

April 17, 2007

# Security Analysis

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## Oracle Critical Patch Update April 2007 Version Support Matrix

### OVERVIEW

The product versions supported by Oracle's Critical Patch Updates (CPU) are a subset of the certified versions, thus a certified version may not be supported by the latest CPU. This document highlights the differences between certified versions and April 2007 CPU supported versions.

*Note: As of April 2007, this document now includes support matrices for the Oracle Database and Oracle Application Server as well as the Oracle E-Business Suite.*

The significant changes to the version support matrices for the April 2007 CPU are –

#### **ORACLE DATABASE**

- 10.2.0.1 = no CPU support for major platforms
- 8.1.7.4 = no CPU patches for April 2007, due to Apps 11.0.3 desupport

#### **ORACLE APPLICATION SERVER**

- 9.0.4.1 and 9.0.4.2 = no CPU support
- 10.1.2.0.0 and 10.1.2.0.1 = no CPU support

#### **ORACLE E-BUSINESS SUITE**

- 11.0.3 = no CPU support as Error Correction Support (ECS) ended February 2007

### **ORACLE PATCH SET SUPPORT POLICY**

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Oracle only develops fixes for security vulnerabilities in recent patch sets. Even though a patch set may be fully certified and supported under Premier support or Error Correction Support (ECS), generally only patch sets released in the past year and terminal release patch sets are supported by the CPU. Oracle has consistently not supported patch sets released longer than 18 months, although, there are a few exceptions to this policy due to product dependencies and other factors.

From Oracle Metalink Note ID [360470.1](#) #13 – "As a general rule, Critical Patch Updates (CPUs) are created for the last two patch sets of Server Technologies releases during the period when a release is in Premier Support (under the Lifetime Support Policy) or Error Correction Support (ECS). However, in the case where the latest patch set of a release has been available for more than 1 year, CPUs will be provided only for the most recent patch set for that release. Once a release enters its Extended Support (under the Lifetime Support Policy) or Extended Maintenance Support (EMS) period, CPUs are created only for the last patch set of that release."

## ORACLE DATABASE

### **8.1.7.4 = DESUPPORTED**

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There are no April 2007 CPU patches for 8.1.7.4. Even though 8.1.7.4 was desupported in December 2006, Oracle did release 8.1.7.4 patches as part of the January 2007 CPU only to support Oracle Applications 11.0.3. 8.1.7.4 is still under "Extended Support" until December 2007 and indefinite Lifetime "Sustaining Support", however, these support levels do not include bug fixes or security patches.

### **10.2.0.1 = No CPU SUPPORT**

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The base release of 10gR2 (10.2.0.1) is not supported for the April 2007 CPU for major platforms. Patches are only available for HP Itanium, Linux on Power PC, and Solaris AMD64.

### **ON REQUEST PATCHES FOR SMALL INSTALL-BASE PLATFORMS**

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Oracle will be instituting a new policy with the July 2007 CPU in that platforms with few downloads of CPU patches will not have patches proactively developed. The CPU patches will only be available upon request.

"Oracle will no longer issue proactive patches for platform-version combinations that have had fewer than 10 downloads in the prior CPU period. Beginning with CPUJul2007, Oracle will deliver patches for these historically inactive platform-version combinations to customers on an on-demand basis. Oracle will continue to include fixes for those vulnerabilities in the main product code line and current patchset(s)."

## ORACLE DATABASE CPU SUPPORT MATRIX

The CPU support matrix identifies the platforms with available patches for the April 2007 CPU.

