

# Oracle Critical Patch Update Advisory - October 2018

## Description

A Critical Patch Update is a collection of patches for multiple security vulnerabilities. Critical Patch Update patches are usually cumulative, but each advisory describes only the security fixes added since the previous Critical Patch Update advisory. Thus, prior Critical Patch Update advisories should be reviewed for information regarding earlier published security fixes. Please refer to:

- [Critical Patch Updates, Security Alerts and Bulletins](#) for information about Oracle Security Advisories.

**Oracle continues to periodically receive reports of attempts to maliciously exploit vulnerabilities for which Oracle has already released fixes. In some instances, it has been reported that attackers have been successful because targeted customers had failed to apply available Oracle patches. Oracle therefore strongly recommends that customers remain on actively-supported versions and apply Critical Patch Update fixes without delay.**

This Critical Patch Update contains 301 new security fixes across the product families listed below. Please note that an MOS note summarizing the content of this Critical Patch Update and other Oracle Software Security Assurance activities is located at [October 2018 Critical Patch Update: Executive Summary and Analysis](#).

## Affected Products and Patch Information

Security vulnerabilities addressed by this Critical Patch Update affect the products listed below. The product area is shown in the Patch Availability Document column. Please click on the links in the Patch Availability Document column below to access the documentation for patch availability information and installation instructions.

Affected Products and Versions	Patch Availability Document
Application Management Pack for Oracle E-Business Suite, versions 12.1.3, 12.2.3, 12.2.4, 12.2.5, 12.2.6, 12.2.7	<a href="#">E-Business Suite</a>
Enterprise Manager Base Platform, versions 12.1.0.5, 13.2	<a href="#">Enterprise Manager</a>
Enterprise Manager for MySQL Database, version 13.2	<a href="#">Enterprise Manager</a>
Enterprise Manager Ops Center, versions 12.2.2, 12.3.3	<a href="#">Enterprise Manager</a>
Fujitsu M10-1, M10-4, M10-4S, M12-1, M12-2, M12-2S Servers, versions Prior to XCP2352 and Prior to XCP3050	<a href="#">Systems</a>
Hyperion BI+, version 11.1.2.4	<a href="#">Fusion Middleware</a>
Hyperion Common Events, version 11.1.2.4	<a href="#">Fusion Middleware</a>
Hyperion Data Relationship Management, version 11.1.2.4.345	<a href="#">Fusion Middleware</a>
Hyperion Essbase Administration Services, version 11.1.2.4	<a href="#">Fusion Middleware</a>
Instantis EnterpriseTrack, versions 17.1, 17.2, 17.3	<a href="#">Oracle Construction and Engineering S</a>
JD Edwards EnterpriseOne Orchestrator, version 9.2	<a href="#">JD Edwards</a>
JD Edwards EnterpriseOne Tools, version 9.2	<a href="#">JD Edwards</a>
MICROS Lucas, version 2.9.5	<a href="#">Retail Applications</a>
MICROS PC Workstation 2015, versions Prior to BIOS 01.3.0.2i	<a href="#">MICROS PC Workstation</a>
MICROS Relate CRM Software, versions 10.8, 11.4	<a href="#">Retail Applications</a>
MICROS Retail-J, versions 12.1.2, 13.0.0	<a href="#">Retail Applications</a>
MICROS XBRI, versions 10.5.0, 10.6.0, 10.7.0, 10.8.1, 10.8.2, 10.8.3	<a href="#">Retail Applications</a>
MySQL Connectors, versions 8.0.12 and prior	<a href="#">MySQL</a>
MySQL Enterprise Monitor, versions 3.4.9.4237 and prior, 4.0.6.5281 and prior, 8.0.2.8191 and prior	<a href="#">MySQL</a>
MySQL Server, versions 5.5.61 and prior, 5.6.41 and prior, 5.7.23 and prior, 8.0.12 and prior	<a href="#">MySQL</a>
Oracle Adaptive Access Manager, versions 11.1.1.7.0, 11.1.2.3.0	<a href="#">Fusion Middleware</a>
Oracle Agile Engineering Data Management, versions 6.1.3, 6.2.0, 6.2.1	<a href="#">Oracle Supply Chain Products</a>
Oracle Agile PLM, versions 9.3.3, 9.3.4, 9.3.5, 9.3.6	<a href="#">Oracle Supply Chain Products</a>
Oracle Agile Product Lifecycle Management for Process, version 6.2.0.0	<a href="#">Oracle Supply Chain Products</a>
Oracle API Gateway, version 11.1.2.4.0	<a href="#">Fusion Middleware</a>
Oracle Banking Platform, versions 2.5.0, 2.6.0, 2.6.1, 2.6.2	<a href="#">Oracle Banking Platform</a>

Affected Products and Versions	Patch Availability Document
Oracle BI Publisher, versions 11.1.1.7.0, 11.1.1.9.0, 12.2.1.3.0, 12.2.1.4.0	Fusion Middleware
Oracle Big Data Discovery, version 1.6.0	Fusion Middleware
Oracle Business Intelligence Enterprise Edition, versions 11.1.1.7.0, 11.1.1.9.0, 12.2.1.3.0, 12.2.1.4.0	Fusion Middleware
Oracle Communications Application Session Controller, versions Prior to 3.7.1M0	Oracle Communications Application Session Controller
Oracle Communications Instant Messaging Server, versions prior to 10.0.1	Oracle Communications Instant Messaging Server
Oracle Communications Messaging Server, versions prior to 8.0.2	Oracle Communications Convergence
Oracle Communications MetaSolv Solution, version 6.3.0	Oracle Communications MetaSolv Solu
Oracle Communications Performance Intelligence Center (PIC) Software, versions prior to 10.2.1	Oracle Communications Performance Intelligence Center (PIC) Software
Oracle Communications User Data Repository, versions prior to 12.2.0	Oracle Communications User Data Repository
Oracle Configuration Manager, versions 12.1.2.0.2, 12.1.2.0.5	Enterprise Manager
Oracle Database Server, versions 11.2.0.4, 12.1.0.2, 12.2.0.1, 18c	Database
Oracle Demantra Demand Management, versions 7.3.5, 12.2	Oracle Supply Chain Products
Oracle Directory Server Enterprise Edition, version 11.1.1.7	Fusion Middleware
Oracle E-Business Suite, versions 12.1.1, 12.1.2, 12.1.3, 12.2.3, 12.2.4, 12.2.5, 12.2.6, 12.2.7	E-Business Suite
Oracle Endeca Information Discovery Integrator, versions 3.1.0, 3.2.0	Fusion Middleware
Oracle Endeca Information Discovery Studio, versions 3.1.0, 3.2.0	Fusion Middleware
Oracle Endeca Server, versions 7.6.1, 7.7.0	Fusion Middleware
Oracle Enterprise Repository, versions 11.1.1.7.0, 12.1.3.0.0	Fusion Middleware
Oracle Fusion Middleware MapViewer, versions 12.1.3.0, 12.2.1.3	Fusion Middleware
Oracle GlassFish Server, version 3.1.2	Fusion Middleware
Oracle GoldenGate, versions 12.1.2.1.0, 12.2.0.2.0, 12.3.0.1.0	Oracle GoldenGate
Oracle GoldenGate for Big Data, versions 12.2.0.1, 12.3.1.1, 12.3.2.1	Fusion Middleware
Oracle Healthcare Translational Research, version 3.1.0	Health Sciences

