

Patch History Database Feature Oracle Applications Release 11i

*An Oracle White Paper
November 12, 2001*

Patch History Database Feature

Oracle Application Release 11*i*

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INTRODUCTION

The patch history database feature stores patch information in the database. This feature automatically tracks all Oracle Applications updates applied to your system and allows you to access patch history information easily through a set of reports and query options.

Previously patch history information was stored in the Patch History file (applptch.txt). This file contained information about all updates successfully applied to an Oracle Applications system. The patch history database feature moves the contents of this file to database tables.

With the patch history database feature, you can:

- Determine what updates have been applied to a system.
- Investigate when updates were applied.
- Determine what other bug fixes were included in an update.
- Determine what translated updates have been applied.
- Check when a file was last updated.

- Determine the current release level of a system based on the maintenance packs that have been applied.

This paper describes the patch history database feature, how it is enabled, the reports to present the patch history information and future features of the patch history database.

This paper assumes familiarity with DBA tasks and the AutoPatch utility. See the *Maintaining Oracle Applications* manual for detailed information on AutoPatch.

ENABLING THE PATCH HISTORY DATABASE FEATURE

The patch history database feature is available as part of AD mini-pack 11i.AD.E or later. This update is highly recommended for all customers on 11i systems.

The patch history database feature will be included in future maintenance releases of 11i (11.5.6 and later).

PATCH HISTORY DATABASE FUNCTIONALITY

The patch history database feature does not change the process of applying an update. Updates are still applied with AutoPatch in the same manner; however, once an update has been successfully applied, the information is directly uploaded to the database. AutoPatch uploads the update information into the database after each driver is run on each server.

Here is the key patch information that is stored in the database.

For standard updates:

- Patch number
- Patch type (standard, mini-pack, or maintenance pack)
- Driver file name
- Type of driver file (copy, database, or generation)
- Platform
- APPL_TOP on which the update was applied
- Contents of the update
- Language of the update
- The servers on which the update was applied
- Bug fixes included in the update
- Whether bug fix was applied successfully
- Reason bug fix was not applied, if it was not successfully applied

If the update is a maintenance pack, the following additional information is stored:

- Maintenance pack level (for, example, 11.5.5)

PATCH HISTORY DATABASE AND AUTOPATCH MODES

Patch information is stored in the database only if the update is run in normal mode. Patch information is not stored immediately in the database when run in pre-install and not stored at all when run in test mode. If the update does not complete successfully, the patch information is not uploaded to the database nor is it written to the Patch History file.

Normal mode

When AutoPatch is run in normal mode, all patch history information is directly uploaded to the database. Here is the series of patch history database actions in normal mode:

- If the Patch History file (applptch.txt) exists, the information in the Patch History file is uploaded to the database and the Patch History file is renamed to applptch_succ_<MMDDRRHH24MISS>.txt, if the upload is successful, and to applptch_fail_<MMDDRRHH24MISS>.txt, if unsuccessful. <MMDDRRHH24MISS> represents the month, day, year, and time the file was renamed. For example, if the file is renamed after a successful upload on November 3, 2001 at 1:35pm and 42 seconds, the file would be renamed to applptch_succ_110301133542.txt.
- AutoPatch applies the update.
- Patch history information for the current update is uploaded directly to the database.

Test mode

When AutoPatch is run in test mode, no upload of applptch.txt occurs and patch history information is not stored. The Patch History file is not changed.

Pre-install mode

As AutoPatch does not connect to the database in pre-install mode, the patch information is not directly uploaded to the database. In pre-install mode AutoPatch writes patch history information to the Patch History file. The contents of this file are uploaded to the database the next time AutoPatch is run in normal mode.

Non-interactive mode

The patch history database feature does not distinguish between interactive and non-interactive mode. Whether or not patch history information is stored in the database is determined by the operational mode used: Normal, Test, or Pre-install.

PATCH HISTORY DATABASE REPORTS

There are two SQL*Plus reports that query information about updates that have been applied: the Patch History report (adphrept.sql) and the File History report (adfhrept.sql). These scripts are in the AD_TOP/patch/115/sql directory. They must be run against the APPS schema. The Patch History report script and the File History report script create report files called adphrept.lst and adfhrept.lst respectively, in the current working directory.

