

April 21, 2008

Security Analysis

Oracle Critical Patch Update April 2008 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 2008 CPU supported versions.

The significant changes to the version support matrices for the April 2008 CPU are –

ORACLE DATABASE

- 10.2.0.2 is only supported on Solaris x86 and VMS

ORACLE APPLICATION SERVER

- 10.1.3.0.0 is no longer supported by the CPU

ORACLE E-BUSINESS SUITE

- ATG_PF.H RUP5 or RUP6 is required for all versions (11.5.9 through 11.5.10.2)

ORACLE PATCH SET SUPPORT POLICY

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."

The "Database, FMW, and OCS Software Error Correction Support Policy Version 2.1" ([Metalink Note ID 209768.1](#)) provides more details on the CPU support policy, since there are a number of exceptions or deviations in the policy based on platforms and extended support. Appendix A gives exact timing for patchset support for the database and Fusion middleware, which is 1 year from the release of the most current

patchset. For database versions under Extended Support, CPU patches will be available for the terminal patchset until Extended Support period ends.

ORACLE DATABASE

There are no significant changes for the April 2008 CPU. 10.2.0.2 is only supported for Solaris x86 and VMS.

Overall, the only supported database patch sets are –

- 11g = 11.1.0.6
- 10gR2 = 10.2.0.2 (partial) and 10.2.0.3
- 10gR1 = 10.1.0.5
- 9iR2 = 9.2.0.8

ON REQUEST PATCHES FOR SMALL INSTALL-BASE PLATFORMS

Oracle has instituted a new policy beginning 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)."

The following patches are only available through a support request –

Database		Application Server	
1.	10.1.0.5 IBM zLinux	1.	9.0.4.3 AIX 5L
2.	10.1.0.5 IBM z/OS 390	2.	9.0.4.3 HP-UX
3.	10.1.0.5 Linux on Power	3.	9.0.4.3 Tru64
4.	10.1.0.5 Mac OS	4.	10.1.2.0.2/10.1.2.1.0 IBM zLinux
		5.	10.1.2.0.2/10.1.2.1.0 Linux on Power
		6.	10.1.3.1/10.1.3.2 IBM zLinux
		7.	10.1.3.1/10.1.3.2 Linux on Power

ORACLE DATABASE CPU SUPPORT MATRIX

The CPU support matrix identifies the platforms with available patches for the April 2008 CPU.

Patch Set	Desupport Date ¹	UNIX ¹ (AIX, HP, Sun)	Linux (x86)	Windows (x86)	Other ²
8i					
8.1.7.x	Dec-2006	Not supported	Not supported	Not supported	Not supported
9i					
9.0.1.x	Dec-2003	Not supported	Not supported	Not supported	Not supported
9iR2					
9.2.0.1	Jul-2007	Not supported	Not supported	Not supported	Not supported
9.2.0.2	Jul-2007	Not supported	Not supported	Not supported	Not supported
9.2.0.3	Jul-2007	Not supported	Not supported	Not supported	Not supported
9.2.0.4	Jul-2007	Not supported	Not supported	Not supported	Not supported
9.2.0.5	Jul-2007	Not supported	Not supported	Not supported	Not supported
9.2.0.6	Jul-2007	Not supported	Not supported	Not supported	Not supported
9.2.0.7	Jul-2007	Not supported	Not supported	Not supported	Not supported
9.2.0.8	Jul-2010	Yes	Yes	Yes	Yes
10g					
10.1.0.1	Jan-2009	Not supported	Not supported	Not supported	Not supported
10.1.0.2	Jan-2009	Not supported	Not supported	Not supported	Not supported
10.1.0.3	Jan-2009	Not supported	Not supported	Not supported	Not supported
10.1.0.4	Jan-2009	Not supported	Not supported	Not supported	Not supported
10.1.0.5	Jan-2012	Yes	Yes	Yes	Yes
10gR2³					
10.2.0.1	Jul-2010	Not supported	Not supported	Not supported	Not supported
10.2.0.2	Jul-2010	Not supported	Not supported	Not supported	Limited
10.2.0.3	Jan-2009 ³	Yes	Yes	Yes	Yes
11gR1³					
11.1.0.6	Dec-2009 ^{3,4}	Yes	Yes	Yes	Limited

¹ 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.

² 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.

³ Actual desupport dates for the terminal patchset have not yet been released for 10gR2 or 11gR1 as the terminal patches have not yet been released. The specific identified patchsets will be desupported according to Oracle desupport notices as of these dates. The Extended Support end date for 10gR2 is July 2013. The Extended Support end date for 11gR1 is August 2015.

⁴ Estimated by Integrity.

CPU FUTURE SUPPORT

For planning purposes, Integrigy attempts to predict 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 prediction since the prediction is dependent on the timely release of future patch sets and other difficult to determine factors.

