Oracle® Internet File System

Release Notes

Release 1.1.10 for Sun SPARC Solaris

May 2001

Part No. A88815-03

Overview

These release notes pertain to the Oracle Internet File System Release 1.1.10 for for Sun SPARC Solaris. This release also ships with Oracle 9*i* Application Server Release 1.0.2.2.

This document contains these topics:

New Features in Oracle iFS Release 1.1.10

Release 1.1.10 of Oracle iFS can be installed against the Oracle 9*i* database or the Oracle8*i* Release 3 (8.1.7) database. For more information, consult "Installation Instructions" on page 3. This release also contains enhancements made for Oracle iFS release 1.1.9, which was a translation release for Release 1.1.6.

Client Certifications

The following client software versions have been tested and certified for the Oracle iFS:

- Netscape:
  - Netscape Communicator 4.72 production release (for FTP, IMAP4, SMTP, HTTP, and the Web interface)
- Microsoft:
  - Microsoft Internet Explorer 5.0 and 5.5 with Outlook Express (for FTP, IMAP4, SMTP, HTTP, and the Web interface)
  - Microsoft Windows NT 4.0 Workstation, or NT Server, Service Pack 6, and higher (for Windows access with SMB and the Windows interface)
  - Microsoft Windows 95
  - Microsoft Windows 98
  - Microsoft Windows 2000 Professional
- Eudora 4.3 for IMAP, SMTP

Installation Instructions

To update an existing installation of Oracle iFS 1.1.6 or later, follow the procedures listed in Instructions for Migrating an Existing Oracle iFS Instance. If this is a new installation of Oracle iFS, begin with instructions in the Instructions for Clean Oracle iFS Installation section.

Instructions for Migrating an Existing Oracle iFS Instance

To migrate from Oracle iFS 1.1.6 and later, take the following pre-configuration steps:

1. Stop all the Protocol Servers using the following script:

   ```
   $ORACLE_HOME/ifs1.1/bin/ifsstop
   ```

2. Backup any custom configuration files you have created. The Oracle iFS Configuration Assistant overwrites protocol configuration files, including any you may have customized. Restore these files after the Configuration Assistant has run successfully.

3. If this installation of Oracle iFS is to run against an Oracle 9i database, the CTXSYS schema needs to be unlocked before the Oracle iFS Configuration Assistant is run. If you do not unlock the schema, the Oracle Text verification performed by the Oracle iFS Configuration Assistant will fail with an error. The error explicitly indicates that the schema is locked. At this point, you could exit the configuration, unlock the schema and then restart the Configuration Assistant.

   To unlock the CTXSYS schema, use the following commands:

   ```
   SQLPLUS 'sys/<SYS_PASSWORD> as sysdba'
   SQL> ALTER USER CTXSYS IDENTIFIED BY <CTXSYS_PASSWORD> ACCOUNT
   UNLOCK;
   ```

   After the Oracle iFS Configuration Assistant completes successfully, use the Oracle Password Management Utility to lock the CTXSYS schema:

   ```
   SQL> ALTER USER CTXSYS IDENTIFIED BY <CTXSYS_PASSWORD> ACCOUNT LOCK;
   ```

4. **Optional E-mail Configuration**

   Oracle iFS provides a mail server for delivery and receipt of e-mails. To enable e-mail delivery, perform the following steps.

   1. Login as the user who installed Oracle iFS.
   2. Make the following change to the `sendmail.cf` file in:

      ```
      $ORACLE_HOME/ifs1.1/admin/templates/admin/email/solaris
      ```

      - Change this line:

```
KdoCheck program <IFS_JRE>/bin/jre
```

- to read:

```
KdoCheck program <IFS_JRE>/bin/java
```

5. Run the Oracle iFS Configuration Assistant by running the following script:

```
$ORACLE_HOME/ifs1.1/bin/ifsconfig
```

6. Perform the post-setup configuration steps in Post Configuration Procedures on page 6.

Instructions for Clean Oracle iFS Installation

The following instructions apply for first-time installations of Oracle iFS. The Standard and Enterprise Editions of Oracle *i*AS 1.0.2.2 both install release 1.1.10 of Oracle iFS automatically. After release 1.1.10 of Oracle iFS is installed, it must be configured before it can be started and used.

NOTE: If Oracle iFS is being installed independently of Oracle 9*i* Application Server, the `ifsconfig` script mentioned in step 3 starts automatically.

1. If this installation of Oracle iFS is to run against an Oracle 9i database, the CTXSYS schema needs to be unlocked before the Oracle iFS Configuration Assistant is run. If you do not unlock the schema, the Oracle Text verification performed by the Oracle iFS Configuration Assistant will fail with an error. The error explicitly indicates that the schema is locked. At this point, you could exit the configuration, unlock the schema and then restart the Configuration Assistant.