Note: Older versions of the reports may use .r extension.

Patch History Report

The Patch History report is run with the following parameters (in order):

```
adphrept <query_depth> <bug_number> \  
<bug_product> <start_date>\  
<end_date> <patch_name> \  
<patch_type> <level> <language> \  
<appltop> <limit to forms server?> \  
<limit to web server?> \  
<limit to node server?> \  
<limit to admin server?> \  
<only patches that change DB?>
```

The Patch History report parameters are:

Parameter	Description
<query_depth>	The query_depth has three options: 1 = Updates only 2 = Updates and their bug fixes 3 = Updates, their bug fixes, and update actions
<bug_number>	The number of the bug or type "ALL" to retrieve all bugs. An update may contain more than one bug fix. A bug number identifies each bug fix.
<bug_product>	The product abbreviation of the bug (for example, "GL" for General Ledger) or type "ALL" to retrieve all bug information. This parameter is case sensitive.
<start_date>	The beginning date to limit the updates queried. The date format is mm/dd/rr. Type "ALL" to retrieve updates without a start date contingency.
<end_date>	The ending date to limit the updates queried. The date format is mm/dd/rr. Type "ALL" to retrieve updates without an end date contingency.

<patch_name>	The name or number of the update (for example 1899014) or type "ALL" to retrieve all patches.
<patch_type>	The type of update. The options are "ONE-OFF" for a standard update; "MAINTENANCE-PACK" for a maintenance pack; and "ALL" for all update types. This parameter is case sensitive.
<level>	The release level of the update, for example, "11.5.4" for maintenance pack level 11.5.4. Type "ALL" to retrieve all update levels. This parameter is case sensitive.
<language>	The language of the update (for example, "TH" for Thai) or type "ALL" to retrieve all language versions of the update. This parameter is case sensitive.
<appltop>	The name of the APPL_TOP where the updates were applied or type "ALL" to retrieve updates applied to all APPL_TOPs. This parameter is case sensitive.
<limit to forms server?>	Retrieve only updates applied on the Forms server. The options are Y for yes and N for no.
<limit to web server?>	Retrieve only updates applied on the Web server. The options are Y for yes and N for no.
<limit to node server?>	Retrieve only updates applied on the Node (or Concurrent Processing) server. The options are Y for yes and N for no.
<limit to admin server?>	Retrieve only updates applied on the Admin server. The options are Y for yes and N for no.
<only patches that change DB?>	Retrieve only updates that have database drivers. The options are Y for yes and N for no.

For example, to get the complete patch details for updates applied in Dec. 2000, use the following command:

For UNIX users:

```
$ cd $APPL_TOP/admin/<SID>/out (or any output directory)
$ sqlplus <APPS username>/<APPS password> \
@$AD_TOP/patch/115/sql/adphrept.sql 3 ALL ALL \
12/01/00 12/31/00 ALL ALL ALL ALL ALL N N N N N
```

For NT users:

```
C:\> cd %APPL_TOP%\admin\>\out (or any output directory)
C:\> sqlplus <APPS username>/<APPS password> \
@%AD_TOP%\patch\115\sql\adphrept.sql 3 ALL ALL \
12/01/00 12/31/00 ALL ALL ALL ALL ALL N N N N N
```

File History Report

The File History report is run with the following parameters:

```
adhrept <filename> <latest file version only?> \
<start_date> <end_date> \
<patch_type> <language> \
<appltop> <limit to forms server?> \
<limit to web server?> \
<limit to node server?> \
<limit to admin server?> \
<only patches that change DB?>
```

The File History report parameters are:

Parameter	Description
<filename>	The name of the file or type "ALL" to retrieve all files.
<latest file version only?>	Retrieve information about the latest version of a file. The options are Y for yes and N to retrieve information about all versions of a file.
<start_date>	The beginning date to limit the file history information queried. The date format is mm/dd/rr. Type "ALL" to retrieve file history information without a start date contingency.
<end_date>	The ending date to limit the file history information queried. The date format is mm/dd/rr. Type "ALL" to retrieve file history information without an end date contingency.
<patch_type>	The type of update. The options are "ONE-OFF" for a standard update; "MAINTENANCE-PACK" for a maintenance pack; and "ALL" for all update types. This parameter is case sensitive.
<language>	The language of the file (for example, "I" for Italian) or type "ALL" to retrieve all language versions of the file. This parameter is case sensitive.