Affected Products and Versions	Patch Availability Document
Oracle Hospitality Cruise Fleet Management, version 9.0	Oracle Hospitality Cruise Fleet Management
Oracle Hospitality Cruise Shipboard Property Management System, version 8.0	Oracle Hospitality Cruise Shipboard Property Management System
Oracle Hospitality Gift and Loyalty, version 9.0, 9.1	Oracle Hospitality Gift and Loyalty
Oracle Hospitality Guest Access, versions 4.2.0, 4.2.1	Oracle Hospitality Guest Access
Oracle Hospitality Materials Control, version 18.1	Oracle Hospitality Materials Control
Oracle Hospitality Reporting and Analytics, version 9.0, 9.1	Oracle Hospitality Reporting and Analy
Oracle HTTP Server, version 12.2.1.3	Fusion Middleware
Oracle Identity Analytics, version 11.1.1.5.8	Fusion Middleware
Oracle Identity Management Suite, versions 11.1.2.3.0, 12.2.1.3.0	Fusion Middleware
Oracle Identity Manager, versions 11.1.2.3.0, 12.2.1.3.0	Fusion Middleware
Oracle iLearning, versions 6.1, 6.2	iLearning
Oracle Insurance Calculation Engine, versions 10.1.1, 10.2.1	Oracle Insurance Applications
Oracle Insurance Rules Palette, versions 10.0, 10.1, 10.2, 11.0, 11.1	Oracle Insurance Applications
Oracle Java SE, versions 6u201, 7u191, 8u181, 11	Java SE
Oracle Java SE Embedded, version 8u181	Java SE
Oracle JRockit, version R28.3.19	Java SE
Oracle Outside In Technology, versions 8.5.3, 8.5.4	Fusion Middleware
Oracle Real-Time Decision Server, version 3.2.1	Fusion Middleware
Oracle Retail Allocation, versions 15.0, 16.0	Retail Applications
Oracle Retail Assortment Planning, versions 14.1, 15.0, 16.0	Retail Applications
Oracle Retail Back Office, versions 13.3, 13.4, 14, 14.1	Retail Applications
Oracle Retail Central Office, version 14.1	Retail Applications
Oracle Retail Customer Management and Segmentation Foundation, versions 16.0, 17.0	Retail Applications
Oracle Retail Extract Transform and Load, versions 13.0, 13.1, 13.2	Retail Applications
Oracle Retail Financial Integration, versions 13.2, 14.0, 14.1, 15.0, 16.0	Retail Applications
Oracle Retail Integration Bus, version 14.1.2	Retail Applications
Oracle Retail Invoice Matching, versions 15.0, 16.0	Retail Applications

Affected Products and Versions	Patch Availability Document
Oracle Retail Open Commerce Platform, versions 5.3, 6.0, 6.0.1	Retail Applications
Oracle Retail Order Broker, versions 5.0, 5.1, 5.2, 15.0, 16.0	Retail Applications
Oracle Retail Point-of-Service, versions 13.4, 14.0, 14.1	Retail Applications
Oracle Retail Predictive Application Server, versions 14.0, 14.1, 15.0, 16.0	Retail Applications
Oracle Retail Returns Management, version 14.1	Retail Applications
Oracle Retail Sales Audit, versions 15.0, 16.0	Retail Applications
Oracle Retail Xstore Point of Service, versions 6.5.12, 7.0.7, 7.1.7, 15.0.2, 16.0.4, 17.0.2	Retail Applications
Oracle Service Bus, versions 12.1.3.0.0, 12.2.1.3.0	Fusion Middleware
Oracle Transportation Management, version 6.3.7	Oracle Supply Chain Products
Oracle Tuxedo, version 12.1.1.0	Fusion Middleware
Oracle Virtual Directory, versions 11.1.1.7.0, 11.1.1.9.0	Fusion Middleware
Oracle VM VirtualBox, versions prior to 5.2.20	Virtualization
Oracle WebCenter Portal, versions 11.1.1.9.0, 12.2.1.3.0	Fusion Middleware
Oracle WebCenter Sites, versions 11.1.1.8.0, 12.2.1.3.0	Fusion Middleware
Oracle WebLogic Server, versions 10.3.6.0, 12.1.3.0, 12.2.1.3, prior to Docker 12.2.1.3.20180913	Fusion Middleware
OSS Support Tools, versions prior to 18.4	Support Tools
PeopleSoft Enterprise Interaction Hub, version 9.1.0.0	PeopleSoft
PeopleSoft Enterprise PeopleTools, versions 8.55, 8.56, 8.57	PeopleSoft
Primavera Gateway, versions 15.2, 16.2, 17.12	Oracle Construction and Engineering S
Primavera P6 Enterprise Project Portfolio Management, versions 8.4, 15.1, 15.2, 16.1, 16.2, 18.8, 17.7 - 17.12	Oracle Construction and Engineering S
Primavera Unifier, versions 15.1, 15.2, 16.1, 16.2, 17.1-17.12, 18.1-18.8	Oracle Construction and Engineering S
Siebel Applications, versions 18.7, 18.8, 18.9	Siebel
Solaris, versions 10, 11.3, 11.4	Systems
SPARC Enterprise M3000, M4000, M5000, M8000, M9000 Servers, versions prior to XCP 1123	Systems
Spatial, versions 2.0, 2.1, 2.2	Oracle Big Data Graph

## Note:

- Vulnerabilities affecting Oracle Database and Oracle Fusion Middleware may affect Oracle Fusion Applications, so Oracle customers should refer to Oracle Fusion Applications Critical Patch Update Knowledge Document, [My Oracle Support Note 1967316.1](#) for information on patches to be applied to Fusion Application environments.
- Vulnerabilities affecting Oracle Solaris may affect Oracle ZFSSA so Oracle customers should refer to the Oracle and Sun Systems Product Suite Critical Patch Update Knowledge Document, [My Oracle Support Note 2160904.1](#) for information on minimum revisions of security fixes required to resolve ZFSSA issues published in Critical Patch Updates and Solaris Third Party bulletins.
- Users running Java SE with a browser can download the latest release from <http://java.com>. Users on the Windows and Mac OS X platforms can also use [automatic updates](#) to get the latest release.

## Risk Matrix Content

Risk matrices list only security vulnerabilities that are newly fixed by the patches associated with this advisory. Risk matrices for previous security fixes can be found in [previous Critical Patch Update advisories](#). An English text version of the risk matrices provided in this document is [here](#).

Several vulnerabilities addressed in this Critical Patch Update affect multiple products. Each vulnerability is identified by a **CVE#** which is a unique identifier for a vulnerability. A vulnerability that affects multiple products will appear with the same CVE# in all risk matrices. A CVE# shown in *italics* indicates that this vulnerability impacts a different product, but also has impact on the product where the italicized CVE# is listed.

Security vulnerabilities are scored using CVSS version 3.0 (see [Oracle CVSS Scoring](#) for an explanation of how Oracle applies CVSS version 3.0).

Oracle conducts an analysis of each security vulnerability addressed by a Critical Patch Update. Oracle does not disclose detailed information about this security analysis to customers, but the resulting Risk Matrix and associated documentation provide information about the type of vulnerability, the conditions required to exploit it, and the potential impact of a successful exploit. Oracle provides this information, in part, so that customers may conduct their own risk analysis based on the particulars of their product usage. For more information, see [Oracle vulnerability disclosure policies](#).

The protocol in the risk matrix implies that all of its secure variants (if applicable) are affected as well. For example, if HTTP is listed as an affected protocol, it implies that HTTPS (if applicable) is also affected. The secure variant of a protocol is listed in the risk matrix only if it is the *only* variant affected, e.g. HTTPS will typically be listed for vulnerabilities in SSL and TLS.

## Workarounds

**Due to the threat posed by a successful attack, Oracle strongly recommends that customers apply Critical Patch Update fixes as soon as possible.** Until you apply the Critical Patch Update fixes, it may be possible to reduce the risk of successful attack by blocking network protocols required by an attack. For attacks that require certain privileges or access to certain packages, removing the privileges or the ability to access the packages from users that do not need the privileges may help reduce the risk of successful attack. Both approaches may break application functionality, so Oracle strongly recommends that customers test changes on non-production systems. Neither approach should be considered a long-term solution as neither corrects the underlying problem.

## Skipped Critical Patch Updates

Oracle strongly recommends that customers apply security fixes as soon as possible. For customers that have skipped one or more Critical Patch Updates and are concerned about products that do not have security fixes announced in this Critical Patch Update, please review [previous Critical Patch Update advisories](#) to determine appropriate actions.

## Critical Patch Update Supported Products and Versions

Patches released through the Critical Patch Update program are provided only for product versions that are covered under the Premier Support or Extended Support phases of the [Lifetime Support Policy](#). Oracle recommends that customers plan product upgrades to ensure that patches released through the Critical Patch Update program are available for the versions they are currently running.

Product releases that are not under Premier Support or Extended Support are not tested for the presence of vulnerabilities addressed by this Critical Patch Update. However, it is likely that earlier versions of affected releases are also affected by these vulnerabilities. As a result, Oracle recommends that customers upgrade to supported versions.