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   ```
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   UNLOCK;
   ```

   After the Oracle iFS Configuration Assistant completes successfully, use the Oracle Password Management Utility to lock the CTXSYS schema:

   ```
   SQL> ALTER USER CTXSYS IDENTIFIED BY <CTXSYS_PASSWORD> ACCOUNT LOCK;
   ```

2. **Optional E-mail Configuration**

   Oracle iFS provides a mail server for delivery and receipt of e-mails. To enable e-mail delivery, perform the following steps.

1. Login as the user who installed Oracle iFS.
2. Make the following change to the `sendmail.cf` file in:

   `$ORACLE_HOME/ifs1.1/admin/templates/admin/email/solaris`

   - Change this line:

     `KdoCheck program <IFS_JRE>/bin/`**`jre`**

   - to read:

     `KdoCheck program <IFS_JRE>/bin/`**`java`**

3. To complete the successful installation of Oracle iFS Release 1.1.10, execute the Oracle iFS Configuration Assistant by running the following script:

   `%ORACLE_HOME%/ifs1.1/bin/ifsconfig`

4. As part of the configuration, you can choose to use existing schemas or create new schemas, as explained the Schema Configuration section.

Schema Configuration Configure your schema according to which database release you use as the datastore for this installation of Oracle iFS.

Running Against a 9*i* Database If this instance of Oracle iFS is to use a 9i database as the datastore, the following rules apply:

- To continue using your existing 9i schema, select the "Re-use existing schema" option. Otherwise, select the "Create a new schema."
- If your existing Oracle iFS schema is stored within an 8.1.7 database, the schema needs to be migrated to a 9*i* database *before* this release of the Oracle iFS can be configured to use this schema. After successful migration, run the Oracle iFS configuration assistant and select the "Re-use existing schema" option.

Running Against an 8.1.7 Database If this instance of Oracle iFS is to use an 8.1.7 database as the datastore, the following configuration rules apply:

- The "re-use existing schema" option allows you to continue using your existing 8.1.7-based Oracle iFS schema.
- To create a new schema, select the “Create a new schema” option.

Post Configuration Procedures

To accommodate changes to the Oracle HTTP Server, additional steps need to be taken to configure the iFS servlet.

NOTE: This procedure is necessary only for the Oracle 9i Application Server Release 1.0.2.2.

1. **Configuring the Oracle iFS Servlet**

   1. Stop the Oracle HTTP Server if running by executing the following script from the `$ORACLE_HOME/Apache/Apache/bin` directory.:

      ```
      apachectl.stop
      ```

   2. As the User that installed Oracle iAS, run the `ifsapachesetup` script in the `$ORACLE_HOME/ifs1.1/bin` directory. This script sets up the following Jserv configuration files:

      ```
      jserv.conf
      jserv.properties
      zone.properties
      ```

   3. Perform the following alterations to the `jserv.conf` in the `$ORACLE_HOME/Apache/Jserv/etc` directory:

   - Remove the following line:

     ```
     ApJServMount /ifs/root
     ```

   - Add the following two lines:

     ```
     ApJServGroup ifs1110 1 1 <ORACLE_
     HOME>/Apache/Jserv/etc/jserv.properties

     ApJServGroupMount /ifs balance://ifs1110/root
     ```

2. Run the following script as root to complete the setup:

   ```
   $ORACLE_HOME/ifs1.1/bin/ifssetup
   ```

   After this script runs, Oracle iFS configuration is complete.

3. Re-start the Oracle HTTP server by executing the following script:

   ```
   <ORACLE_HOME>/Apache/Apache/bin/apachectl start
   ```

Accessing Oracle iFS over HTTP

If you are using a browser or using Web Folders (DAV), please use the following URLs for accessing Oracle iFS.

```
http://<server-name>:<port>/ifs/files
```

NOTE: The default port is 7777,

Deprecations in the Oracle iFS Java API

As the Oracle iFS Java API grows to take advantage of new features and technology, certain classes, fields and methods may be deprecated. Customers should expect that these deprecations will be deleted in the following major release. This allows our customers a full release cycle to modify their applications to use the supported classes, fields, and methods.

To see what is deprecated in this release, go to the "Deprecated" link in the Javadoc. Each deprecation has a comment indicating the equivalent supported usage. You can also check if your application is using any deprecated classes, fields, or methods by compiling your Java application with the `-deprecation` flag.

Oracle Internet File System Configuration Files

Configuration files (*.def) are used in administering Oracle iFS servers and agents. In most cases, customers use the configuration files shipped with the product. If you need to customize or write additional configuration files, these files must be written in ASCII or encoded as UTF8, otherwise they will fail.

Oracle Text Patch

There is an Oracle Text 8.1.7.0.1 patch available. Below is list of the bugs fixed in the patch. If you are interested in installing this patch, contact Worldwide Support:

Bug	Description
953969	DEADLOCK POSSIBLE DURING COMMIT PROCESSING
1387222	JAPANESE QUERY RESULT IN INCORRECT WITH PREFIX INDEXING
1387232	TOKEN LEXING DOESN"T ACCEPT JAPANESE

Bug	Description
1398499	LEXER ERRORS SHOULD NOT CAUSE INDEXING FAILURE
1404349	CATSEARCH COREDUMPS DURING CONDITION PARSE
1404388	MULTILEXER COREDUMPS FOR ABOUT QUERY
1404442	HTML SECTION CORE DUMP ON TEXT FILE WITH ">"
1412631	ORA-1002 ERROR SHOULD HALT INDEXING
1414278	ORA-1727 CREATING CTXCAT INDEX
1414339	INDEXING SHOULD HANDLE SNAPSHOT TOO OLD
1416425	DATASTORES DO NOT HANDLE V-WIDTH CLOBS WITH STRAY NULLS
1420507	MEMORY CORRUPTION IN SECTION PARSING
1483871	$K, $R TABLES CANNOT HANDLE LARGE DOCIDS
1539070	DELETED ROWS NOT REFLECTED IN DR$DELETE

Known Issues

Web Proxies for FTP Drag and Drop

Users may need to edit their web browser preferences so that they do not use a proxy for FTP. Using a web proxy may cause problems when using drag and drop in the Web interface to upload files to the server.

Apache Setup

Chapter 9 of the *Oracle Internet File System Setup and Administration Guide* accompanying this release indicates that a script needs to be run in order to set up Oracle HTTP Server featuring Apache on Windows NT/2000. In fact, the Configuration Assistant performs this Apache setup function automatically; therefore the script is not included and does not need to be run.

The same section provides incorrect information on accessing Oracle Internet File System for Oracle HTTP Server featuring Apache. The correct path to access Oracle Internet File System is as follow:

```
http://<servername>:<port_number>/ifs/files
```

Mapping Oracle Internet File System Network Drives

Because mapping a network drive to an NT/2000 server is controlled by Windows, independent of Oracle Internet File System, the user must first be authenticated by Windows for access to that NT/2000 server.

If users are having difficulty mapping an Oracle Internet File System drive, the NT/2000 administrator should create a shared drive on the NT/2000 server independent of Oracle Internet File System, and have the users try to map to it. If this fails, see your Windows NT/2000 documentation for more information on Windows authentication.

Instructions for end users: When mapping a network drive to Oracle Internet File System running on an NT/2000 server, specify a Windows user ID and password valid for that NT/2000 server. (Without a valid Windows user ID and password on the NT/2000 server, you will be unable to map to Oracle Internet File System.) If this user ID does not also exist in Oracle Internet File System, you will be logged in with Oracle Internet File System user ID "guest" automatically. You may not connect to Oracle Internet File System through NTFS without a valid Windows user ID and password. (To connect to Oracle Internet File System running on a Windows NT/2000 server without a valid Windows user ID and password, use the Web Interface.)

Note: Mapping a drive on Windows NT/2000 server that is in a domain you are not authenticated against may require supplying the user ID in the following syntax: `<domainname>\<userid>`, for example, `MyDomain\gking`. Oracle iFS ignores the domain prefix and only looks at the user id.

Warning: In mapping an Oracle Internet File System drive to an NT/2000 server, the user does not need to provide a valid Oracle Internet File System password, since the user has been authenticated by Windows. Therefore, the NT/2000 administrator must be trusted not to create NT/2000 user accounts with the same name as an Oracle Internet File System user for the purpose of fraudulently accessing that Oracle Internet File System user's data.

When mapping a network drive to Oracle Internet File System running on a UNIX server, an Oracle Internet File System user ID and password is sufficient. If the user name you provide is not a valid Oracle Internet File System user on this UNIX server, you will be logged in as "guest" automatically, assuming the administrator has not disabled this option.

Instructions for System Administrators: Each Oracle Internet File System user requires a Windows NT/2000 account with the same user ID. If the server is in a Windows domain, Oracle recommends the user account be

created at the domain level. Otherwise, the user account can be local to the Windows NT/2000 server.

Access Control Lists (ACLs)

Access Control on Created Objects The ACL associated with any created object is determined by the user's default ACL as specified in the Primary User Profile. A non-admin-enabled user's default ACL is set to PUBLISHED, except for MailBox, MailDocument, MailFolder, and Message, which are PRIVATE. An admin-enabled user's default ACL is set to PRIVATE, except for the following classes, which are set to PUBLISHED:

- VersionSeries
- VersionDescription
- AccessControlList
- PropertyBundle
- DirectoryObject

To change the default ACL applied to a document, access Oracle Internet File System from the Web or Windows interface.

Modifying System ACLs A system administrator has the privilege to modify System ACLs (PUBLIC, PUBLISHED, PROTECTED). The administrator can mistakenly modify a system ACL in a manner that renders it useless by deleting the WORLD Access Control Entry (ACE). Care should be taken when modifying any system ACLs.

For more information on setting system ACLs, consult the *Oracle Internet File System Setup and Administration Guide.*

Bugs Fixed in Release 1.1.10

Bugs listed here are fixed in this release of Oracle iFS.

Bug Number	Release	Description
1634379	*i*AS 1.0.2.1	Oracle iFS failed on Pentium 4 Systems
1714096	Oracle iFS	On Japanese NT, Oracle iFS Configuration Assistant hangs when using Oracle iFS JRE.
1751933	*i*AS 1.0.2.2 M2	On Japanese environment, Oracle iFS Configuration Assistant hangs when verifying InterMedia configuration.

Known Bugs

The following bugs are known to exist in the Oracle iFS 1.1.9 release. Workarounds are given when appropriate. The known bugs are grouped by process or component:

Installation Bugs

Bug 1405417	IFSCONFIG fails if domain name is invalid.
Description:	If the domain name provided during the IFSCONFIG is not valid, IFSCONFIG will fail. This happens during the creation of the basic Oracle Internet File System users.
Action:	Make sure that the domain is valid.
Bug 1542281	**Guest password should not be changed.**
Description:	The username and password for the Guest login is hardcoded in the IfsHttpServletParameters.properties file. If the user changes the password, but does not change the password in this file, the web server will not start up successfully.
Action:	The Guest password should not be changed from `welcome`.

Bug 1579125	Document.filterContent() may fail in an application that uses JWS.

Description:	When you use the Document.filterContent() method the following error appears:
	`Exception:`
	`@ oracle.ifs.common.IfsException: IFS-22510: SQL error submitting filtering`
	`request to interMedia Text for document object 46,045`
	`DRG-11207: user filter command exited with status 137`
	`ORA-06512: at "CTXSYS.DRUE", line 126`
	`ORA-06512: at "CTXSYS.CTX_DOC", line 810`
	`ORA-06512: at line 1`

Action:	**1.** Create a TNS alias for your local machine using netasst. **2.** Export `TWO_TASK=<tns_alias>` (or use IFSCONFIG to choose a "different machine" for your database, and enter this TNS alias). **3.** Make sure the database is started with the correct `LD_LIBRARY_PATH`. **4.** Run JWS. At this point, if you try to "view as HTML," ctxhx will be spawned by the database (because you forced the system to go through the listener), and it will have the correct `LD_LIBRARY_PATH`. If you don't go through the listener, the TNS software runs ctxhx from the calling process (JWS/jserv), and somehow incorrectly modifies the `LD_LIBRARY_PATH`.

Bug 1607138	Custom_classes comes after ifs_classes when using Apache on NT.
Description:	The custom_classes directory is currently not the first directory accessed by the Apache web server. This causes problems when customers want to use server-side overrides. The wrapper.classpath entry for custom_classes in the %ORACLE_HOME%/Apache/Jserv/etc/jserv.properties is below that of other Oracle Internet File System classes.