Patch Set	Desupport Date <sup>1</sup>	UNIX <sup>1</sup> (AIX, HP, Sun)	Linux (x86)	Windows (x86)	Other <sup>2</sup>
<b>8i</b>					
<b>8.1.7.x</b>	Dec-2006	Not supported	Not supported	Not supported	Not supported
<b>9i</b>					
<b>9.0.1.x</b>	Dec-2003	Not supported	Not supported	Not supported	Not supported
<b>9iR2</b>					
<b>9.2.0.1</b>	Jul-2007	Not supported	Not supported	Not supported	Not supported
<b>9.2.0.2</b>	Jul-2007	Not supported	Not supported	Not supported	Not supported
<b>9.2.0.3</b>	Jul-2007	Not supported	Not supported	Not supported	Not supported
<b>9.2.0.4</b>	Jul-2007	Not supported	Not supported	Not supported	Not supported
<b>9.2.0.5</b>	Jul-2007	Not supported	Not supported	Not supported	Some
<b>9.2.0.6</b>	Jul-2007	Not supported	Not supported	Not supported	Not supported
<b>9.2.0.7</b>	Jul-2007	Yes	Yes	Yes	Yes
<b>9.2.0.8</b>	Jul-2010	Yes	Yes	Yes (delayed)	Yes
<b>10g</b>					
<b>10.1.0.1</b>	Jan-2009	Not supported	Not supported	Not supported	Not supported
<b>10.1.0.2</b>	Jan-2009	Not supported	Not supported	Not supported	Not supported
<b>10.1.0.3</b>	Jan-2009	Not supported	Not supported	Not supported	Not supported
<b>10.1.0.4</b>	Jan-2009	Yes	Yes	Yes	Some
<b>10.1.0.5</b>	Jan-2009	Yes	Yes	Yes	Some
<b>10gR2</b>					
<b>10.2.0.1</b>	Jul-2010	Not supported	Not supported	Not supported	Some
<b>10.2.0.2</b>	Jul-2010	Yes	Yes	Yes	Yes
<b>10.2.0.3</b>	Jul-2010	Yes	Yes	Yes	Some

<sup>1</sup> Information is for the Sun Solaris SPARC platform and is generally applicable to the other major UNIX (IBM AIX and HP/UX), although, there may be exceptions. UNIX information is for the major UNIX platforms including Sun Solaris SPARC, HP-UX, and IBM AIX 5L. Other UNIX versions are included under the "Other" column.

<sup>2</sup> Other platforms includes all other supported Oracle platforms (i.e., Tru64, MacOS, OS/390, VMS, etc.) and is generalized for support of one or more platforms.

## CPU FUTURE SUPPORT

For planning purposes, Integrigy provides estimates for the supported versions in the next three CPU releases. Since most significant database upgrades require several months of testing and planning, these estimates should be considered in your database upgrade planning to ensure CPU patches can be applied as quickly as possible after release. These estimates are based on public information provided by Oracle through Metalink including desupport notices, certification information, patch set release dates, CPU patch set history, and the Oracle CPU patch set support policy.

The supported versions are for major platforms only (Linux, Sun Solaris SPARC, IBM AIX 5L, and HP/UX). The percentage in parenthesis is an indicator of our confidence in the estimate since the estimate is dependent on the timely release of future patch sets and other difficult to determine factors.

Patch Set	Desupport Date	First CPU	July 2007	October 2007	January 2007
<b>9iR2</b>					
9.2.0.7	Jul-2007	Oct-2005	Yes	No (100%)	No (100%)
9.2.0.8	Jul-2010	Oct-2006	Yes	Yes	Yes
<b>10g</b>					
10.1.0.4	Jan-2009	Apr-2005	No (100%)	No (100%)	No (100%)
10.1.0.5	Jan-2009	Jan-2006	Yes	Yes	No (50%)
10.1.0.6	Jan-2009	-	Yes	Yes	Yes
10.1.0.7	Jan-2009	-	-	-	Yes
<b>10gR2</b>					
10.2.0.2	Jul-2010	Apr-2006	Yes	No (60%)	No (95%)
10.2.0.3	Jul-2010	Jan-2007	Yes	Yes	No (40%)
10.2.0.4	Jul-2010	-	-	Yes	Yes
10.2.0.5	Jul-2010	-	-	-	Yes

### Notes:

Patch sets are assumed to be released every 6-12 months.

9.2.0.7 = Beginning with the October 2007 CPU, only the 9.2.0.8 patch set will be supported. All 9.2 databases should be upgraded to either 9.2.0.8 or 10g prior to October 2007.

10.1.0.6 = Anticipated release date is Q2 2007 as stated in Metalink Certify.

## ORACLE APPLICATION SERVER

### **9.0.4.1 AND 9.0.4.2 = No CPU SUPPORT**

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There is no CPU support for 9.0.4.1 or 9.0.4.2. An upgrade to 9.0.4.3 is required in order to install the CPU patches.