<appltop>	The name of the APPL_TOP where the files reside or type "ALL" to retrieve all files. This parameter is case sensitive.
<limit to forms server?>	Retrieve only files updated on the Forms server. The options are Y for yes and N for no.
<limit to web server?>	Retrieve only files updated on the Web server. The options are Y for yes and N for no.
<limit to node server?>	Retrieve only files updated on the Node (or Concurrent Processing) server. The options are Y for yes and N for no.
<limit to admin server?>	Retrieve only files updated on the Admin server. The options are Y for yes and N for no.
<only patches that change DB?>	Retrieve only updates that have database drivers. The options are Y for yes and N for no.

For example, to get the complete file version history for admorgb.pls, during Dec. 2000, use the following command:

For UNIX users:

```
$ cd $APPL_TOP/admin/<SID>/out (or any output directory)
$ sqlplus <APPS username>/<APPS password> \
@$AD_TOP/patch/115/sql/adfhrept.sql admorgb.pls \
N 12/01/00 12/31/00 ALL ALL ALL N N N N N
```

For NT users:

```
C:\> %APPL_TOP%\admin\<SID>\out (or any output directory)
C:\> sqlplus <APPS username>/<APPS password> \
@%AD_TOP%\patch\115\sql\adfhrept.sql admorgb.pls \
N 12/01/00 12/31/00 ALL ALL ALL N N N N N
```

PATCH HISTORY DATABASE GRAPHICAL USER INTERFACE (GUI)

The patch history database GUI is not available at this time. It will be bundled with the updated Oracle Applications Manager (OAM) and released at a later time. What follows is a description of each patch history database GUI report that will be bundled with OAM 11i version 2.0.

Accessing the Patch History Database GUI

Clicking the Patches button on the upper right corner of the OAM screen accesses the patch history database feature.

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Applications Manager

Applications Systems

All Applications Systems
Last Updated : 11:34:02 AM Nov 08 2001 PST

Select System and view... Sitemap Activity Configuration Patches Workflow Manager Go

Select Name	Database Status	Concurrent Processing Status
prod		
ap27db		
dev115		
oamw1153		

TIP
Status currently unavailable. To obtain status information, register events in the OEM console.

Copyright © 2001 Oracle Corporation. All Rights Reserved. [Logout](#) | [Help](#)

The patch history database feature contains four main search screens. They are:

- Simple Patches Search
- Advanced Patches Search
- Simple Files Search
- Advanced Files Search

These four main search screens can be accessed from the OAM sitemap as well.

There are six reports that provide detailed results from the search screens. These reports are:

- Patch Summary
- Patch Details
- Files Copied
- Bug Fixes
- Action Summary
- File History

Each of these reports has a standard layout. The top portion of the report displays the search criteria and the bottom portion displays the results of the search.

A navigation path appears at the top of each report and each item in the navigation path is a link. Clicking on a link accesses the respective report.

Simple Patches Search

The first screen is the Simple Patches Search screen. When the patch history database feature is accessed, it defaults to this screen.

From this screen you can:

- Search for updates that have been applied by entering search criteria in one or more fields and clicking the Submit button.
- Go to the Simple Files Search screen by choosing the Search Files option button and clicking Go.
- Click the Advanced Search button to access the Advanced Patches Search screen. The Advanced Patches Search screen provides additional search criteria to narrow the results of a search.

The View option buttons at the top of the screen allow you to toggle between the Search Patches and the Search Files screens. Clicking the Go button updates the available query fields.

There are three fields in the Simple Patches Search screen:

- Patch: Enter the patch number in this field.
- Applied between <begin date> and <end date>: This field allows you to search for updates that were applied during a specified period of time. Click the calendar icon to select the date or enter the date directly in the field. The format for this field is mm/dd/yy. Some examples for the use of this field are:
 - Enter only the begin date. This search returns all updates applied from the begin date through today's date.
 - Enter only the end date. This search returns all updates applied up to the end date.
 - Enter the begin date and the end date. This search returns all updates applied between the begin date and the end date.
- Language: This drop down menu allows you to select the language of an update to be queried. You can select only one language in this field. To select multiple languages, go to the Advanced Patches Search screen.