Action:	This is not an issue if you are re-installing the database or you are installing Oracle Internet File System 1.1 for the first time. Otherwise, please do the following:
	1. Stop the web server.
	2. Edit the file jserv.properties in %ORACLE_HOME%/Apache/Jserv/etc.
	3. Move the entry for custom classes:
	`wrapper.classpath=<IFS_HOME>/custom_classes`
	to a line below the line that states:
	`# iFS 1.1 true`
	4. Start the web server.

Bug 1619431	IFSCONFIG: Upgrade fails if IFS_LOB_N tablespace does not exist.
Description:	IFSCONFIG: Upgrade fails if the IFS_LOB_N tablespace does not exist. This is caused by a limitation in the upgrade scripts in handling installations that use custom tablespaces.

Action:	1. Open `%ORACLE_HOME%/ifs1.1/admin/config/SchemaUpgrade.def` in a text editor.
	2. Edit line 52, changing the last part of the line from:
	`defaultLobTablespaceNonIndexed={ifs.lob.tbs.name}`
	to:
	`defaultLobTablespaceNonIndexed=<CUSTOM_NAME_FOR_IFS_LOB_N_TABLESPACE>`
	3. where `<CUSTOM_NAME_FOR_IFS_LOB_N_TABLESPACE>` is the name you chose for the "non-indexed lob tablespace" during the original Oracle 9*i*FS 1.0 configuration.
	4. Re-run IFSCONFIG and proceed with the upgrade.

Generic Oracle iFS Bugs

Bug 1106093 (also listed as 1263638, 1252587)	Recursively deleting a large folder tree fails. (Complex searches fail with the exception, IFS-21000: Session is not connected or has timed-out.)
Description:	When executing tasks that require a long time to complete, such as complex searches, searches over a very large data set, or deleting a large folder tree, the connection times out and fails.
Action:	Shut down the service and increase the `SessionTimeoutPeriod` parameter in the properties file. The default value is 10 minutes. Restart the service. Modifying this parameter affects all services started using this new property file.

Bug 1115247	Folder items are sorted uppercase first, then lowercase.
Description:	When listing the items in a folder, the items are sorted case-sensitively, by name.
Action:	None.

Bug 1584391 JSP lookup mechanism does not work with IAS/Apache

The JSP Lookup mechanism does not work for cases in which the web server is not rooted. This is because the URL path is different from the actual Oracle iFS path. This problem is more apparent when custom types are created and JSPs associated with these types.

To overcome this problem, writers of custom applications must use the following two methods to ensure that this translation is handled correctly.

The new class that has been introduced is `ifs.adk.http.HttpUtils` and it contains the following methods to address issues pertaining to the above problem.

`getIfsPathFromJSPRedirect(HttpServletRequest)` provides the actual iFS path given the servlet path.

`getURLFromIfsPath(HttpServletRequest, Path)` gets the URL path given the iFS path.

Bug 1244817	Inconsistent usage of prompts in Oracle iFS Manager and Oracle iFS Server Manager.

Description: The prompts in Server Manager and *i*FS Manager are different, yet some of the values entered are the same. This may be confusing.

Action: Below is the explanation of the prompts.

Ifs Manager

Username: Oracle Internet File System Administrator's login

Password: Administrator's password

***i*FS Schema Password**: Schema password for the Oracle Internet File System installation

The following fields are read-only. The displayed information is specified in the corresponding Service properties file. To change the information below requires a properties file containing the desired information. Select the "Change *i*FS Service" button and enter the new *i*FS Service name to refresh the fields from the information in the new properties file.

***i*FS Service**: The *i*FS service name that corresponds to the properties file which has service-specific information such as the schema name, caching, and connection pool parameters.

Database Service: The `tnsnames.ora` entry for the database. If blank, *i*FS Manager will connect to the local database running on the same machine.

***i*FS Schema**: The schema name for the Oracle Internet File System installation.

Server Manager

***i*FS user name**: Oracle Internet File System administrator's login.

***i*FS user password**: Administrator's password.

***i*FS service name**: Service name that corresponds to the desired properties file.

***i*FS database password**: Schema password for Oracle Internet File System installation.

Bug 1369729 (also listed as 1389141)	**Cannot see an object to which the user has been granted access. (When a user tries to access the attribute of an object to which the user's access been revoked, an IfsException occurs.)**
Description:	If the ACL of an object is changed by one user so that the object becomes discoverable by a different user, the object may not be discoverable until the user disconnects from Oracle Internet File System and reconnects. For example, if user A changes the ACL of an item in a folder from "Private" to "Public," user B might not see that item in the folder until user B disconnects and reconnects to Oracle Internet File System. Conversely, if user B has discovered an object whose ACL is subsequently changed by user A, causing that object to no longer be discoverable by user B, user B may continue to see that object until disconnecting and reconnecting to Oracle Internet File System. However, if user B performs an operation on that object, such as getting its name, that operation might fail and throw an IfsException, indicating the user does not have permission to perform that operation.
Action:	Disconnect and reconnect your session.
Bug 1379386	**System stops indexing after Chinese files are inserted.**
Description:	Binary files containing Chinese characters can stop the queue of files being indexed by Oracle Text (formerly interMedia Text). If this happens, you can still insert and update files, but no files in the system will be indexed until you address this problem.
Action:	Delete the file and restart Oracle Text indexing. For more information, see the *Oracle8i interMedia Text Reference.*
Bugs 1401541, 1409752	**CTXHX on some documents spins and consumes all CPU; never returns.**
Description:	Certain Microsoft Word version 7 (Word 95) documents with tables in them cause the Oracle Text (formerly interMedia Text) executable CTXHX to go into an infinite loop.
Action:	Get Oracle database patch CTX_8.1.7.0.1_SOLARIS_RELEASE or the Oracle database 8.1.7.1.0 patch-set.

Bugs 1401591, 1409748	**Difficult to determine which documents cause Oracle Text to fail.**
Description:	Sometimes Oracle Text stops indexing documents and it is difficult to tell why.
Action:	Here are some steps you can take to isolate the problem.

1. Log into SQLPLUS as ifssys/ifssys, and issue:

```
Select count(*) from ctx_user_pending
```

2. If there are one or more rows, then issue:

```
select du.uniquename, vd.name, co.contentsize,
cs.id
from odmv_document vd, odm_contentobject co,
odmm_contentstore cs,
odm_document od,
odm_directoryuser du
where vd.id = od.id
and od.contentobject = co.id
and co.content = cs.id
and du.id = vd.owner
and cs.id in
(
select distinct od.id
from ctx_user_pending cp, odmm_contentstore od
where od.rowid = pnd_rowid
)
order by cs.id
```

3. Examine the results, and examine the files they are referring to. (You may have to search for them by name using the Web interface).
4. If any of these files do not have their extension set correctly, then they are likely the problem.
5. If they do have their extension set correctly then please deliver the files to your Oracle Support analyst, as we would like to get copies of these files so we can examine them ourselves. The next steps should help isolate the document.

6. If you have rows in dr$pending which are causing ctxsys to fail, then one *unsupported* way of getting past them is to do the following:
7. Log into sqlplus as ctxsys/ctxsys.

```
SQL> create table dr$pending_bad as select *
from dr$pending;
SQL> delete from dr$pending;
SQL> commit;
```

8. Then try ctxsys again and see if that works. If it does, then you know the problem was in your dr$pending table (the same as the ctx_user_ pending view).
9. Reinsert the rows from dr$pending_bad back into dr$pending one at a time:

```
SQL> insert into dr$pending select * from
dr$pending_bad where rownum =
1; delete from dr$pending_bad where rownum=1;
SQL> commit;
```

10. Then run ctxsrv again.
11. Continue to run steps 9 and 10 until ctxsrv fails again.
12. When it does, record information about that document, delete that row from dr$pending, and continue with the rest of the rows in dr$pending_ bad.
13. Send us the document referred to by this bad row so we can examine it.

Bug 1458260	**When re-partitioning the PublicObjects table, a custom class with a name longer than 30 characters will cause the re-partition to fail.**
Description:	The re-partitioning scripts fail because it uses the ClassObject names.
Action:	Create custom classes with names less than 30 characters.

Bug 1535008	**The error "Invalid Credentials" is returned, even though the correct credentials are supplied.**
Description:	This error is incorrectly returned when the Oracle Internet File System schema hasn't been upgraded to match the software version.
Action:	Upgrade the schema to the correct version.
Bugs 1557921, 1580612	**On very large datasets, after running analyze.sql, performance severely degrades.**
Description:	In most cases, analyze.sql gathers database statistics that result in faster query performance. On very large datasets, it is possible that performance degrades rather than improves.

Action:	To check if all the tables were analyzed, run:
	`sqlplus <ifs_schema_name>/<ifs_schema_password>`
	`SQL> select table_name, last_analyzed from user_tables;`
	
	If all tables were analyzed, then the times should be the same. If the times differ, then not all tables were analyzed. If this is the case, edit the analyze.sql script and replace the line with the `dbms_stats.gather_schema_stats` call with:
	`exec dbms_utility.analyze_schema(upper('&1'), 'COMPUTE');`
	
	and rerun analyze.

Bug 1566015	**A high minimum connection pool setting can cause the database to run out of processes.**
Description:	The Oracle Internet File System server initially creates twice the number of connections specified in the minimum connection pool setting. These connections are discarded shortly thereafter, reducing the number of connections back to the minimum setting. However, if the minimum setting is set to be more than half the database process limit, the database will run out of processes.
Action:	Set the minimum connection pool to less than half the target connection pool setting.

Command Line Utilities Bugs

Bug 1237269	The date format string is not validated when set, but only when it is used.
Description:	Setting the ifsmod date format string with an invalid format will not return an error. An invalid date format error is returned on the command that actually uses the date format.
Action:	After setting a date format string, use the format immediately. If a string error is returned, reset the date format to a valid date format.

XML Bugs

Bug 1246851	Subclassing through XML to create a ClassObject with an invalid name causes an obscure error.
Description:	When creating a subclass, the table name created in the database is set to the name of the ClassObject. If the ClassObject name is an invalid tablename, (tablename cannot be a reserved SQL word, nor can it contain spaces or illegal characters) the following exception is thrown: `IFS-30002: Unable to create new LibraryObject.`
Action:	Edit the XML file and change the name of the ClassObject.
Bug 1255889	**Using XML to create a value domain fails.**
Description:	Trying to create a value domain using XML results in an XML parsing error.
Action:	Create the value domain through Oracle iFS Manager.
Bug 1600470	**Creating a user via XML with a multi-byte login fails.**
Description:	By default, XML creates the email address by concatenating the <Username> and the <EmailAddressSuffix>. If the username contains multi-byte characters, the user creation fails because an email address cannot contain multi-byte characters.
Action:	Explicitly set the email address without multi-byte characters using the <EmailAddress> tag.

NTFS Bugs

Bug 1289569	Delete appears to work on some un-deleteable files.
Description:	No error messages are given when a user tries to delete a document that the user does not have permission to delete, or when a user tries to delete special objects, such as the inbox folder, which cannot be deleted.
Action:	Although no error message appears, the document or folder is not deleted. Selecting Refresh in the Windows Explorer will cause the Windows Explorer to refresh the display and the document or folder will reappear.
Bug 1391358	**Cannot move a rendered XML document.**
Description:	A document without any explicit content cannot be moved to another folder. Documents without any explicit content are generally created using XML and the contents are rendered.
Action:	The document must be deleted and then recreated in the new folder.
Bug 1412048	**In Windows NT with Service Pack 6, some .txt documents cannot be modified and saved in Wordpad.**
Description:	When editing a document with the Read Only attribute with Wordpad on NT 4.0 with Service Pack 6, you will not be able to save the document to a different name using the Save As dialog box. When trying to save the document under a different name you will receive an error stating that the document cannot be accessed because it is in use by another application.
Action:	Remove the Read Only attribute before editing the document with Wordpad, or use another editor, such as Notepad.

Bug 1416024	Using wrong username/password in NTFS driver does not log you in as Guest.
Description:	When using the NTFS driver, the authentication for mapping the Oracle Internet File System drive is handled by the Windows NT system. Therefore, a valid windows user ID is required to map the drive. This is a system restriction for the NTFS driver.
Action:	This is a Windows OS restriction. There is no work-around.
Bug 1416907	**Some file attributes were changed after dragging and dropping a file into iFS.**
Description:	When uploading a document with Hidden, Read-only, and Archive attributes with the Norton anti-virus program running, only the Read-only attribute is set on the uploaded file.
Action:	Don't run Norton AntiVirus while uploading a document, or reset the attribute after uploading.
Bug 1417374	**Need better error message when trying to rename/delete versioned files.**
Description:	The wrong error message is associated with errors renaming / deleting versioned files. The current error message says, "Cannot rename 'filename.' Access is denied. Make sure the disk is not full or write protected and that the file is not currently in use."
Action:	The correct error message is: "Cannot rename 'filename'. The process cannot access the file because another process has locked a portion of the file."
Bug 1417572	**Cannot delete a locked folder.**
Description:	The NTFS server does not support locking or unlocking a folder, therefore, a folder that has been locked using another interface cannot be unlocked using NTFS. Locked folders cannot be deleted.
Action:	Use a different user interface, such as the Web or Windows interface, to unlock the folder before deleting it.

Bug 1418267	Deleting files in locked folder is misleading.
Description:	There are two problems with locked folders. Deletion of a file in a locked folder appears to succeed; however, upon refreshing, the deleted file appears. Also, the wrong error message is associated with errors copying a file into a locked folder. The current error message says, "Cannot copy "filename." Make sure the disk is not full or write protected and that the file is not currently in use."
Action:	There is no way to delete a locked document or to copy a document into a locked folder.

Bug 1454964	Access violation in the NTFS Server.
Description:	After running for an extended period of time, the NTFS server may terminate, displaying the following error message: `access violation in ifsproxy.dll`
Action:	Restart the NTFS server.

Windows Interface Bugs

Bug 1246484	Cannot cancel a check out in the Windows interface.
Description:	The Cancel Checkout option is not available. If you check out a file and decide not to create a new version (e.g., check in the file), there is no way to cancel the checkout.
Action:	Use the Cancel Checkout function in the Web interface or check in a versioned file that has not changed since being checked out, Oracle Internet File System will not create a new version of this file, but the checkout will be removed.

Bug 1246456	**Potential loss of service on starting multiple WCP servers against the same databases.**
Description:	In a three-tier model, multiple installations of Oracle Internet File System can point to the same database. If multiple Windows Client Protocol (WCP) servers are started against the same database, the WCP server started last takes over servicing all Window interface requests. All the other WCP servers, however, do not display any errors, but do not service any Windows interface requests. So, if the last WCP server is shut down, none of the remaining servers will service any Windows interface requests.
Action:	For this release, only one WCP protocol server is supported.
Bug 1252913	**Find returns documents which the user cannot locate with a path.**