### **10.1.2.0.0 AND 10.1.2.0.1 = No CPU SUPPORT**

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There is no CPU Support for 10.1.2.0.0 or 10.1.2.0.1, even though both of these versions had planned patches for AIX 5L, HP-UX, Linux, and Windows Itanium listed in the January 2007 CPU information. An upgrade to 10.1.2.2.0 is required in order to install the CPU patches.

### **CHANGES FOR JULY 2007 CPU**

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No significant changes to the supported versions are anticipated for the July 2007 CPU.

## ORACLE APPLICATION SERVER CPU SUPPORT MATRIX

The CPU support matrix identifies the platforms with available middle tier patches for the April 2007 CPU. The Oracle Application server is a complex product with numerous components, which may require additional patches. The database infrastructure tier, Web Cache, Developer, and J2EE components all may require patching and have unique version requirements.

Patch Set	Desupport Date <sup>1</sup>	UNIX <sup>1</sup> (AIX, HP, Sun)	Linux (x86)	Windows (x86)	Other <sup>2</sup>
<b>9iR1</b>					
<b>1.0.2.2.1</b>	Jun-2004	Not supported	Not supported	Not supported	Not supported
<b>1.0.2.2.2<sup>3</sup></b>	Jun-2004	Not supported	Not supported	Not supported	Not supported
<b>9iR2</b>					
<b>9.0.2.x.x</b>	Jul-2005	Not supported	Not supported	Not supported	Not supported
<b>9.0.3.x.x</b>	Jul-2005	Not supported	Not supported	Not supported	Not supported
<b>10g</b>					
<b>9.0.4.0.0</b>	Dec-2008	Not supported	Not supported	Not supported	Not supported
<b>9.0.4.1.0</b>	Dec-2008	Not supported	Not supported	Not supported	Not supported
<b>9.0.4.2.0</b>	Dec-2008	Not supported	Not supported	Not supported	Not supported
<b>9.0.4.3.0</b>	Dec-2008	Yes	Yes	Yes	Some
<b>10gR2</b>					
<b>10.1.2.0.0</b>	-	Not supported	Not supported	Not supported	Not supported
<b>10.1.2.0.1</b>	-	Not supported	Not supported	Not supported	Not supported
<b>10.1.2.0.2</b>	-	Yes	Yes	Yes	Yes
<b>10.1.2.1.0</b>	-	Yes	Yes	Yes	Yes
<b>10.1.2.2.0</b>	-	Yes	Yes	Yes	Some
<b>10gR3</b>					
<b>10.1.3.0.0</b>	-	Yes	Yes	Yes	Some
<b>10.1.3.1.0</b>	-	Yes	Yes	Yes	Some
<b>10.1.3.2.0</b>	-	Yes	Yes	Yes	Some

<sup>1</sup> Information is for the Sun Solaris SPARC platform and is generally applicable to the other major UNIX (IBM AIX and HP/UX), although, there are some exceptions. UNIX information is for the major UNIX platforms including Sun Solaris SPARC, HP-UX, and IBM AIX 5L. Other UNIX versions are included under the "Other" column.

<sup>2</sup> Other platforms includes all other supported Oracle platforms (i.e, Tru64, MacOS, OS/390, VMS, etc.) and is generalized for support of one or more platforms.

<sup>3</sup> 1.0.2.2.2 is supported for the Oracle E-Business Suite 11.5.7 through 11.5.10CU2.

## ORACLE E-BUSINESS SUITE

### 11.0.3 DESUPPORTED

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Error Correction Support (ECS) ended February 2007, thus no more CPU patches for 11.0.x.

### ORACLE DEVELOPER 6.0.8.27 ONLY SUPPORTED VERSION

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As with the January 2007 CPU, the only supported Oracle Developer version is 6.0.8.27 (Patchset 18).

### 11.5.7 – 11.5.10 REBASELINE REQUIRED

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Oracle has made the rebaselined 11.5.7 – 11.5.10.2 technology components mandatory beginning with the July 2006 and all subsequent CPUs. From the CPU note – “From July 2006 onwards, all Oracle Applications Technology Release 11*i* rollups and one-off patches, as well as Critical Patch Updates, are certified only with this minimum 11*i* ATG\_PF baseline.” This may mean significant applications technology stack upgrades, especially for environments that have not been recently upgraded. See Metalink Note [363827.1](#) for a complete list of required patches for each version, which is continuously updated with new patches and other information.