Database, Fusion Middleware, and Oracle Enterprise Manager products are patched in accordance with the Software Error Correction Support Policy explained in [My Oracle Support Note 209768.1](#). Please review the [Technical Support Policies](#) for further guidelines regarding support policies and phases of support.

## Credit Statement

The following people or organizations reported security vulnerabilities addressed by this Critical Patch Update to Oracle:

- 360 A-TEAM: CVE-2018-3245

- Add of MeePwn working with Trend Micro's Zero Day Initiative: CVE-2018-2909, CVE-2018-3290, CVE-2018-3296, CVE-2018-3297
- Andrej Simko of Accenture: CVE-2018-3242, CVE-2018-3243
- Andrej Simko of Accenture working with iDefense Labs: CVE-2018-3256
- Anonymous researcher working with Trend Micro's Zero Day Initiative: CVE-2018-3291, CVE-2018-3292, CVE-2018-3298
- Artem Smotrakov: CVE-2018-3139
- Aurelien Salomon of Pure Hacking: CVE-2018-3204
- Badcode of Knownsec 404 Team: CVE-2018-3245, CVE-2018-3250
- Behzad Najjarpour Jabbari, Secunia Research at Flexera Software: CVE-2018-18223, CVE-2018-18224, CVE-2018-3217, CVE-2018-3218, CVE-2018-3219, CVE-2018-3220, CVE-2018-3221, CVE-2018-3222, CVE-2018-3223, CVE-2018-3224, CVE-2018-3225, CVE-2018-3226, CVE-2018-3227, CVE-2018-3228, CVE-2018-3229, CVE-2018-3230, CVE-2018-3231, CVE-2018-3232, CVE-2018-3233, CVE-2018-3234, CVE-2018-3302
- Devin Rosenbauer of Identity Works LLC: CVE-2018-3179
- Felix Dörre: CVE-2018-3180
- Giulio Comi of Horizon Security: CVE-2018-3205, CVE-2018-3206, CVE-2018-3207
- Graham Steel of Cryptosense: CVE-2018-3210
- Gregory Smiley of Security Compass: CVE-2018-3181
- Hans-Martin Münch: CVE-2018-3168
- Hasan Alqawzai: CVE-2018-3184
- Huy Ngo of Viettel Cyber Security: CVE-2018-3295
- Hysterical Raisins working with Trend Micro's Zero Day Initiative: CVE-2018-2909, CVE-2018-3287, CVE-2018-3296, CVE-2018-3297, CVE-2018-3298
- HzH4k: CVE-2018-3245
- Independent security researcher via Beyond Security's SecuriTeam Secure Disclosure program: CVE-2018-3294
- Jacob Baines of Tenable, Inc.: CVE-2018-2912, CVE-2018-2913, CVE-2018-2914
- Jakub Palaczynski: CVE-2018-3262
- Jason Lang of TrustedSec: CVE-2018-3253
- Jayson Grace of Sandia National Laboratories: CVE-2018-3235, CVE-2018-3236, CVE-2018-3237
- Jim LaValley, Towerwall, Inc.: CVE-2018-3241, CVE-2018-3281
- Jimi Sebree of Tenable, Inc.: CVE-2018-3213
- John Moss of IRM Security: CVE-2018-3167

- Jon King of OPNAV N1, US Navy: CVE-2018-3192
- Jonas Mattsson: CVE-2018-3238
- Kamlapati Choubey of Trend Micro's Zero Day Initiative: CVE-2018-3147
- Koustav Sadhukhan: CVE-2018-2909, CVE-2018-3293, CVE-2018-3295, CVE-2018-3296, CVE-2018-3297, CVE-2018-3298
- Krzysztof Szafranski: CVE-2018-3183
- Li Qiang of the Qihoo 360 Gear Team: CVE-2018-3289, CVE-2018-3290, CVE-2018-3293, CVE-2018-3295
- Li Zhengdong of Hitax: CVE-2018-3191
- Liam Glanfield of IRM Security: CVE-2018-3167
- Liao Xinxi of NSFOCUS Security Team: CVE-2018-3245
- Lilei of Venustech ADLab: CVE-2018-3245
- Lokesh Sharma: CVE-2018-3138
- loopx9: CVE-2018-3191
- Lukasz Mikula: CVE-2018-3132, CVE-2018-3254
- Lukasz Plonka of ING Services Polska: CVE-2018-3208
- Maciej Grabiec: CVE-2018-3140, CVE-2018-3141, CVE-2018-3142
- Marcin Wołoszyn of ING Services Polska: CVE-2018-3175, CVE-2018-3176, CVE-2018-3177, CVE-2018-3178
- Mark Earnest of Identity Works LLC: CVE-2018-3179
- Matthias Kaiser of Code White: CVE-2018-3191, CVE-2018-3197, CVE-2018-3201
- Mauricio Correa of Xlabs: CVE-2018-3172
- Michael Orlitzky: CVE-2018-3174
- Nelson William Gamazo Sanchez of Trend Micro's Zero Day Initiative: CVE-2018-3211
- Or Hanuka of Motorola Solutions: CVE-2018-3127
- Pawel Gocyla: CVE-2018-2902
- Ph0rse of Qihoo 360 Group Okee Team: CVE-2018-3245
- Quang Nguyen of Viettel Cyber Security: CVE-2018-3295
- Root Object working with Trend Micro's Zero Day Initiative: CVE-2018-3288, CVE-2018-3289, CVE-2018-3293
- Sean Metcalf of Trimarc Security: CVE-2018-3253
- Tobias Ospelt of modzero: CVE-2018-3214
- Tom Tervoort of Secura: CVE-2018-2911

- Tzachy Horesh of Motorola Solutions: CVE-2018-3127
- Vahagn Vardanyan: CVE-2018-3215
- WenHui Wang: CVE-2018-3245, CVE-2018-3249
- Xiao Pingge: CVE-2018-3246
- Zhiyi Zhang of 360 ESG Codesafe Team: CVE-2018-3245, CVE-2018-3248, CVE-2018-3249, CVE-2018-3252

## Security-In-Depth Contributors

Oracle acknowledges people who have contributed to our Security-In-Depth program (see [FAQ](#)). People are acknowledged for Security-In-Depth contributions if they provide information, observations or suggestions pertaining to security vulnerability issues that result in significant modification of Oracle code or documentation in future releases, but are not of such a critical nature that they are distributed in Critical Patch Updates.

In this Critical Patch Update Advisory, Oracle recognizes the following for contributions to Oracle's Security-In-Depth program.:

- Antonio Sanso
- Cyril Vallicari of ZIWIT/HTTPCS
- Gregory Smiley of Security Compass
- Martin Buchholz of Google
- Mingxuan Song of CNCERT
- Sarath Nair

## On-Line Presence Security Contributors

Oracle acknowledges people who have contributed to our On-Line Presence Security program (see [FAQ](#)). People are acknowledged for contributions relating to Oracle's on-line presence if they provide information, observations or suggestions pertaining to security-related issues that result in significant modification to Oracle's on-line external-facing systems.

For this quarter, Oracle recognizes the following for contributions to Oracle's On-Line Presence Security program:

- Alexander Kornbrust of Red Database Security
- Hemanth Joseph of hemanthjoseph.com
- Joby John
- Jose Domingo Carrillo

- Kranthi Kumar
- Mayank of Birla Institute of Technology, Mesra
- Mohammed Fayadh
- Pethuraj M (mr7)
- Pranshu Tiwari
- Rajat Sharma
- Richard Alvariez
- Samet Sahin
- Sébastien Kaul
- Zach Edwards of victorymedium.com
- Zekvan Arslan

## Critical Patch Update Schedule

Critical Patch Updates are released on the Tuesday closest to the 17th day of January, April, July and October. The next four dates are:

- 15 January 2019
- 16 April 2019
- 16 July 2019
- 15 October 2019

## References

- [Oracle Critical Patch Updates, Security Alerts and Bulletins](#)
- [Critical Patch Update - October 2018 Documentation Map](#)
- [Oracle Critical Patch Updates and Security Alerts - Frequently Asked Questions](#)
- [Risk Matrix Definitions](#)
- [Use of Common Vulnerability Scoring System \(CVSS\) by Oracle](#)
- [English text version of the risk matrices](#)
- [CVRF XML version of the risk matrices](#)
- [Map of CVE to Advisory](#)
- [Software Error Correction Support Policy](#)

## Modification History

Date	Note
2018-October-16	Rev 1. Initial Release.
2018-October-17	Rev 2. Updated Oracle Java SE Risk Matrix.
2018-October-18	Rev 3. Updated affected versions of CVE-2018-3128 and CVE-2018-3131 in Oracle Food and Beverage Applications Risk Matrix
2018-October-19	Rev 4. Updated CVSS score of CVE-2018-3253 and credit statement.
2018-October-30	Rev 5. Updated credit statement.
2018-December-18	Rev 6. Updated affected versions for Oracle Outside In Technology vulnerabilities.