Description:	The Find dialog returns documents for which the user has discovery privileges, even if the user does not have privileges on the folder containing the document. For example, if a user creates a document as Published in his/her home directory, another user will be able to find the document using the Oracle Internet File System Find dialog even though this user cannot access the document because s/he does not have permission on the first user's home directory. The Find results show the document name and 'In Folder' as "drive:". Double-clicking the document gives an error "Cannot open document (o:\new.txt) ErrorCode 2".
Action:	Relax the permissions in the first user's home directory or have the first user place published documents in accessible directories.
Bug 1401981	**Owner name in iFS Find is case sensitive.**
Description:	The Oracle Internet File System Find window Owner edit box only allows case- sensitive strings, even though the default is case insensitive.
Action:	Type the owner string as case sensitive.

Bug 1402667	**Removing the latest file version causes the Windows client to stop.**
Description:	If you try to remove the latest version of a document shown on the iFS Version tab of the file's Windows property sheet, the client stops.
Action:	Create a new version and then delete the old one.
Bug 1416046	**Language not picked up for a file.**
Description:	If a file is uploaded with a specified language type through the Web interface, the Windows property sheet still shows the Language field as unspecified.
Action:	If you specify a language through a property sheet, it will be displayed correctly in both the Windows and Web interfaces.
Bug 1416091	**iFS Find sometimes crashes when doing a context search**
Description:	Interrupting an ongoing context search to define and execute a new search gives the following error: "Content Search is not available...." and eventually the iFSFind.exe crashes (Dr. Watson error).
Action:	Wait until results come back from the current search before starting another.
Bug 1416975	**Missing some iFS operations for file with name longer than 256 characters.**
Description:	In Windows NT, if you drag and drop a file that has a file name longer than 256 characters, some of the Windows interface commands will not work.
Action:	This is a Windows limitation.
Bug 1428681	**Can't check in a document if user has Modify permission.**
Description:	In the Windows interface, Read and Modify permission allows a user to make a document versioned and check it out. However, the user cannot check in the modified document. The error message is insufficient since it only has error number without description.
Action:	If you have Read and Modify permission on a document, use the Web interface to check it in and out.

Bug 1470871	**IFSSOCKMGR stops when mapping the SMB server to the same drive that was just disconnected.**
Description:	When a user disconnects a drive mapped to an Oracle Internet File System server (via SMB) then tries to map another SMB server to the same drive letter, IfsSockMgr stops.
Action:	Use Task Manager to stop the IfsSockMgr before remounting the drive.
Bug 1480277	**Can’t search for documents by language.**
Description:	The File Contents criterion of the Advanced Find window allows you to specify a particular string to search on and its language. Some users may think they’re specifying a language attribute to search on.
Action:	The language selection describes “language rules” that are used to match words. This is not intended to return documents that are written in a given language.
Bug 1495333	**iFS Find with an invalid path gives a blank error window.**
Description:	On the Name & Location tab of the Oracle Internet File System Find dialog, if the "Look in" field has an invalid path, an error window without a description displays. Also, the search continues until the user clicks the Stop button.
Action:	Make sure you enter the correct path in the "Look in" field.

Web Interface Bugs

Bug 1104090	In Netscape, uploading a folder using drag and drop fails.
Description:	Using drag and drop in Netscape, uploading a folder and its contents will fail. This is a Netscape browser bug.
Action:	You have several options: ■ If the folder's contents are not other folders, first create the folder in Oracle Internet File System, then upload the folder's contents using drag and drop. ■ Upload using browse rather than drag and drop. ■ Use Internet Explorer.
Bug 1235607	**If quota is exceeded, attempting to upload over an existing file will fail.**
Description:	If quotas are being used, and you are currently near or over your quota, you may not be able to upload any files, even if you are attempting to replace an existing file.
Action:	Delete the file you are replacing before attempting the upload.
Bug 1244053	**After entering username and password, pressing Enter causes login screen to beep.**
Description:	On the login.jsp, after entering the login and password, pressing the Enter key causes a BEEP.
Action:	Press the Tab key to select the Login button before pressing Enter.
Bug 1248003	**The text in the column heading disappears after the window is resized.**
Description:	After resizing the window, the headings on the File List disappear. You will see boxes filled with black.
Action:	This is a style sheet / browser issue. Reload the File List by clicking the current folder in the Directory Tree.

Bug 1252587 (also listed as 1106093, 1263638)	**Library Session times out during long uploads.**
Description:	See Description of Bug 1106093 in “Generic Oracle iFS Bugs” on page 15.
Action:	See Action for Bug 1106093 in “Generic Oracle iFS Bugs” on page 15.
Bug 1258791	**Cannot apply ACLs to more than 100 items in the Web interface at one time.**
Description:	A design issue in the Web interface limits the number of items you can have selected when you choose Apply ACL from the Edit menu.
Action:	Select fewer than 100 items when you are applying ACLs.
Bug 1370141	**Upload and check-in/check-out menus overlap if the system uses small fonts.**
Description:	If you set the Windows NT display parameters to use small fonts, the menu options in the Upload and Check-In / Check-Out menus overlap one another. This problem only occurs in Netscape browsers, not in Internet Explorer.
Action:	If you are a Netscape user, change the font settings in the Display section of the Windows control panel to use large fonts.
Bug 1372615	**Using Internet Explorer, uploading a document with non-ASCII document name via drag and drop fails.**
Description:	Using Internet Explorer 5.0 or 5.5 to upload a file with a non-ASCII file name via drag and drop results in an error message that the file already exists. Choosing to overwrite the non-existent file causes the filename to be truncated when the file is stored in Oracle Internet File System.
Action:	This is a known NLS bug with the FTP window in Internet Explorer 5.0 or 5.5. Either use upload via browse, or use a different protocol server to upload the file.

Bug 1373077	**Using the Japanese version of Netscape, uploading a file via drag and drop fails.**
Description:	If you try to drag and drop a file through the Japanese version of Netscape, the upload fails. Note that this problem only occurs if the character set used for the filename does not match the character set of the Oracle Internet File System FTP server. Unfortunately, the user has no way to determine the server character set.
Action:	Use a different protocol to upload the file, such as FTP or SMB.
Bug 1374498	**Non-ASCII file name is displayed as string of rectangles while viewing its parents.**
Description:	For a file with a non-ASCII name: If you open the View Parents window to see all the folders in which a file appears, the file name appears as a series of rectangles.
Action:	Set your browser to ignore typefaces. For example, in Netscape, select `Edit -> Preferences -> Appearance` and set Fonts option to "Use My Default Fonts."
Bug 1384904 (also listed as 1379837, 1374374)	**Using Netscape, cannot upload a file with non-ASCII characters in filename.**
Description:	Using Netscape to upload (via browse) a document that has a non-ASCII filename, the upload fails.
Action:	Use Internet Explorer or a different protocol to upload the file, such as FTP or SMB.
Bug 1387938	**Drag and drop upload may fail.**
Description:	Using FTP to drag and drop from the Web interface, the upload fails if the path to the server is not fully qualified.
Action:	Either fully qualify the path to the server (for example, `myserver.mycompany.com:2100`) or use a different protocol server to upload the file.

Bug 1399626	**Uploading a file via drag & drop into a folder with a period in its name causes the file to open in Internet Explorer.**
Description:	Attempting to upload a document into a folder with a period in its name causes the upload to fail. Instead of being uploaded, the file displays in Internet Explorer.
Action:	Navigating one level up from the folder (the folder with a period in its name), then back down into the folder will enable the upload to work.
Bug 1399646	**Folder with an apostrophe in its name cannot be opened from Web Interface.**
Description:	If a folder name contains an apostrophe, you cannot open that folder in the Web interface.