### 11.5.10.X ATG RUP3 OR RUP4 REQUIRED

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As with the January 2007 CPU, the April 2007 CPU requires 11.5.10, 11.5.10.1 (CU1), and 11.5.10.2 (CU2) have the Oracle Applications Technology 11i.ATG\_PF.H RUP3 (4334965) or 11i.ATG\_PF.H RUP4 (4676589) applied. Oracle recommends RUP4.

### ATG REQUIREMENTS SUMMARY

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The following table summarizes the required ATG patches for the April 2007 CPU by version, which last changed with the July 2006 CPU –

	Rebaselined	ATG_PF.H Rollup
<b>11.5.7</b>	See Metalink Note ID 363827.1 for a list of required patches (last updated October 11, 2006)	None
<b>11.5.8</b>		
<b>11.5.9</b>		
<b>11.5.10</b>	See ATG_PF.H Rollup →	11i.ATG_PF.H RUP3 (4334965) or
<b>11.5.10.1</b>		11i.ATG_PF.H RUP4 (4676589)
<b>11.5.10.2</b>		

Note: For the July 2007 CPU and onwards, the ATG\_PF RUP n-1 or ATG\_PF RUP n will be required as a minimum baseline for all releases. Therefore, beginning with the July 2007 CPU all Oracle Applications implementations must be running 11.5.10 in order to install CPU patches. This date is well before the Premier Support End Date of June 2008 for 11.5.9.

## ORACLE E-BUSINESS SUITE TECHNOLOGY STACK SUPPORT MATRIX

The following table shows the supported patchsets (black) and unsupported patchsets (red italics) for the April 2007 CPU –

Release	Database	App Server (Apache)	Developer	JInitiator (WinXP)	FND.x	ATG_PF
<b>11.5.1-6</b>	<b><i>Desupported</i></b>					
<b>11.5.7</b>	<b>8.1.7.3</b> <b>8.1.7.4*</b> <b>9.2.0.2 – 6</b> 9.2.0.7 – 8	<b>1.0.2.1.x*</b> <b>(1.3.12)</b> 1.0.2.2.2 (1.3.19)	<b>6.0.8.18 (P9)*</b> <b>6.0.8.x (P10 – P17)</b> 6.0.8.27 (P18)	<b>1.1.8.16*</b> <b>1.1.8.19 – 24</b> 1.1.8.25 <b>1.3.1.9 – 25</b> 1.3.1.26-28	<b>FND.E*</b> <b>FND.F</b> FND.G FND.H	Rebaselined per Metalink Note ID 363827.1
<b>11.5.8</b>	<b>8.1.7.4</b> <b>9.2.0.2</b> <b>9.2.0.3*</b> <b>9.2.0.4 – 6</b> 9.2.0.7 – 8	<b>1.0.2.1.x*</b> <b>(1.3.12)</b> 1.0.2.2.2 (1.3.19)	<b>6.0.8.18 (P9)*</b> <b>6.0.8.x (P10 – P17)</b> 6.0.8.27 (P18)	<b>1.1.8.16*</b> <b>1.1.8.19 – 24</b> 1.1.8.25 <b>1.3.1.9 – 25</b> 1.3.1.26 – 28	<b>FND.F*</b> FND.G – H	Rebaselined per Metalink Note ID 363827.1
<b>11.5.9</b>	<b>9.2.0.2</b> <b>9.2.0.3*</b> <b>9.2.0.4 – 6</b> 9.2.0.7 – 8 10.1.0.4 – 5 10.2.0.2	<b>1.0.2.1.x*</b> <b>(1.3.12)</b> 1.0.2.2.2 (1.3.19)	<b>6.0.8.21 (P12)*</b> <b>6.0.8.x (P9 – P17)</b> 6.0.8.27 (P18)	<b>1.1.8.16*</b> <b>1.1.8.19 – 24</b> 1.1.8.25 <b>1.3.1.9 – 25</b> 1.3.1.26 – 28	FND.G* FND.H	Rebaselined per Metalink Note ID 363827.1
<b>11.5.10</b>	<b>9.2.0.4</b> <b>9.2.0.5*</b> <b>9.2.0.6</b> 9.2.0.7 – 8 10.1.0.4 – 5 10.2.0.2	<b>1.0.2.1.x*</b> <b>(1.3.12)</b> 1.0.2.2.2 (1.3.19)	<b>6.0.8.24 (P15)*</b> <b>6.0.8.x (P16-P17)</b> 6.0.8.27 (P18)	<b>1.1.8.19 – 24</b> 1.1.8.25 <b>1.3.1.18*</b> <b>1.3.1.21-25</b> 1.3.1.26-28	FND.H*	11i.ATG_PF.H RUP3 or 11i.ATG_PF.H RUP4
<b>11.5.10.2</b>	<b>9.2.0.4</b> <b>9.2.0.5*</b> <b>9.2.0.6</b> 9.2.0.7 – 8 10.1.0.4 – 5 10.2.0.2	<b>1.0.2.1.x*</b> <b>(1.3.12)</b> 1.0.2.2.2 (1.3.19)	<b>6.0.8.24 (P15)*</b> <b>6.0.8.25 (P16-P17)</b> 6.0.8.27 (P18)	<b>1.1.8.19 – 24</b> 1.1.8.25 <b>1.3.1.18*</b> <b>1.3.1.21-25</b> 1.3.1.26-28	FND.H*	11i.ATG_PF.H RUP3 or 11i.ATG_PF.H RUP4