You must enter a value in at least one of the three fields; otherwise, an error message appears requesting you to go back and enter a value. To submit the query, click the Submit button.

Simple Files Search

The Simple Files Search screen can be accessed in two ways:

- Select the Search Files option button in the Simple Patches Search screen and click Go.
- Click the Simple Search button from the Advanced Files Search screen.

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Applications Manager

Applications Systems

Applications Systems > Simple Files Search

View Search Patches Search Files

Simple Files Search: ap27db

* File Name
File Name must be provided

Applied between
and
(example: mm/dd/yy)

Language

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From this screen you can:

- Search for files that have been updated by a patch by entering search criteria in one or more fields and clicking the Submit button.
- Go to the Simple Patches Search screen by choosing the Search Patches option button and clicking Go.
- Click the Advanced Search button to access the Advanced Files Search screen. The Advanced Files Search screen provides additional search criteria to narrow the results of a search.

There are three fields in the Simple Files Search screen:

- File name: Enter the name of a file in this field. This field is case sensitive. Do not include a directory path.
- Applied between <begin date> and <end date>: This field allows you to search for files that were updated during a specified period of time. Click the calendar icon to select the date or enter the date directly in the field. The format for this field is mm/dd/yy. Some examples for the use of this field are:
 - Enter only the begin date. This search returns file history information from the begin date through today's date.
 - Enter only the end date. This search returns file history information up to the end date.
 - Enter the begin date and the end date. This search returns file history information between the begin date and the end date.

- Language: This drop down menu allows you to select the language of a file to be queried. You can select only one language in this field. To select multiple languages, go to the Advanced Files Search screen.

You must enter a value in the File Name field; otherwise, an error message appears requesting you to go back and enter a value. To submit the query, click the Submit button.

Advanced Patches Search

The Advanced Patches Search screen provides greater granularity of query criteria than the Simple Patches Search screen. There are four additional search criteria to narrow the results of a query. The option buttons at the top of this screen are identical to those of the Simple Patches Search screen. Clicking the Advanced Search button in the Simple Patches Search screen accesses the Advanced Patches Search screen.

From this screen you can:

- Search for updates that have been applied by entering search criteria in one or more fields and clicking the Submit button.
- Go to the Simple Files Search screen by choosing the Search Files option button and clicking Go.
- Click the Simple Search button to access the Simple Patches Search screen.

These are the available fields in the Advanced Patches Search screen:

- Patch: Enter the patch number in this field.
- Product: Enter the product abbreviation of the product that owns the update in this field. For example, ad or gl. This field is not case sensitive.
- Applied between <begin date> and <end date>: This field allows you to search for updates that were applied during a specified period of time. Click the calendar icon to select the date or enter the date directly in the

field. The format for this field is mm/dd/yy. Some examples for the use of this field are:

- Enter only the begin date. This search returns all updates applied from the begin date through today's date.
- Enter only the end date. This search returns all updates applied up to the end date.
- Enter the begin date and the end date. This search returns all updates applied between the begin date and the end date.
- APPL_TOP name: This is the name of the APPL_TOP where the updates were applied. See the *Maintaining Oracle Applications* manual for more information on APPL_TOP name.
- Only Patches that change Database: The options are Yes or No. Yes represents updates that have database drivers and No represents updates that do not have database drivers.
- Language: This list box allows you to select the language of an update to be queried. You can select one language or multiple languages. To select multiple languages, hold down the Ctrl key while making your selections.
- Server Type: Select the type of server where the updates were applied. The options are Any Type, Forms server, Concurrent Processing server, Web server, and Admin server. You can select one server or multiple servers. To select multiple servers, hold down the Ctrl key while making your selections. Selecting Any Type returns update information for all servers.

You must enter a value in at least one of these seven fields; otherwise, an error message appears requesting you to go back and enter a value. To submit the query, click the Submit button.

Advanced Files Search

The Advanced Files Search screen provides greater granularity of query criteria than the Simple Files Search screen. There are four additional search criteria over those found on the Simple Files Search screen to narrow the results of a query. The option buttons at the top of this screen are identical to those of the Simple Files Search screen. Clicking the Advanced Search button in the Simple Files Search screen accesses the Advanced Files Search screen.