The most significant upcoming changes are –

- 10.2.0.2 will only be supported for Solaris x86 and VMS through at least July 2008.

Patch Set	Desupport Date	First CPU	July 2008	October 2008	January 2009
9iR2					
9.2.0.8	Jul-2010	Oct-2006	Yes	Yes	Yes
10g					
10.1.0.5	Jan-2012	Jan-2006	Yes	Yes	Yes
10gR2					
10.2.0.2	Apr-2008	Apr-2006	Solaris x86/VMS	No	No
10.2.0.3	Jan-2009	Jan-2007	Yes	Yes	Yes (last)
10.2.0.4	Oct-2010 ¹	Jul-2008	Yes ²	Yes	Yes

¹ Assuming 10.2.0.5 is the terminal patchset for 10gR2, although, Oracle has not yet announced if a 10.2.0.5 patchset will be available.

² 10.2.0.4 = Released for first platforms including Linux and Windows.

ORACLE APPLICATION SERVER

CHANGES FOR APRIL 2008 CPU

There are no significant changes to the CPU support for April 2008.

ORACLE APPLICATION SERVER CPU SUPPORT MATRIX

The CPU support matrix identifies the platforms with available middle tier patches for the April 2008 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 ¹	UNIX ¹ (AIX, HP, Sun)	Linux (x86)	Windows (x86)	Other ²
9iR1					
1.0.2.2.1	Jun-2004	Not supported	Not supported	Not supported	Not supported
1.0.2.2.2 ³	Jun-2004	Not supported	Not supported	Not supported	Not supported
9iR2					
9.0.2.x.x	Jul-2005	Not supported	Not supported	Not supported	Not supported
9.0.3.x.x	Jul-2005	Not supported	Not supported	Not supported	Not supported
10g					
9.0.4.0.0	Dec-2008	Not supported	Not supported	Not supported	Not supported
9.0.4.1.0	Dec-2008	Not supported	Not supported	Not supported	Not supported
9.0.4.2.0	Dec-2008	Not supported	Not supported	Not supported	Not supported
9.0.4.3.0	Dec-2008	Yes	Yes	Yes	Not supported
10gR2					
10.1.2.0.0	Dec-2008	Not supported	Not supported	Not supported	Not supported
10.1.2.0.1	Dec-2008	Not supported	Not supported	Not supported	Not supported
10.1.2.0.2	Dec-2008	Yes	Yes	Yes	Yes
10.1.2.1.0	Dec-2008	Yes	Yes	Yes	Yes
10.1.2.2.0	Jan-2010	Yes	Yes	Yes	Yes
10.1.2.3.0	Jan-2010	Yes	Yes	Yes	None
10gR3					
10.1.3.0.0	Dec-2009	Not supported	Not supported	Not supported	Not supported
10.1.3.1.0	Dec-2009	Yes	Yes	Yes	Yes
10.1.3.2.0	Dec-2009	Yes	Yes	Yes	Yes
10.1.3.3.0	Dec-2009	Yes	Yes	Yes	Yes

¹ 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.

² 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.

³ 1.0.2.2.2 is supported for the Oracle E-Business Suite 11.5.9 through 11.5.10CU2.

CPU FUTURE SUPPORT

The upcoming major changes in CPU support for the Oracle Application Server are as follows –

Version	Last CPU	Notes
9.0.4.3	October 2008	Only patches for Solaris and Windows 32-bit will be created with AIX 5L, HP/UX, Linux x86, Tru64 being On-Request
10.1.2.0.2/10.1.2.1.0	April 2008	No CPU support for any platform
10.1.2.2	January 2009	Patches for Linux Itanium, Tru64, and Windows 64-bit will be On-Request
10.1.3.1/10.1.3.2	July 2008	Patches for HP/UX, HP Itanium, IBM zLinux, Linux Itanium, Linux on Power, Solaris x86, and Windows 64-bit will be On-Request
10.1.3.3	-	Patch for Windows 64-bit will be On-Request

ORACLE E-BUSINESS SUITE

11.5.9 FUTURE CPU SUPPORT

Premier support for 11.5.9 ends June 2008. According to Oracle's support policy, there will be no CPU support for 11.5.9 in the July 2008 CPU. Oracle recently announced an extension to the support for 11.5.9, however, the CPU E-Business Suite Note clearly states "Oracle E-Business Suite Release 11.5.9 will be desupported for CPU July 2008."

ATG_PF.H RUP5 AND RUP6 REQUIRED FOR ALL RELEASES

Beginning with the July 2007 CPU, the ATG_PF RUP n-1 or ATG_PF RUP n is required as a minimum baseline for all releases. This is for all releases including 11.5.9, which previously only required the "Rebaseline" (Metalink Note ID [363827.1](#)).

Integrigy anticipates Oracle will follow strict compliance with the ATG_PF RUP policy, therefore, we believe the July 2008 CPU will support RUP 5 and RUP6 – the same as April 2008.