## Oracle Database Server Risk Matrix

This Critical Patch Update contains 7 new security fixes for the Oracle Database Server divided as follows:

- 3 new security fixes for the Oracle Database Server. 2 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. None of these fixes are applicable to client-only installations, i.e., installations that do not have the Oracle Database Server installed. The English text form of this Risk Matrix can be found [here](#).
- 1 new security fix for Oracle Big Data Graph. This vulnerability is remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).
- 3 new security fixes for Oracle GoldenGate. All of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Component	Package and/or Privilege Required	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK				
					Base Score	Attack Vector	Attack Complex	Privs-Req'd	Ir
<b>CVE-2018-3259</b>	Java VM	None	Multiple	Yes	9.8	Network	Low	None	
<b>CVE-2018-3299</b>	Oracle Text	None	Multiple	Yes	8.2	Network	Low	None	Re

CVE#	Component	Package and/or Privilege Required	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK				
					Base Score	Attack Vector	Attack Complex	Privs-Req'd	Impact
<b>CVE-2018-7489</b>	Rapid Home Provisioning	RHP User	HTTP	No	2.3	Adjacent Network	High	Low	Re

## Additional CVEs addressed are below:

- The fix for CVE-2018-7489 also addresses CVE-2017-15095.

## Oracle Big Data Graph Risk Matrix

This Critical Patch Update contains 1 new security fix for Oracle Big Data Graph. This vulnerability is remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK (s				
					Base Score	Attack Vector	Attack Complex	Privs-Req'd	U
<b>CVE-2016-6814</b>	Spatial	Big Data Graph (Apache Groovy)	HTTP	Yes	9.6	Network	Low	None	Rec

## Oracle GoldenGate Risk Matrix

This Critical Patch Update contains 3 new security fixes for Oracle GoldenGate. All of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISI				
					Base Score	Attack Vector	Attack Complex	Privs-Req'd	I
<b>CVE-2018-2913</b>	Oracle GoldenGate	Monitoring Manager	TCP	Yes	10.0	Network	Low	None	
<b>CVE-2018-2912</b>	Oracle GoldenGate	Manager	TCP	Yes	7.5	Network	Low	None	

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-2914</b>	Oracle GoldenGate	Manager	TCP	Yes	7.5	Network	Low	None

## Notes:

1. For Linux and Windows platforms, the CVSS score is 9.0 with Access Complexity as High. For all other platforms, the cvss score is 10.0.

## Oracle Communications Applications Risk Matrix

This Critical Patch Update contains 14 new security fixes for Oracle Communications Applications. 9 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2015-0235</b>	Oracle Communications Application Session Controller	Security (Glibc)	Multiple	Yes	9.8	Network	Low	I
<b>CVE-2017-5645</b>	Oracle Communications Messaging Server	Convergence (Apache Log4J)	HTTP	Yes	9.8	Network	Low	I
<b>CVE-2016-0729</b>	Oracle Communications User Data Repository	Security (Apache Xerces)	HTTP	Yes	9.8	Network	Low	I
<b>CVE-2015-7501</b>	Oracle Communications Application Session Controller	Security (Apache Commons Collections)	HTTP	No	8.8	Network	Low	
<b>CVE-2015-7501</b>	Oracle Communications Performance	Security (Apache	HTTP	No	8.8	Network	Low	

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3			F
					Base Score	Attack Vector	Attack Complex	
	Intelligence Center (PIC) Software	Commons Collections)						
<b>CVE-2016-0635</b>	Oracle Communications Performance Intelligence Center (PIC) Software	Security (Spring Framework)	HTTP	No	8.8	Network	Low	
<b>CVE-2016-1182</b>	Oracle Communications Performance Intelligence Center (PIC) Software	Security (Apache Struts 1)	HTTP	Yes	8.2	Network	Low	I
<b>CVE-2017-15095</b>	Oracle Communications Instant Messaging Server	Security (jackson-databind)	HTTP	Yes	8.1	Network	High	I
<b>CVE-2018-8013</b>	Oracle Communications MetaSolv Solution	Print preview, Gateway Events (Apache Batik)	HTTP	Yes	7.3	Network	Low	I
<b>CVE-2016-5080</b>	Oracle Communications Performance Intelligence Center (PIC) Software	Security (Objective System ASN1C)	Multiple	No	7.2	Network	Low	
<b>CVE-2016-5019</b>	Oracle Communications Performance Intelligence Center (PIC) Software	Security (Apache Trinidad)	HTTP	No	6.7	Network	Low	
<b>CVE-2016-2107</b>	Oracle Communications Application	Security (OpenSSL)	TLS	Yes	5.9	Network	High	I

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			Priority
					Base Score	Attack Vector	Attack Complex	
	Session Controller							
<b>CVE-2017-3736</b>	Oracle Communications Performance Intelligence Center (PIC) Software	Security (OpenSSL)	TLS	Yes	5.9	Network	High	Low
<b>CVE-2014-3490</b>	Oracle Communications Performance Intelligence Center (PIC) Software	Security (resteasy-jaxrs)	HTTP	Yes	5.3	Network	Low	Low

## Additional CVEs addressed are below:

- The fix for CVE-2015-0235 also addresses CVE-2014-7817.
- The fix for CVE-2016-0729 also addresses CVE-2015-0252.
- The fix for CVE-2016-1182 also addresses CVE-2012-1007, CVE-2014-0014 and CVE-2016-1181.
- The fix for CVE-2017-15095 also addresses CVE-2017-7525.
- The fix for CVE-2017-3736 also addresses CVE-2017-3735.

## Oracle Construction and Engineering Suite Risk Matrix

This Critical Patch Update contains 10 new security fixes for the Oracle Construction and Engineering Suite. 9 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			Priority
					Base Score	Attack Vector	Attack Complex	
<b>CVE-2018-1275</b>	Primavera Gateway	Web Access (Spring Framework)	HTTP	Yes	9.8	Network	Low	No
<b>CVE-2018-7489</b>	Primavera Gateway	Web Access (jackson-	HTTP	Yes	9.8	Network	Low	No

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Pri Re
		databind)						
<b>CVE-2018-12023</b>	Primavera Unifier	Core (jackson-databind)	HTTP	Yes	8.1	Network	High	No
<b>CVE-2018-8013</b>	Instantis EnterpriseTrack	Generic (Apache Batik)	HTTP	Yes	7.3	Network	Low	No
<b>CVE-2018-1305</b>	Instantis EnterpriseTrack	Generic (Apache Tomcat)	HTTP	No	6.5	Network	Low	Lc
<b>CVE-2015-9251</b>	Primavera Gateway	Admin (jQuery)	HTTP	Yes	6.1	Network	Low	No
<b>CVE-2018-3241</b>	Primavera P6 Enterprise Project Portfolio Management	Web Access	HTTP	Yes	6.1	Network	Low	No
<b>CVE-2018-3281</b>	Primavera P6 Enterprise Project Portfolio Management	Web Access	HTTP	Yes	6.1	Network	Low	No
<b>CVE-2018-3148</b>	Primavera Unifier	Web Access	HTTP	Yes	6.1	Network	Low	No
<b>CVE-2018-11039</b>	Primavera P6 Enterprise Project Portfolio Management	Web Access (Spring Framework)	HTTP	Yes	5.9	Network	High	No

## Additional CVEs addressed are below:

- The fix for CVE-2018-1275 also addresses CVE-2018-1258.
- The fix for CVE-2018-7489 also addresses CVE-2017-15095 and CVE-2018-12023.