Action:	Remove the apostrophe from the folder name.
Bug 1403302	**Problems with theme searching.**
Description:	Using theme search in the Advanced Find window causes the web server to stop responding to requests.
Action:	Do not use theme searches.
Bug 1408308	**Cannot link to specific versions of a document.**
Description:	Users cannot create a link to individual versions of a versioned document.
Action:	If you want to reference a particular version of a document, you can paste and create a copy, but you cannot have a reference.
Bug 1416997	**Tree frame operates incorrectly.**
Description:	The tree frame gives unexpected results if a folder in the tree is renamed using a different protocol.
Action:	Refresh the browser.
Bug 1480275	**Can’t search for documents by language.**
Description:	The File Contents criterion of the Advanced Find window allows you to specify a particular string to search on and its language. Some users may think they’re specifying a language attribute to search on.
Action:	The language selection describes “language rules” that are used to match words. This is not intended to return documents that are written in a given language.

Bug 1524432	**Changing default DAV renderer breaks Web UI.**
Description:	Changing the renderer implementation for the DAV renderer breaks the Web interface.
Action:	Do not subclass Renderer and create a custom renderer.set.
Bug 1553153	**Some multi-byte languages have trouble with uploading via Drag & Drop in the Web UI.**
Description:	The Web interface uses the browser's native support as an FTP client to perform Upload via Drag & Drop.
Action:	If you are having problems with Upload via Drag & Drop, first insure that you are able to perform this operation manually: `ftp://<username>:<password>@<machinename>:<portnumber>/<completepath>` If the above does not work, try configuring your browser's proxy settings. There are known browser issues.
Bug 1562128	**Find function in the Help viewer gives Null Pointer Exception when Oracle Text is not running.**
Description:	The search function of the Web interface's help function uses the Oracle Text engine. If this is not running, the Web interface cannot search.
Action:	Start Oracle Text. See the *Oracle 8i interMedia Text Reference* for details.
Bug 1604545	**NLS: Using UTF-8 encoded .js files causes web page error in IE for Simplified Chinese.**
Description:	Much of the user interface for the Web interface is generated by Javascript code. There is a known issue with some versions of Microsoft's Internet Explorer.
Action:	Use only IE5.5 (5.50.4134.0600) with Simplified Chinese systems.

FTP Bugs

Bug 1107309	Cannot publish website with FrontPage 2000 if folder name has a space.
Description:	Cannot publish website with FrontPage 2000 through FTP if the folder name includes a space.
Action:	Remove spaces from the names of all folders (and all parent folders).

Bug 1233338	Renaming a file or folder to an existing folder name moves the item under that folder.
Description:	When a user renames a file or folder to a name of an already existing folder, the item is moved into that folder, rather than returning an error that an item already exists of that name.
Action:	Renaming to an existing folder should not be allowed; however, there is no loss of data. The user can open the existing folder, locate the file or folder, and rename and/or move it to its correct location and name.

Bug 1604799	Uploading a file through drag/drop does not work across a firewall.
Description:	The intranet FTP server name is different from the name outside the firewall. The two names cannot be resolved and the upload fails.
Action:	Upload files using the "Browse" feature.

E-mail Bugs

Bug 1106173	Outbox fails to bounce undeliverable messages.
Description:	The Oracle Internet File System Outbox agent will retry to send the message repeatedly at increasing intervals of time. The message will then be purged after seven days.
Action:	Monitor the outbox at least weekly to identify undeliverable e-mails.

Bug 1197079	**Deleting and expunging multiple messages in Netscape Messenger 4.7 may cause the client to fail.**
Description:	Occasionally, trying to delete several messages and expunge them all at once using Netscape Messenger 4.7 causes the client to fail.
Action:	Retry the same operation. If the error recurs, restart the client and delete messages in smaller groups.
Bug 1254452	**Cannot use the FTP delete/mdelete command to delete an e-mail message.**
Description:	If you use the FTP delete / mdelete command to delete an e-mail message, the following exception is thrown: `550 <e-mail message name> is a folder, use rmdir.`
Action:	Use the Web interface, SMB, or your IMAP client to delete e-mail messages.
Bug 1246882	**Creating folders recursively using Netscape Messenger 4.7 does not subscribe all folders.**
Description:	Netscape Messenger allows you to create IMAP folders recursively. However the top-level folders do not get subscribed. For example, if you create d01 / d011 / d0111, the folders d01 and d011 do not get subscribed automatically. These folders are not be visible on your IMAP client if options are set to view only subscribed folders.
Action:	Subscribe the unsubscribed folders explicitly.
Bug 1248657	**Mail sent from a machine that uses XFN instead of DNS does not always work.**
Description:	XFN is a federated naming service used instead of DNS. Oracle Internet File System e-mail only supports DNS.
Action:	DNS is required for Oracle Internet File System.
Bug 1379886	**Cannot delete non-ASCII-named folder with EUDORA 4.3.2.**
Description:	It is not possible to remove folders named with non-ASCII characters using EUDORA 4.3.2.
Action:	Use any other e-mail client, SMB, or the Web interface to remove the folder.

Bug 1380015	Unable to login into an IMAP account with a non-ASCII character in the name.
Description:	If user name has non-ASCII characters, logging into the IMAP server may fail. This happens if the server character set is not set correctly.
Action:	Set the Oracle Internet File System server default character set to ISO8859-1 or the appropriate multibyte character set.

Bug 1386666	Certain Oracle iFS e-mails not viewable in PINE.
Description:	Multipart e-mail messages that have not been delivered from Oracle Internet File System cause PINE to crash.
Action:	Use any other e-mail client or SMB to view the e-mail.

Bug 1387952	E-mails sent from PINE cannot be opened in the Web Interface.
Description:	An e-mail that originated from a PINE client is not viewable in the Oracle Internet File System 1.1 Web interface. The body of the e-mail will not be displayed. Instead, a "404 Document not found" error is reported.
Action:	The e-mail can be viewed using any standard e-mail client suitably configured, and through Windows Explorer using Oracle Internet File System SMB.

HTTP Bugs

Bug 1387888	Web Folders displays an e-mail as a folder.
Description:	The Web Folders-based interface to Oracle Internet File System does not handle the rendering of Oracle Internet File System e-mails as one entity. The e-mails appear as a folder and the constituents as parts of separate documents.
Action:	Use an IMAP client to view the e-mail.

Bug 1387909	DAV servlet default charset encoding is not in Oracle iFS Service Properties.
Description:	The default character set value for the DAV Servlet is stored in `IfsDavServletParameters` file instead of the `IfsService.properties` file.
Action:	In the `IfsDavServletParameters.properties` file, change the `ifs.dav.webfolders.charencoding` parameter to 8-bit and multibyte folders. The file is in the following directory: `%ORACLE_HOME%/ifs<version>/settings/oracle /ifs/protocols/dav/impl/properties.`

Bug 1393110	Folder names in top level Oracle iFS directory are restricted.
Description:	In an Apache environment, servlet names exactly matching one or more of the first characters of the name of a top-level directory will cause the Web interface to fail. For example, if the name of the servlet is `ifsservlet`, the presence of a folder called `ifsservlet_files` will cause the Web interface to fail.
Action:	Do not create any top-level folder on Oracle Internet File System with the same first set of characters as the servlet name.

Oracle iFS Manager Bugs

Bug 1167418	There is no provision for changing the ACL of a User Object itself.
Description:	The ACLs of DirectoryUsers cannot be changed in the Oracle iFS Manager.
Action:	Go to the Web interface and select the user in the Users list. Click Edit->Apply ACL to update the ACL.

Bug 1388097	Cannot rename an ACL or User.
Description:	ACLs or users cannot be renamed in Oracle iFS Manager.
Action:	To rename an ACL, go to the Web interface, select the ACL in the ACL list and click Edit->Rename. Renaming a DirectoryUser requires a Java utility that can update the NAME attribute of the DirectoryUser.

Bug 1401400	All operations after exception IFS-10653 are not saved.
Description:	If you do an illegal operation in Oracle iFS Manager you may get the exception "IFS-10653: Unable to abort transaction". After this exception is displayed, all operations are invalid and will not be committed to the database.
Action:	Exit Oracle iFS Manager. Restart Oracle iFS Manager and continue working.