation instructions for your particular operating system and read the Release Notes.

Table 4   Upgrade Installation Scenarios

Currently Installed Products	To Upgrade to iAS EPE 6.5 SP1, Windows or Solaris
iPlanet Application Server 6.0 SPx iPlanet Process Manager 6.0 SPx	Scenario 4: Backup iAS and iPM Applications, Uninstall Previous Versions, and Reinstall

Table 4   Upgrade Installation Scenarios *(Continued)*

Currently Installed Products	To Upgrade to iAS EPE 6.5 SP1, Windows or Solaris
iPlanet Application Server 6.5	Scenario 5: iAS Upgrade
iPlanet Process Manager 6.5	

Scenario 4: Backup iAS and iPM Applications, Uninstall Previous Versions, and Reinstall

Note that it is important to install the bundled software components in the correct order, as follows:

- Install iPlanet Web Server Enterprise Edition 6.0 SP2.

- Install iPlanet Directory Server 5.1, iPlanet Application Server Enterprise Editon 6.5 SP1.

  The Application Server 6.5 SP1 installation program includes a unified install of the Directory Server and the Application Server. Be sure to read the release notes for each piece of software before installing.

- Install iPlanet Process Manager 6.5 using the iAS EPE 6.5 CD.

  Select only the iPlanet Process Manager 6.5 components during installation. For detailed installation instructions, see the *iPlanet Process Manager Installation Guide*.

- Install Unified Integration Framework 6.5.

  You must install UIF on the same machine or network cluster as the Application Server.

➤ **To perform an iAS and iPM Application Backup, Uninstall, and Reinstall**

1. Back up any existing iAS and iPM applications by saving them to a local directory.

    Do not delete application information for iPlanet Process Manager applications. The *iPlanet Process Manager 6.5 Release Notes* contain a section called "Migration of iPM 6.0 Application Data to iPM 6.5." The *iPlanet Application Server Migration Guide* contains instructions for migrating Application Server applications.

2. Uninstall iAS and iPM, following the instructions contained in the *Installation Guide* for each product.

3. Uninstall and migrate data for any other bundled product you want to upgrade or replace with this installation.

    This information is generally contained in the Installation Guide or Migration Guide for each product.

4. Install iPlanet Web Server Enterprise Edition 6.0 SP2.

   The *iPlanet Web Server 6.0 SP2 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipwebsrvree60sp2_en/`

5. Install iPlanet Directory Server 5.1 and iPlanet Application Server Enterprise Editon 6.5 SP1.

   The Application Server installation program contains a unified install, which includes the installation of the Directory Server, and the Application Server. Read the release notes for each product before installing.

   The *iPlanet Directory Server 5.1 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipDirectoryServer_51/`

   The *iPlanet Application Server Enterprise Edition 6.5 SP1 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipappsrvree65_en/`

6. Install iPlanet Process Manager 6.5 using the iAS EPE 6.5 CD.

   Select only the iPlanet Process Manager 6.5 components during installation. For detailed installation instructions, see the *iPlanet Process Manager Installation Guide*.

   The *iPlanet Process Manager 6.5 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ProcessManager_65/`

7. Install Unified Integration Framework 6.5.

   The *Unified Integration Framework Release Notes* and *Developer's Guide* are at the following location: `http://docs.sun.com/prod/s1.entconn65`

   The installation instructions for UIF are in the *Unified Integration Framework Developer's Guide*. You must install the Unified Integration Framework on the same machine or network cluster as the Application Server.

8. Redeploy iAS and iPM applications and follow migration instructions to connect to application data.

   The *iPlanet Process Manager 6.5 Release Notes* contain a section called "Migration of iPM 6.0 Application Data to iPM 6.5." The *iPlanet Application Server Migration Guide* contains instructions for migrating Application Server applications.

Scenario 5: iAS Upgrade

Perform this upgrade if you already have iPlanet Application Server, Enterprise Edition, 6.5 installed with iAS EPE 6.5 bundled products.

You do not have to backup deployed iAS or iPM applications before performing an iAS upgrade. You should already be using iPlanet Web Server Enterprise Edition 6.0 SP2 and iPlanet Directory Server 5.1 if you are running iPlanet Application Server, Enterprise Edition, 6.5.

➤ **To perform an iAS Upgrade**

1. Install the iAS EE, 6.5 SP1 upgrade.

   The instructions for performing an upgrade from iAS EE, 6.5 to iAS EE, 6.5 SP1 are in the *iPlanet Application Server Enterprise Edition, 6.5 SP1 Release Notes* at the following location:

   ```
   http://docs.sun.com/db/coll/S1_65sp1ee
   ```

iAS EPE Sample Application

The iAS EPE Sample Application consists of:

- iPM Application VacationRequest
- UIF Stubbed Connector

The iAS EPE Sample Application provides an example of how a Process Manager application can interact with an Enterprise Information System (EIS) using a custom activity. A Stubbed Connector is shipped with this sample application. The Stubbed Connector simulates a real connector and implements the protocol required by Unified Integration Framework (UIF). It returns hard-coded values for queries made from an iPM application custom activity. You can download this sample application from the following location: `http://developer.iplanet.com/appserver/samples`

The file `GetEmployeeDetails.java`, discussed in the documentation that ships with the sample application, is placed in the following location when you unzip the VacationRequest application:

on NT: `EPE\sampleApp\src\com\iplanet\epe\sample\GetEmployeeDetails.java`

on Solaris: `EPE/sampleapp/src/com/iplanet/epe/sample/GetEmployeeDetails.java`

Known Problems

For known problems related to specific iAS EPE bundled products, please read the release notes for each product.

- The *iPlanet Web Server 6.0 SP2 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipwebsrvree60sp2_en/`

- The *iPlanet Directory Server 5.1 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipDirectoryServer_51/`

- The *iPlanet Application Server Enterprise Edition 6.5 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ipappsrvree65_en/`

- The *iPlanet Process Manager 6.5 Release Notes* are at the following location: `http://docs.sun.com/coll/S1_ProcessManager_65/`

- The *Unified Integration Framework 6.5 Release Notes* are at the following location: `http://docs.sun.com/prod/s1.entconn65`

How to Report Problems

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

- Sun ONE online support web site at `http://www.sun.com/service/sunone/software/index.html`

  From this location, the CaseTracker and CaseView tools are available for logging problems.

- 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 information can be found at the following Internet locations:

- Sun ONE Documentation

  `http://docs.sun.com/`

- Sun ONE Software Products and Service

  `http://www.sun.com/software/`

- Sun ONE Support and Knowledge Base

  `http://www.sun.com/service/sunone/software/index.html`

- Sun ONE Consulting and Professional Services

  `http://www.sun.com/service/sunps/iplanet/`

- Sun ONE Developer Information

  `http://developer.iplanet.com/`

- Sun ONE Software Training

  `http://www.sun.com/software/training/`