## Oracle E-Business Suite Risk Matrix

This Critical Patch Update contains 16 new security fixes for the Oracle E-Business Suite. 14 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

Oracle E-Business Suite products include Oracle Database and Oracle Fusion Middleware components that are affected by the vulnerabilities listed in the Oracle Database and Oracle Fusion Middleware sections. The exposure of Oracle E-Business Suite products is dependent on the Oracle Database and Oracle Fusion Middleware versions being used. Oracle Database and Oracle Fusion Middleware security fixes are not listed in the Oracle E-Business Suite risk matrix. However, since vulnerabilities affecting Oracle Database and Oracle Fusion Middleware versions may affect Oracle E-Business Suite products, Oracle recommends that customers apply the October 2018 Critical Patch Update to the Oracle Database and Oracle Fusion Middleware components of Oracle E-Business Suite. For information on what patches need to be applied to your environments, refer to Oracle E-Business Suite Release 12 Critical Patch Update Knowledge Document (October 2018), [My Oracle Support Note 2445688.1](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Priv Rec
<b>CVE-2018-3138</b>	Oracle Application Object Library	Attachments / File Upload	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3243</b>	Oracle Applications Framework	None	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3235</b>	Oracle Applications Manager	None	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3189</b>	Oracle Customer Interaction History	Outcome-Result	HTTP	Yes	8.2	Network	Low	No

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Priv Rec
<b>CVE-2018-3190</b>	Oracle E-Business Intelligence	Overview Page/Report Rendering	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3188</b>	Oracle iStore	Web interface	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3242</b>	Oracle Marketing	Marketing Administration	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3196</b>	Oracle Partner Management	Partner Dashboard	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3011</b>	Oracle Trade Management	User Interface	HTTP	Yes	8.2	Network	Low	No
<b>CVE-2018-3151</b>	Oracle iProcurement	E-Content Manager Catalog	HTTP	Yes	7.5	Network	Low	No
<b>CVE-2018-3236</b>	Oracle User Management	Reports	HTTP	No	6.5	Network	Low	High

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Priv Rec
<b>CVE-2018-3167</b>	Application Management Pack for Oracle E-Business Suite	User Monitoring	HTTP	Yes	5.3	Network	Low	No
<b>CVE-2018-3244</b>	Oracle Application Object Library	Attachments / File Upload	HTTP	Yes	5.3	Network	Low	No
<b>CVE-2018-3237</b>	Oracle Applications Manager	Support Cart	HTTP	Yes	5.3	Network	Low	No
<b>CVE-2018-3256</b>	Oracle Email Center	Message Display	HTTP	Yes	4.7	Network	Low	No
<b>CVE-2018-2971</b>	Oracle Applications Framework	REST Services	HTTP	No	4.3	Network	Low	Lo

## Oracle Enterprise Manager Products Suite Risk Matrix

This Critical Patch Update contains 4 new security fixes for the Oracle Enterprise Manager Products Suite. 3 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. None of these fixes are applicable to client-only installations, i.e., installations that do not have the Oracle Enterprise Manager Products Suite installed. The English text form of this Risk Matrix can be found [here](#).

Oracle Enterprise Manager products include Oracle Database and Oracle Fusion Middleware components that are affected by the vulnerabilities listed in the Oracle Database and Oracle Fusion Middleware sections. The exposure of Oracle Enterprise Manager products is dependent on the Oracle Database and Oracle Fusion Middleware versions being used. Oracle Database and Oracle Fusion Middleware security fixes are not listed in the Oracle Enterprise Manager risk matrix. However, since vulnerabilities affecting Oracle Database and Oracle Fusion Middleware versions may affect Oracle Enterprise Manager products, Oracle recommends that customers apply the October 2018 Critical Patch Update to the Oracle Database and Oracle Fusion Middleware components of Enterprise Manager. For information on what patches need to be applied to your environments, refer to Critical Patch Update October 2018 Patch Availability Document for Oracle Products, [My Oracle Support Note 24334771](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 F			
					Base Score	Attack Vector	Attack Complex	Privs Req'd
<b>CVE-2016-4000</b>	Enterprise Manager Ops Center	Networking (Jython)	HTTP	Yes	9.8	Network	Low	None
<b>CVE-2017-5645</b>	Oracle Configuration Manager	Collector of Config and Diag (Apache Log4j)	HTTP	Yes	9.8	Network	Low	None
<b>CVE-2018-1258</b>	Enterprise Manager for MySQL Database	EM Plugin: General (Spring Framework)	HTTP	No	8.8	Network	Low	Low
<b>CVE-2018-0739</b>	Enterprise Manager Base Platform	Discovery Framework (OpenSSL)	HTTP	Yes	6.5	Network	Low	None

## Additional CVEs addressed are below:

- The fix for CVE-2018-0739 also addresses CVE-2017-3738 and CVE-2018-0733.
- The fix for CVE-2018-1258 also addresses CVE-2018-11039, CVE-2018-11040 and CVE-2018-1257.

## Oracle Financial Services Applications Risk Matrix

This Critical Patch Update contains 2 new security fixes for Oracle Financial Services Applications. Both of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-12023</b>	Oracle Banking Platform	Infrastructure (jackson-databind)	HTTP	Yes	8.1	Network	High	None
<b>CVE-2015-9251</b>	Oracle Banking Platform	UI (jQuery)	HTTP	Yes	6.1	Network	Low	None

## Additional CVEs addressed are below:

- The fix for CVE-2018-12023 also addresses CVE-2018-11307 and CVE-2018-12022.

## Oracle Food and Beverage Applications Risk Matrix

This Critical Patch Update contains 4 new security fixes for Oracle Food and Beverage Applications. 1 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Component	Package and/or Privilege Required	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2018-3128</b>	Oracle Hospitality Reporting and Analytics	Report	HTTP	No	8.1	Network	Low
<b>CVE-2018-3131</b>	Oracle Hospitality Gift and Loyalty	Report	None	No	6.1	Local	Low
<b>CVE-2015-9251</b>	Oracle Hospitality Materials Control	MobileAuthWebService (jQuery)	HTTP	Yes	6.1	Network	Low

CVE#	Component	Package and/or Privilege Required	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2017-5715</b>	MICROS PC Workstation 2015	BIOS	None	No	5.6	Local	High

## Oracle Fusion Middleware Risk Matrix

This Critical Patch Update contains 65 new security fixes for Oracle Fusion Middleware. 56 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