From this screen you can:

- Search for files that have been updated by a patch by entering search criteria in one or more fields and clicking the Submit button.
- Go to the Simple Patches Search screen by choosing the Search Patches option button and clicking Go.
- Click the Simple Search button to access the Simple Files Search screen.

These are the available fields in the Advanced Files Search screen:

- File name: Enter the name of a file in this field. This field is case sensitive.
- Latest Version Only: The options are Yes or No. Yes returns information for only the latest version of the file. No returns information for all versions of the selected file.
- Applied between <begin date> and <end date>: This field allows you to search for file history information spanning a specified period of time. Click the calendar icon to select the date or enter the date directly in the field. The format for this field is mm/dd/yy. Some examples for the use of this field are:
 - Enter only the begin date. This search returns file history information from the begin date through today's date.
 - Enter only the end date. This search returns file history information up to the end date.
 - Enter the begin date and the end date. This search returns file history information between the begin date and the end date.
- APPL_TOP name: This is the name of the APPL_TOP containing the files. See the *Maintaining Oracle Applications* manual for more information on APPL_TOP name.

- Only Patches that change the Database: The options are Yes or No. Yes represents updates that have database drivers and No represents updates that do not have database drivers.
- Language: This list box allows you to select the language of an update to be queried. You can select one language or multiple languages. To select multiple languages, hold down the Ctrl key while making your selections.
- Server Type: Select the type of server where the updates were applied. The options are Forms server, Concurrent Processing server, Web server, and Admin server. You can select one server or multiple servers. To select multiple servers, hold down the Ctrl key while making your selections. Selecting Any Type returns file information on all servers

You must enter a value in the File Name field; otherwise, an error message appears requesting you to go back and enter a value. To submit the query, click the Submit button.

Patch Summary Report

The Patch Summary report displays the results of a query submitted through either the Simple Patches Search screen or the Advanced Patches Search screen. The query criteria entered in a search screen is presented at the top of the Patch Summary report. If the Patch Summary report contains multiple pages of retrieved information, use the Previous and Next links or the drop down list to navigate from page to page. The retrieved patch information is presented in increments of 25 line items per page. Each line item represents an applied update.

The screenshot shows the Oracle Applications Manager interface. At the top, there is the Oracle logo and 'Applications Manager' text. Below that, a blue bar indicates 'Applications Systems'. The main content area is titled 'Patch Summary: ap27db'. It displays search criteria: 'Patch Applied Between 10/03/01 10/29/01', 'Product', and 'Server Type'. A table lists the results of the query, with columns for Patch Name, Appl_Top Name, Language, Patch Applied, Completion Date, and Details. The table contains five rows of data. At the bottom of the page, there are 'Logout' and 'Help' links, and a copyright notice for 2001 Oracle Corp.

Patch Name	Appl_Top Name	Language	Patch Applied	Completion Date	Details
2024256	prod_all	US	Y	10/30/01 06:32:27	
2024362	tafnw1	US	Y	10/18/01 12:21:43	
2024362	tafnw1	US	Y	10/09/01 12:38:10	
1b	tafnw1	US	Y	10/17/01 12:06:14	
1563256	tafnw1	US	Y	10/19/01 10:55:32	

The details provided for each update are:

- Patch Name: This is the name of the update.
- APPL_TOP Name: This is the name of the APPL_TOP where the updates were applied.
- Language: Indicates the language of the update.

- Patch Applied: The values are Y or N. Y represents the update was applied successfully and N that it was not.
- Completion Date: This is the date and time the update was completed.
- Details: Clicking this link accesses the Patch Details report.

Clicking on the heading for a column allows you to sort the patch summary information based on the content in that column. The sortable columns have column headings that appear three-dimensional. The sort alternates between ascending and descending each time you click the column heading.

Patch Details Report

Clicking the Details link in a selected row of the Patch Summary report opens the Patch Details report. The Patch Details report provides details for a specific update. The patch summary information is carried over from the Patch Summary report and appears at the top of the Patch Details report.