11i.ATG_PF.H RUP5 = 5473858 Metalink Note ID [375682.1](#) (April 2007)

11i.ATG_PF.H RUP6 = 5903765 Metalink Note ID [444524.1](#) (October 2007)

ORACLE JINITIATOR VERSION

Due to security vulnerabilities in the Oracle Jinitiator 1.1.8.x, all customers running 1.1.8.x must upgrade to one of the following –

- Oracle Jinitiator 1.1.8.27
- Oracle Jinitiator 1.3.1.26 or higher
- Sun Java Plug-in 1.5.0__12 or 1.5.0_13

In addition to upgrading Jinitiator, all previous Jinitiator versions installed on all client PCs must be removed.

ORACLE E-BUSINESS SUITE TECHNOLOGY STACK SUPPORT MATRIX

The following table shows the supported patchsets (black) and unsupported patchsets (red italics) for the April 2008 CPU –

Release	Database	App Server (Apache)	Developer	JInitiator (Windows 2000/XP)	FND.x	ATG_PF
11.5.1 – 11.5.8	<i>Desupported</i>					
11.5.9	<i>9.2.0.2</i> <i>9.2.0.3*</i> <i>9.2.0.4 – 7</i> 9.2.0.8 <i>10.1.0.4</i> 10.1.0.5 <i>10.2.0.2</i> 10.2.0.3	<i>1.0.2.1.x*</i> <i>(1.3.12)</i> 1.0.2.2.2 (1.3.19)	<i>6.0.8.21 (P12)*</i> <i>6.0.8.x (P9 – P17)</i> 6.0.8.27 (P18)	<i>1.1.8.16*</i> <i>1.1.8.19 – 25</i> 1.1.8.27 <i>1.3.1.9 – 28</i> 1.3.1.29	<i>FND.G*</i> FND.H	11i.ATG_PF.H and (11i.ATG_PF.H RUP5 or 11i.ATG_PF.H RUP6)
11.5.10	<i>9.2.0.4</i> <i>9.2.0.5*</i> <i>9.2.0.6 – 7</i> 9.2.0.8 <i>10.1.0.4</i> 10.1.0.5 <i>10.2.0.2</i> 10.2.0.3	<i>1.0.2.1.x*</i> <i>(1.3.12)</i> 1.0.2.2.2 (1.3.19)	<i>6.0.8.24 (P15)*</i> <i>6.0.8.x (P16-P17)</i> 6.0.8.27 (P18)	<i>1.1.8.19 – 24</i> 1.1.8.27 <i>1.3.1.18*</i> <i>1.3.1.21-28</i> 1.3.1.29	FND.H*	11i.ATG_PF.H RUP5 or 11i.ATG_PF.H RUP6
11.5.10.2	<i>9.2.0.4</i> <i>9.2.0.5*</i> <i>9.2.0.6 – 7</i> 9.2.0.8 <i>10.1.0.4</i> 10.1.0.5 <i>10.2.0.2</i> 10.2.0.3	<i>1.0.2.1.x*</i> <i>(1.3.12)</i> 1.0.2.2.2 (1.3.19)	<i>6.0.8.24 (P15)*</i> <i>6.0.8.25 (P16-P17)</i> 6.0.8.27 (P18)	<i>1.1.8.19 – 24</i> 1.1.8.27 <i>1.3.1.18*</i> <i>1.3.1.21-28</i> 1.3.1.29	FND.H*	11i.ATG_PF.H RUP5 or 11i.ATG_PF.H RUP6

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 2008 Advisory, 15 April 2008, <http://www.oracle.com/technology/deploy/security/critical-patch-updates/cpuapr2008.html>
- Oracle Lifetime Support Policy, <http://www.oracle.com/support/library/brochure/oracle-lifetime-support.pdf>
- Database, FMW, and OCS Software Error Correction Support Policy Version 2.1, [Metalink Note ID 209768.1](#)

ORACLE DATABASE

- Critical Patch Update Availability Information for Oracle Server and Middleware Products, 15 April 2008, [Oracle Metalink Note ID 552248.1](#)
- 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, 15 April 2008, [Oracle Metalink Note ID 552248.1](#)
- 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 2008 Pre-Installation Note for Oracle E-Business Suite, 15 April 2008, [Oracle Metalink Note ID Note 557157.1](#)
- Prior E-Business Suite Security Alerts, 25 March 2008, [Oracle Metalink Note ID 315713.1](#)
- E-Business Suite (Oracle Applications) 11.5.1 through 11.5.6 Desupport Notice, 12 June 2007, [Oracle Metalink Note ID 329689.1](#)
- Rebaselined Oracle Applications Technology Components for Releases 11.5.7, 11.5.8, 11.5.9, and 11.5.10, 3 March 2008, [Oracle Metalink Note ID 363827.1](#)

HISTORY

April 21, 2008 – 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 2008.

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