Oracle Fusion Middleware products include Oracle Database components that are affected by the vulnerabilities listed in the Oracle Database section. The exposure of Oracle Fusion Middleware products is dependent on the Oracle Database version being used. Oracle Database security fixes are not listed in the Oracle Fusion Middleware risk matrix. However, since vulnerabilities affecting Oracle Database versions may affect Oracle Fusion Middleware products, Oracle recommends that customers apply the October 2018 Critical Patch Update to the Oracle Database components of Oracle Fusion Middleware products. For information on what patches need to be applied to your environments, refer to Critical Patch Update October 2018 Patch Availability Document for Oracle Products, [My Oracle Support Note 24334771](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2017-5645</b>	BI Publisher (formerly XML Publisher)	BI Publisher Security (Apache Log4j)	HTTP	Yes	9.8	Network	Low
<b>CVE-2017-5645</b>	Oracle API Gateway	Oracle API Gateway (Apache Log4j)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-1275</b>	Oracle Big Data Discovery	Data Processing (Spring Framework)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-1275</b>	Oracle GoldenGate	Other issues (Spring	HTTP	Yes	9.8	Network	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
	for Big Data	Framework)					
<b>CVE-2017-5645</b>	Oracle Identity Analytics	Security (Apache Log4j)	HTTP	Yes	9.8	Network	Low
<b>CVE-2017-5645</b>	Oracle Identity Management Suite	Suite Level Patch Issues (Apache Log4j)	HTTP	Yes	9.8	Network	Low
<b>CVE-2017-15095</b>	Oracle Identity Manager	Installer (jackson-databind)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-3191</b>	Oracle WebLogic Server	WLS Core Components	T3	Yes	9.8	Network	Low
<b>CVE-2018-3197</b>	Oracle WebLogic Server	WLS Core Components	T3	Yes	9.8	Network	Low
<b>CVE-2018-3201</b>	Oracle WebLogic Server	WLS Core Components	T3	Yes	9.8	Network	Low
<b>CVE-2018-3245</b>	Oracle WebLogic Server	WLS Core Components	T3	Yes	9.8	Network	Low
<b>CVE-2018-3252</b>	Oracle WebLogic Server	WLS Core Components	T3	Yes	9.8	Network	Low
<b>CVE-2018-1258</b>	Oracle Endeca Information Discovery Integrator	Other Issues (Spring Framework)	HTTP	No	8.8	Network	Low
<b>CVE-2018-1258</b>	Oracle WebLogic Server	Sample apps (Spring Framework)	HTTP	No	8.8	Network	Low
<b>CVE-2018-2911</b>	Oracle GlassFish Server	Java Server Faces	HTTP	Yes	8.3	Network	Low
<b>CVE-2016-1182</b>	Oracle Adaptive	OAAM Server (Apache Struts	HTTP	Yes	8.2	Network	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
	Access Manager	1)					
<b>CVE-2018-3204</b>	Oracle Business Intelligence Enterprise Edition	Analytics Server	HTTP	Yes	8.2	Network	Low
<b>CVE-2016-1182</b>	Oracle Real-Time Decision Server	Platform Installation (Apache Struts 1)	HTTP	Yes	8.2	Network	Low
<b>CVE-2017-7805</b>	Oracle Directory Server Enterprise Edition	Admin Console (Sun Security Libraries)	HTTP	No	7.5	Network	High
<b>CVE-2018-3152</b>	Oracle GlassFish Server	Administration	HTTP	Yes	7.5	Network	Low
<b>CVE-2018-1000300</b>	Oracle HTTP Server	Web Listener (curl)	HTTP	Yes	7.5	Network	High
<b>CVE-2018-0732</b>	Oracle Tuxedo	Docs-ATMI-IB (OpenSSL)	HTTPS	Yes	7.5	Network	Low
<b>CVE-2018-3246</b>	Oracle WebLogic Server	WLS - Web Services	HTTP	Yes	7.5	Network	Low
<b>CVE-2018-3213</b>	Oracle WebLogic Server	Docker Images	T3	Yes	7.5	Network	Low
<b>CVE-2018-8013</b>	Oracle Business Intelligence Enterprise Edition	Oracle Business Intelligence Enterprise Edition (Apache Batik)	HTTP	Yes	7.3	Network	Low
<b>CVE-2018-8013</b>	Oracle Enterprise Repository	Security Subsystem - 12c (Apache Batik)	HTTP	Yes	7.3	Network	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2018-3179</b>	Oracle Identity Manager	Advanced Console	HTTP	Yes	7.2	Network	Low
<b>CVE-2018-3168</b>	Oracle Identity Analytics	Core Components	HTTP	No	7.1	Network	Low
<b>CVE-2018-3217</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3218</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3219</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3220</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3221</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3302</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3222</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3223</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3224</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3225</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3226</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2018-3227</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3228</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3229</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3230</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3231</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3232</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3233</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3234</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-18223</b>	Oracle Outside In Technology	Outside In Filters (ODA Module)	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-18224</b>	Oracle Outside In Technology	Outside In Filters (ODA Module)	HTTP	Yes	7.1	Network	Low
<b>CVE-2018-3238</b>	Oracle WebCenter Sites	Advanced UI	HTTP	No	6.9	Network	Low
<b>CVE-2018-0739</b>	Oracle Endeca Server	Product Code (OpenSSL)	HTTP	Yes	6.5	Network	Low
<b>CVE-2018-1305</b>	Oracle WebCenter Sites	Advanced UI (Apache Tomcat)	HTTP	No	6.5	Network	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2018-3249</b>	Oracle WebLogic Server	WLS - Web Services	HTTP	No	6.5	Network	Low
<b>CVE-2018-3248</b>	Oracle WebLogic Server	WLS - Web Services	HTTP	Yes	6.5	Network	Low
<b>CVE-2015-9251</b>	Oracle Endeca Information Discovery Studio	Studio (jQuery)	HTTP	Yes	6.1	Network	Low
<b>CVE-2017-14735</b>	Oracle Fusion Middleware MapViewer	Install (AntiSamy)	HTTP	Yes	6.1	Network	Low
<b>CVE-2015-9251</b>	Oracle Service Bus	OSB Core Functionality (jQuery)	HTTP	Yes	6.1	Network	Low
<b>CVE-2015-9251</b>	Oracle WebCenter Sites	Advanced UI (jQuery)	HTTP	Yes	6.1	Network	Low
<b>CVE-2018-3250</b>	Oracle WebLogic Server	WLS - Web Services	HTTP	Yes	6.1	Network	Low
<b>CVE-2018-3215</b>	Oracle Endeca Information Discovery Integrator	Integrator ETL	HTTP	Yes	5.4	Network	Low
<b>CVE-2018-3210</b>	Oracle GlassFish Server	Java Server Faces	HTTP	Yes	5.3	Network	Low
<b>CVE-2018-3254</b>	Oracle WebCenter Portal	WebCenter Spaces Application	HTTP	Yes	5.3	Network	Low
<b>CVE-2018-3253</b>	Oracle Virtual Directory	Virtual Directory Manager	HTTP	No	8.5	Network	High

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2018-3147</b>	Oracle Outside In Technology	Outside In Filters	HTTP	Yes	4.3	Network	Low
<b>CVE-2018-2902</b>	Oracle WebLogic Server	Console	HTTP	No	4.3	Network	Low

## Notes:

1. Outside In Technology is a suite of software development kits (SDKs). The protocol and CVSS score depend on the software that uses the Outside In Technology code. The CVSS score assumes that the software passes data received over a network directly to Outside In Technology code, but if data is not received over a network the CVSS score may be lower.

## Additional CVEs addressed are below:

- The fix for CVE-2016-1182 also addresses CVE-2014-0114 and CVE-2016-1181.
- The fix for CVE-2017-15095 also addresses CVE-2017-7525 and CVE-2018-7489.
- The fix for CVE-2018-0732 also addresses CVE-2018-0737.
- The fix for CVE-2018-0739 also addresses CVE-2017-3738 and CVE-2018-0733.
- The fix for CVE-2018-1000300 also addresses CVE-2018-1000120, CVE-2018-1000121, CVE-2018-1000122 and CVE-2018-1000301.
- The fix for CVE-2018-1258 also addresses CVE-2018-11039, CVE-2018-11040 and CVE-2018-1257.
- The fix for CVE-2018-1275 also addresses CVE-2016-0635, CVE-2018-1258, CVE-2018-1270, CVE-2018-1271 and CVE-2018-1272.
- The fix for CVE-2018-1305 also addresses CVE-2018-1304.

## Oracle Health Sciences Applications Risk Matrix

This Critical Patch Update contains 1 new security fix for Oracle Health Sciences Applications. This vulnerability is remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2015-9251</b>	Oracle Healthcare Translational Research	Cohort Explorer (jQuery)	HTTP	Yes	6.1	Network	Low	None

## Oracle Hospitality Applications Risk Matrix

This Critical Patch Update contains 9 new security fixes for Oracle Hospitality Applications. 2 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 F			
					Base Score	Attack Vector	Attack Complex	Privs Req'd
<b>CVE-2018-1258</b>	Oracle Hospitality Guest Access	Base (Spring Framework)	HTTP	No	8.8	Network	Low	Low
<b>CVE-2018-3160</b>	Oracle Hospitality Cruise Shipboard Property Management System	OHC Admin, OHC Management	None	No	7.7	Local	Low	High
<b>CVE-2018-3158</b>	Oracle Hospitality Cruise Fleet Management	Emergency Response System	HTTP	No	7.1	Network	Low	Low
<b>CVE-2018-3163</b>	Oracle Hospitality Cruise Fleet Management	Emergency Response System	HTTP	Yes	6.5	Network	Low	None
<b>CVE-2018-3166</b>	Oracle Hospitality Cruise Fleet Management	Emergency Response System	HTTP	No	6.5	Network	Low	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 F			
					Base Score	Attack Vector	Attack Complex	Privs Req'd
<b>CVE-2018-1305</b>	Oracle Hospitality Guest Access	Base (Apache Tomcat)	HTTP	No	6.5	Network	Low	Low
<b>CVE-2018-3159</b>	Oracle Hospitality Cruise Fleet Management	Sender and Receiver	None	No	6.1	Local	Low	Low
<b>CVE-2015-9251</b>	Oracle Hospitality Guest Access	Base (jQuery)	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3181</b>	Oracle Hospitality Cruise Shipboard Property Management System	OHC ENOAD	None	No	5.5	Local	Low	Low

## Additional CVEs addressed are below:

- The fix for CVE-2018-1258 also addresses CVE-2018-11039, CVE-2018-11040 and CVE-2018-1257.
- The fix for CVE-2018-1305 also addresses CVE-2018-1304.