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Applications Manager

Applications Systems

Patch Details: ap27db

App/TopName **tafmw1** Drivers Applied **1** Language **US**
Patch **2024362** Completion Date **10/09/01 12:38:10**

Select Driver File and view... Files Copied Bug Fixes Action Summary

Previous 1-1 of 1 Next

Select	Driver File	Start Date	End Date	Autopatch Options	Platform	Patch Top
<input checked="" type="radio"/>	c2024362.drv	10/09/2001 12:29:59	10/09/2001 12:38:10		SUN_OS5	/home/115_maint/2024362

Logout | Help

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This report contains the following information:

- Select: This option button determines which driver file details are presented in the Files Copied report, the Bug Fixes report, or the Action Summary report.
- Driver File: This is the name of the AutoPatch driver file.
- Start Date: This is the date and time the application of the driver file began.
- End Date: This is the date and time the application of the driver file completed.
- AutoPatch Options: This column displays any AutoPatch command line options used to run the driver file.
- Platform: This is the platform of the driver file.
- Patch Top: This is the location of the driver when it was run.

Clicking on the heading for a column allows you to sort the patch detail information based on the content in that column. The sortable columns have

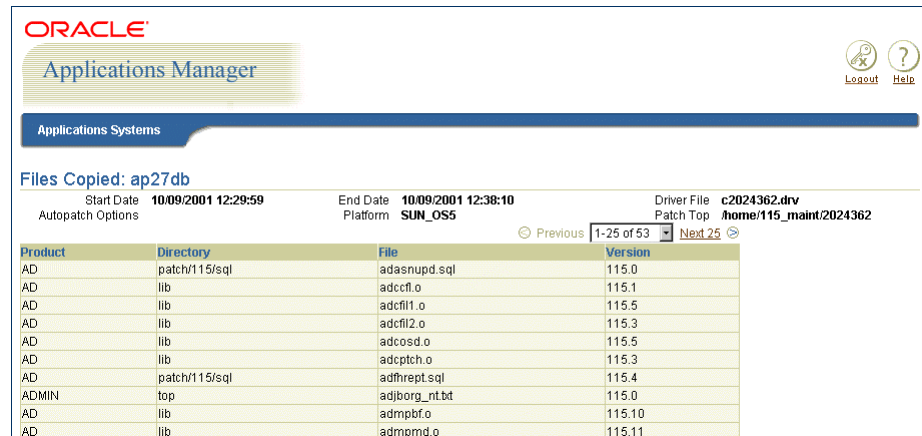
column headings that appear three-dimensional. The sort alternates between ascending and descending each time you click the column heading.

To see additional details for an update click on one of the following buttons:

- Files Copied: Clicking this button takes you to the Files Copied report.
- Bug Fixes: Clicking this button takes you to the Bug Fixes report.
- Action Summary: Clicking this button takes you to the Action Summary report.

Files Copied Report

By selecting a driver file in the Patch Details report and clicking the Files Copied button, the Files Copied report appears. This report lists all files copied to the file system as a result of the actions in the selected driver file. If the Files Copied report contains multiple pages of retrieved information, use the Previous and Next links or the drop down list to navigate from page to page. The retrieved information is presented in increments of 25 line items per page. Each line item represents a copied file.



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Files Copied: ap27db

Start Date: 10/09/2001 12:29:59 End Date: 10/09/2001 12:38:10 Driver File: c2024362.drv
Autopatch Options Platform: SUN_OS5 Patch Top: /home/115_maint/2024362

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Product	Directory	File	Version
AD	patch/115/sql	adasnupd.sql	115.0
AD	lib	adccfl.o	115.1
AD	lib	adccfl1.o	115.5
AD	lib	adccfl2.o	115.3
AD	lib	adccosd.o	115.5
AD	lib	adccptch.o	115.3
AD	patch/115/sql	adffrept.sql	115.4
ADMIN	top	adjborg_nt.bit	115.0
AD	lib	admppbf.o	115.10
AD	lib	admprmd.o	115.11