### ***Desupported***

### ***Certified, No CPU Support***

Certified, CPU Support

\* Fresh Install Version

Note: All versions are based Sun Solaris SPARC and may differ slightly based on operating system and other factors. Please use the Certify tool in Oracle Metalink and the CPU installation notes for determining the exact supported versions for your platform.

## REFERENCES

### ***CRITICAL PATCH UPDATE***

- Oracle Critical Patch Update April 2007 Advisory, 17 April 2007, [Oracle Metalink Note ID 420055.1](#)

### ***ORACLE DATABASE***

- Critical Patch Update Availability Information for Oracle Server and Middleware Products, 17 April 2007, [Oracle Metalink Note ID 420061.1](#)
- Oracle 9iR2 Extended Support, <http://www.oracle.com/features/hp/database-9i-support.html>

### ***ORACLE APPLICATION SERVER***

- Critical Patch Update Availability Information for Oracle Server and Middleware Products, 17 April 2007, [Oracle Metalink Note ID 420061.1](#)
- Oracle9i Application Server 1.0.2.2 & 1.0.2.2.x, 13 April 2006, [Oracle Metalink Note ID 231674.1](#)
- Oracle9iAS Release 2 (9.0.2) Support Status and Alerts, 21 November 2005, [Oracle Metalink Note ID 248327.1](#)
- Oracle9iAS Release 2 (9.0.3) Support Status and Alerts, 26 October 2006, [Oracle Metalink Note ID 248328.1](#)
- Oracle Application Server 10g (9.0.4) Support Status and Alerts, 14 December 2006, [Oracle Metalink Note ID 248904.1](#)
- Oracle Application Server 10g (10.1.2) Support Status and Alerts, 19 February 2007, [Oracle Metalink Note ID 329361.1](#)
- Oracle Application Server 10g Release 3 (10.1.3) Support Status and Alerts, 26 March 2007, [Oracle Metalink Note ID 397022.1](#)

### ***ORACLE E-BUSINESS SUITE***

- Oracle Critical Patch Update April 2007 Pre-Installation Note for Oracle E-Business Suite, 17 April 2007, [Metalink Note ID 420072.1](#)
- Rebaselined Oracle Applications Technology Components for Releases 11.5.7, 11.5.8, 11.5.9, and 11.5.10, 11 October 2006, [Metalink Note ID 363827.1](#)

## HISTORY

April 17, 2007 – Initial Version

## ABOUT INTEGRIGY

Integrigy Corporation is a leader in application security for large enterprise, mission critical applications. Our application vulnerability assessment tool, AppSentry, assists companies in securing their largest and most important applications. AppDefend is an intrusion prevention system for Oracle Applications and blocks common types of attacks against application servers. Integrigy Consulting offers security assessment services for leading ERP and CRM applications.

AppSentry and AppDefend have been updated to detect and/or block the vulnerabilities addressed in the Oracle Critical Patch Update – April 2007.

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