## Oracle Hyperion Risk Matrix

This Critical Patch Update contains 9 new security fixes for Oracle Hyperion. 6 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Privs Req'd
<b>CVE-2018-3208</b>	Hyperion Data Relationship Management	Access and Security	HTTP	No	7.7	Network	Low	Low
<b>CVE-2018-3142</b>	Hyperion Essbase	EAS Console	HTTP	No	7.7	Network	Low	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Priv: Req'
	Administration Services							
<b>CVE-2018-3175</b>	Hyperion Common Events	User Interface	HTTP	Yes	6.1	Network	Low	Non
<b>CVE-2018-3176</b>	Hyperion Common Events	User Interface	HTTP	Yes	6.1	Network	Low	Non
<b>CVE-2018-3177</b>	Hyperion Common Events	User Interface	HTTP	Yes	6.1	Network	Low	Non
<b>CVE-2018-3178</b>	Hyperion Common Events	User Interface	HTTP	Yes	6.1	Network	Low	Non
<b>CVE-2018-3140</b>	Hyperion Essbase Administration Services	EAS Console	HTTP	Yes	6.1	Network	Low	Non
<b>CVE-2018-3141</b>	Hyperion Essbase Administration Services	EAS Console	HTTP	Yes	5.8	Network	Low	Non
<b>CVE-2018-3184</b>	Hyperion BI+	IQR - Foundation Services	HTTP	No	2.4	Network	Low	Higl

## Oracle iLearning Risk Matrix

This Critical Patch Update contains 1 new security fix for Oracle iLearning. This vulnerability is remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3146</b>	Oracle iLearning	Learner Administration	HTTP	Yes	8.2	Network	Low	None

## Oracle Insurance Applications Risk Matrix

This Critical Patch Update contains 5 new security fixes for Oracle Insurance Applications. All of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2017-5645</b>	Oracle Insurance Calculation Engine	Calculation engine (Apache Log4j)	HTTP	Yes	9.8	Network	Low	None
<b>CVE-2018-1275</b>	Oracle Insurance Calculation Engine	Calculation engine (Spring Framework)	HTTP	Yes	9.8	Network	Low	None
<b>CVE-2017-5645</b>	Oracle Insurance Rules Palette	Rules Palette (Apache Log4j)	HTTP	Yes	9.8	Network	Low	None
<b>CVE-2018-1275</b>	Oracle Insurance Rules Palette	Rules Palette (Spring Framework)	HTTP	Yes	9.8	Network	Low	None
<b>CVE-2018-8013</b>	Oracle Insurance Calculation Engine	Architecture (Apache Batik)	HTTP	Yes	7.3	Network	Low	None

## Additional CVEs addressed are below:

- The fix for CVE-2018-1275 also addresses CVE-2018-1270.

## Oracle Java SE Risk Matrix

This Critical Patch Update contains 12 new security fixes for Oracle Java SE. 11 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

The CVSS scores below assume that a user running a Java applet or Java Web Start application (in Java SE 8) has administrator privileges (typical on Windows). When the user does not run with administrator privileges (typical on Solaris and Linux), the corresponding CVSS impact

scores for Confidentiality, Integrity, and Availability are "Low" instead of "High", lowering the CVSS Base Score. For example, a Base Score of 9.6 becomes 7.1.

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 R			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3183</b>	Java SE, Java SE Embedded, JRockit	Scripting	Multiple	Yes	9.0	Network	High	None
<b>CVE-2018-3209</b>	Java SE	JavaFX	Multiple	Yes	8.3	Network	High	None
<b>CVE-2018-3169</b>	Java SE, Java SE Embedded	Hotspot	Multiple	Yes	8.3	Network	High	None
<b>CVE-2018-3149</b>	Java SE, Java SE Embedded, JRockit	JNDI	Multiple	Yes	8.3	Network	High	None
<b>CVE-2018-3211</b>	Java SE, Java SE Embedded	Serviceability	None	No	6.6	Local	Low	Low
<b>CVE-2018-3180</b>	Java SE, Java SE Embedded, JRockit	JSSE	SSL/TLS	Yes	5.6	Network	High	None

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 R			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3214</b>	Java SE, Java SE Embedded, JRockit	Sound	Multiple	Yes	5.3	Network	Low	None
<b>CVE-2018-3157</b>	Java SE	Sound	Multiple	Yes	3.7	Network	High	None
<b>CVE-2018-3150</b>	Java SE	Utility	Multiple	Yes	3.7	Network	High	None
<b>CVE-2018-13785</b>	Java SE, Java SE Embedded	Deployment (libpng)	HTTP	Yes	3.7	Network	High	None
<b>CVE-2018-3136</b>	Java SE, Java SE Embedded	Security	Multiple	Yes	3.4	Network	High	None
<b>CVE-2018-3139</b>	Java SE, Java SE Embedded	Networking	Multiple	Yes	3.1	Network	High	None

## Notes:

1. This vulnerability applies to Java deployments, typically in clients running sandboxed Java Web Start applications or sandboxed Java applets (in Java SE 8), that load and run untrusted code (e.g., code that comes from the internet) and rely on the Java sandbox for security. This vulnerability can also be exploited by using APIs in the specified Component, e.g., through a web service which supplies data to the APIs.

2. This vulnerability applies to Java deployments, typically in clients running sandboxed Java Web Start applications or sandboxed Java applets (in Java SE 8), that load and run untrusted code (e.g., code that comes from the internet) and rely on the Java sandbox for security. This vulnerability does not apply to Java deployments, typically in servers, that load and run only trusted code (e.g., code installed by an administrator).

3. This vulnerability applies to Java deployments, typically in clients running sandboxed Java Web Start applications or sandboxed Java applets (in Java SE 8), that load and run untrusted code (e.g., code that comes from the internet) and rely on the Java sandbox for security. This vulnerability does not apply to Java deployments, typically in servers, that load and run only trusted code (e.g., code installed by an administrator). This vulnerability can only be exploited when Java Usage Tracker functionality is being used.

4. This vulnerability applies to Java deployments that load and run untrusted code (e.g., code that comes from the internet) and rely on the Java sandbox for security. This vulnerability does not apply to Java deployments, typically in servers, that load and run only trusted code (e.g., code installed by an administrator).

## Additional CVEs addressed are below:

- The fix for CVE-2018-13785 also addresses CVE-2018-14048.

## Oracle JD Edwards Products Risk Matrix

This Critical Patch Update contains 6 new security fixes for Oracle JD Edwards Products. All of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.1			
					Base Score	Attack Vector	Attack Complex	Pr Re
<b>CVE-2018-7489</b>	JD Edwards EnterpriseOne Orchestrator	IoT Orchestrator Security (jackson-databind)	HTTP	Yes	9.8	Network	Low	N
<b>CVE-2018-7489</b>	JD Edwards EnterpriseOne Tools	EnterpriseOne Mobility (jackson-databind)	HTTP	Yes	9.8	Network	Low	N
<b>CVE-2018-7489</b>	JD Edwards EnterpriseOne Tools	Web Runtime (jackson-databind)	HTTP	Yes	9.8	Network	Low	N

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Pr
<b>CVE-2017-15095</b>	JD Edwards EnterpriseOne Tools	Business Logic Inf (jackson-databind)	HTTP	Yes	8.1	Network	High	N
<b>CVE-2017-15095</b>	JD Edwards EnterpriseOne Tools	Monitoring and Diagnostics (jackson-databind)	HTTP	Yes	8.1	Network	High	N
<b>CVE-2018-0739</b>	JD Edwards EnterpriseOne Tools	Enterprise Infrastructure (OpenSSL)	JDENET	Yes	6.5	Network	Low	N

## Additional CVEs addressed are below:

- The fix for CVE-2017-15095 also addresses CVE-2017-7525.
- The fix for CVE-2018-0739 also addresses CVE-2017-3738 and CVE-2018-0733.
- The fix for CVE-2018-7489 also addresses CVE-2017-15095 and CVE-2017-7525.