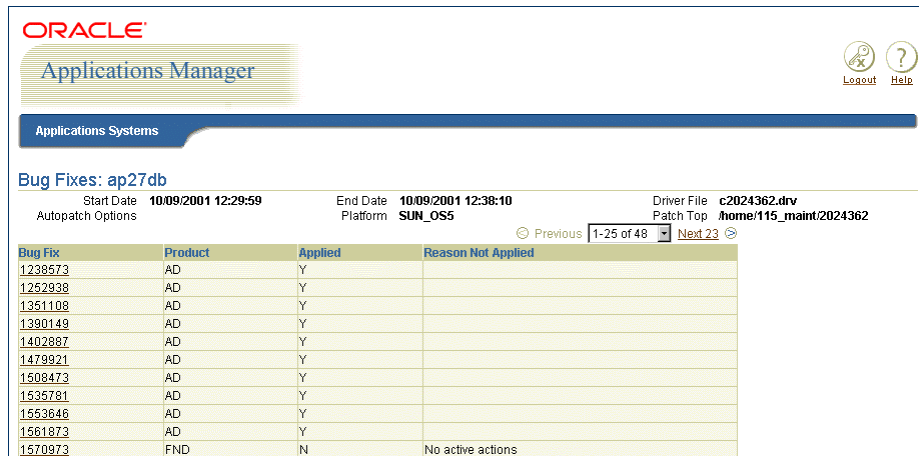
This report provides the following information about the files copied:

- Product: This is the product abbreviation for the product that owns the file.
- Directory: This is the directory path under the product where the file was copied.
- File: This is the name of the file.
- Version: This is the version number of the copied file.

If there are no files copied in the update, no rows are displayed.

Bug Fixes Report

By selecting a driver file in the Patch Details report and clicking the Bug Fixes button, the Bug Fixes report appears. This report lists all bug fixes included in the selected driver file. If the Bug Fixes report contains multiple pages of retrieved information, use the Previous and Next links or the drop down list to navigate from page to page. The retrieved bug fix information is presented in increments of 25 line items per page. Each line item represents a bug fix.



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Applications Systems

Bug Fixes: ap27db

Start Date 10/09/2001 12:29:59 End Date 10/09/2001 12:38:10 Driver File c2024362.drv
Autopatch Options Platform SUN_OS5 Patch Top /home/115_maint/2024362

Previous 1-25 of 48 Next 23

Bug Fix	Product	Applied	Reason Not Applied
1238573	AD	Y	
1252938	AD	Y	
1351108	AD	Y	
1390149	AD	Y	
1402887	AD	Y	
1479821	AD	Y	
1508473	AD	Y	
1535781	AD	Y	
1563646	AD	Y	
1561873	AD	Y	
1570973	FND	N	No active actions

This report provides the following information about bug fixes:

- **Bug Fix:** This is the bug number of the bug fixed as a result of the selected driver file. The items in this column are links. Clicking an item accesses the Action Summary report.
- **Product:** This is the product abbreviation for the product whose bug was fixed.
- **Applied:** This represents whether the bug fix was applied.
- **Reason Not Applied:** If the bug fix was not applied, the reason is stated here.

If there are no bug fixes in the update, no rows are displayed.

Action Summary Report

The Action Summary report is accessed by one of two methods:

- By selecting a driver file in the Patch Details report and clicking the Action Summary button.
- By clicking a bug fix number in the Bug Fix column of the Bug Fixes report.

This report provides summary information for the actions of a selected driver file. If the Action Summary report contains multiple pages of retrieved information, use the Previous and Next links or the drop down list to navigate from page to page. The retrieved information is presented in increments of 25 line items per page. Each line item represents a performed action.

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Applications Manager

Applications Systems

Applications Systems > Simple Patches Search > Patch Summary > Patch Details > Action Summary

Action Summary: ap27db

Start Date 10/09/2001 12:29:59 End Date 10/09/2001 12:38:10
 Autopatch Options Platform SUN_OS5
 Driver File c2024362.drv Patch Top /home/115_maint/2024362

Previous 1-25 of 1421 Next 25

Details	Bug Fix	Run	Action	Phase	Product	Directory	File	Before Vers	After Vers
Show	1238573	Y	libout		AD	lib	adpact.o		
Show	1238573	Y	libout		AD	lib	aifcf.o		
Show	1238573	Y	copy		AD	lib	adpact.o	115.29	115.31
Show	1238573	Y	copy		AD	lib	aifcf.o	115.5	115.12
Show	1238573	Y	libin		AD	lib	adpact.o	115.31	115.31
Show	1238573	Y	libin		AD	lib	aifcf.o	115.12	115.12
Show	1238573	Y	link		AD	bin	adadmin		

The Action Summary report provides the following summary information:

- **Details:** This link allows you to toggle between Show and Hide. Show expands the action item and provides you with details of the action. Hide contracts and hides the action details.
- **Bug Fix:** This is the bug number of the bug fixed as a result of the selected driver file.
- **Run:** This signifies whether the action was executed.
- **Action:** This is the type of action performed on the updated file.
- **Phase:** This is the phase in which the action occurred, if any.
- **Product:** This is the product abbreviation for the product that owns the file referenced by the action.
- **Directory:** This is the directory path for the file referenced by the action.
- **File:** This is the name of the file referenced by the action.
- **Before Vers:** This is the version of the file before the update.
- **After Vers:** This is the version of the file after the update.

If there are no actions in a driver file, no rows are displayed.

Action Details

Clicking the details link in a selected row of the Action Summary report to Show expands the action item and provides the following action details:

- **Command Modifier:** This specifies what type of SQL or EXEC command was run.
- **Check Object Name:** This is the name of the database object to check for.
- **Schema:** This is the database schema where AutoPatch looks for the check object.

- Password: This is the password for the database schema where AutoPatch looks for the check object.
- Arguments: These are extra arguments for SQL and EXEC commands.

File History Report

The File History report displays the results of a query submitted through either the Simple Files Search screen or the Advanced Files Search screen. The query criteria entered in the search screens are presented at the top of the File History report. If the File History report contains multiple pages of retrieved information, use the Previous and Next links or the drop down list to navigate from page to page. The retrieved information is presented in increments of 25 line items per page. Each line item represents the changing of a file due to its inclusion in an update.

The screenshot shows the Oracle Applications Manager interface. The page title is "Applications Manager" and the sub-page is "Applications Systems". The report is titled "File History: ap27db". The search criteria are: File Name: adpact.o, Language: Latest Version Only, APPL_TOP Name: Patches that change database, and Server Type. The table below shows the results:

Apppl_Top Name	Product	Directory	File	Version	Date Applied	Patch Details
tafhw1	AD	lib	adpact.o	115.31	10/09/01 12:38	2024362

Navigation links: Previous, 1-1 of 1, Next. Footer: Copyright 2001, Oracle Corp. Logout | Help

The details provided for a file are:

- APPL_TOP Name: This is the name of the APPL_TOP containing the files.
- Product: This is the product abbreviation for the product that owns the file.
- Directory: This is the directory path where the file is located.
- File: This is the name of the file.
- Version: This is the version number of the file.
- Date Applied: This is the date this version of the file was applied by an update.
- Patch Details: This column contains additional details pertaining to the file and the update it was included in.

If a file has never been updated, no rows are displayed.

PATCH HISTORY DATABASE TABLES

The new tables added to support the patch history database feature are:

Table Name	Description
AD_APPL_TOPS	Stores information about all APPL_TOPs utilizing this instance.
AD_APPLIED_PATCHES	Stores information about all distinct updates applied.
AD_BUGS	Stores information about all distinct bug fixes applied.
AD_DRIVERS	Stores information about the drivers that comprise an update.
AD_FILE_VERSIONS	Stores version information for files.
AD_FILES	Stores information about files in the system.
AD_PATCH_COMMON_ACTIONS	Stores information about actions in update driver files.
AD_PATCH_DRIVER_LANGS	Stores information about the languages included in an update driver file.
AD_PATCH_DRIVER_MINIPKS	Stores information about mini-packs.
AD_PATCH_RUN_BUG_ACTIONS	Stores detailed information about actions applied by an update.
AD_PATCH_RUN_BUGS	Stores information about all bug fixes included in an update, applied or not.
AD_PATCH_RUNS	Stores information about all invocations of AutoPatch for all of the various updates applied.
AD_RELEASES	Stores release information about the Oracle Applications system.

SUMMARY

The patch history database feature allows AutoPatch to store in the database all patch history and file history information of all updates applied to your Oracle Applications system. The patch and file history information can be queried easily through the Patch History and File History reports; the GUI is planned for future release. The patch history database feature is available as part of AD mini-pack 11i.AD.E or later.

Patch History Database Feature
Oracle Applications Release 11i
November 2001
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