## Oracle MySQL Risk Matrix

This Critical Patch Update contains 38 new security fixes for Oracle MySQL. 3 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-11776</b>	MySQL Enterprise Monitor	Monitoring: General (Apache Struts 2)	HTTP	Yes	9.8	Network	Low	None
<b>CVE-2018-8014</b>	MySQL Enterprise Monitor	Monitoring: General (Apache Tomcat)	HTTP	Yes	9.8	Network	Low	None

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3258</b>	MySQL Connectors	Connector/J	X Protocol	No	8.8	Network	Low	Low
<b>CVE-2018-1258</b>	MySQL Enterprise Monitor	Monitoring: General (Spring Framework)	HTTP	No	8.8	Network	Low	Low
<b>CVE-2016-9843</b>	MySQL Server	InnoDB (zlib)	MySQL Protocol	No	8.8	Network	Low	Low
<b>CVE-2018-3155</b>	MySQL Server	Server: Parser	MySQL Protocol	No	7.7	Network	Low	Low
<b>CVE-2018-3143</b>	MySQL Server	InnoDB	MySQL Protocol	No	6.5	Network	Low	Low
<b>CVE-2018-3156</b>	MySQL Server	InnoDB	MySQL Protocol	No	6.5	Network	Low	Low
<b>CVE-2018-3251</b>	MySQL Server	InnoDB	MySQL Protocol	No	6.5	Network	Low	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3182</b>	MySQL Server	Server: DML	MySQL Protocol	No	6.5	Network	Low	Low
<b>CVE-2018-3137</b>	MySQL Server	Server: Optimizer	MySQL Protocol	No	6.5	Network	Low	Low
<b>CVE-2018-3203</b>	MySQL Server	Server: Optimizer	MySQL Protocol	No	6.5	Network	Low	Low
<b>CVE-2018-3133</b>	MySQL Server	Server: Parser	MySQL Protocol	No	6.5	Network	Low	Low
<b>CVE-2018-3145</b>	MySQL Server	Server: Parser	MySQL Protocol	No	6.5	Network	Low	Low
<b>CVE-2018-3144</b>	MySQL Server	Server: Security: Audit	MySQL Protocol	Yes	5.9	Network	High	None
<b>CVE-2018-3185</b>	MySQL Server	InnoDB	MySQL Protocol	No	5.5	Network	Low	High
<b>CVE-2018-3195</b>	MySQL Server	Server: DDL	MySQL Protocol	No	5.5	Network	Low	High
<b>CVE-2018-3247</b>	MySQL Server	Server: Merge	MySQL Protocol	No	5.5	Network	Low	High
<b>CVE-2018-3187</b>	MySQL Server	Server: Optimizer	MySQL Protocol	No	5.5	Network	Low	High
<b>CVE-2018-3174</b>	MySQL Server	Client programs	MySQL Protocol	No	5.3	Local	High	High

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3171</b>	MySQL Server	Server: Partition	MySQL Protocol	No	5.0	Network	High	High
<b>CVE-2018-3277</b>	MySQL Server	InnoDB	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3162</b>	MySQL Server	InnoDB	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3173</b>	MySQL Server	InnoDB	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3200</b>	MySQL Server	InnoDB	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3170</b>	MySQL Server	Server: DDL	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3212</b>	MySQL Server	Server: Information Schema	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3280</b>	MySQL Server	Server: JSON	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3276</b>	MySQL Server	Server: Memcached	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3186</b>	MySQL Server	Server: Optimizer	MySQL Protocol	No	4.9	Network	Low	High

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RIS			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3161</b>	MySQL Server	Server: Partition	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3278</b>	MySQL Server	Server: RBR	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3279</b>	MySQL Server	Server: Security: Roles	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3282</b>	MySQL Server	Server: Storage Engines	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3285</b>	MySQL Server	Server: Windows	MySQL Protocol	No	4.9	Network	Low	High
<b>CVE-2018-3284</b>	MySQL Server	InnoDB	MySQL Protocol	No	4.4	Network	High	High
<b>CVE-2018-3283</b>	MySQL Server	Server: Logging	MySQL Protocol	No	4.4	Network	High	High
<b>CVE-2018-3286</b>	MySQL Server	Server: Security: Privileges	MySQL Protocol	No	4.3	Network	Low	Low

## Additional CVEs addressed are below:

- The fix for CVE-2016-9843 also addresses CVE-2016-9840, CVE-2016-9841 and CVE-2016-9842.
- The fix for CVE-2018-1258 also addresses CVE-2018-11039, CVE-2018-11040 and CVE-2018-1257.

- The fix for CVE-2018-8014 also addresses CVE-2018-1304, CVE-2018-1305, CVE-2018-8034 and CVE-2018-8037.

## Oracle PeopleSoft Products Risk Matrix

This Critical Patch Update contains 24 new security fixes for Oracle PeopleSoft Products. 21 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RI			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2017-9798</b>	PeopleSoft Enterprise PeopleTools	PeopleSoft CDA (Apache HTTP Server)	HTTP	Yes	7.5	Network	Low	None
<b>CVE-2018-3192</b>	PeopleSoft Enterprise PeopleTools	Query	HTTP	No	7.2	Network	Low	High
<b>CVE-2018-3165</b>	PeopleSoft Enterprise PeopleTools	SQR	HTTP	No	7.2	Network	Low	High
<b>CVE-2018-0739</b>	PeopleSoft Enterprise PeopleTools	Security (OpenSSL)	HTTPS	Yes	6.5	Network	Low	None
<b>CVE-2018-3193</b>	PeopleSoft Enterprise PeopleTools	Activity Guide	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3194</b>	PeopleSoft Enterprise PeopleTools	Activity Guide	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3164</b>	PeopleSoft Enterprise PeopleTools	Elastic Search	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3255</b>	PeopleSoft Enterprise PeopleTools	Fluid Core	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3301</b>	PeopleSoft Enterprise PeopleTools	PIA Core Technology	HTTP	Yes	6.1	Network	Low	None

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RI			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3153</b>	PeopleSoft Enterprise PeopleTools	PIA Core Technology	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3257</b>	PeopleSoft Enterprise PeopleTools	PIA Core Technology	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3154</b>	PeopleSoft Enterprise PeopleTools	Portal	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3206</b>	PeopleSoft Enterprise PeopleTools	Portal	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3207</b>	PeopleSoft Enterprise PeopleTools	Portal	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3132</b>	PeopleSoft Enterprise PeopleTools	Rich Text Editor	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3205</b>	PeopleSoft Enterprise PeopleTools	Workflow	HTTP	Yes	6.1	Network	Low	None
<b>CVE-2018-3130</b>	PeopleSoft Enterprise Interaction Hub	Application Portal	HTTP	No	5.4	Network	Low	Low
<b>CVE-2018-3239</b>	PeopleSoft Enterprise PeopleTools	Integration Broker	HTTP	Yes	5.3	Network	Low	None
<b>CVE-2018-3261</b>	PeopleSoft Enterprise PeopleTools	Integration Broker	HTTP	Yes	5.3	Network	Low	None
<b>CVE-2018-3202</b>	PeopleSoft Enterprise PeopleTools	Performance Monitor	HTTP	Yes	5.3	Network	Low	None
<b>CVE-2018-3198</b>	PeopleSoft Enterprise PeopleTools	Portal	HTTP	Yes	5.3	Network	Low	None
<b>CVE-2018-3135</b>	PeopleSoft Enterprise	Portal	HTTP	Yes	4.7	Network	Low	None

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RI			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
	PeopleTools							
<b>CVE-2018-3262</b>	PeopleSoft Enterprise PeopleTools	Stylesheet	HTTP	Yes	4.7	Network	Low	None
<b>CVE-2018-3129</b>	PeopleSoft Enterprise PeopleTools	Portal	HTTP	Yes	4.3	Network	Low	None

## Additional CVEs addressed are below:

- The fix for CVE-2018-0739 also addresses CVE-2017-3738 and CVE-2018-0733.

## Oracle Retail Applications Risk Matrix

This Critical Patch Update contains 31 new security fixes for Oracle Retail Applications. 21 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RI		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2016-1000031</b>	MICROS Relate CRM Software	Web Services (Apache Commons)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-7489</b>	Oracle Retail Allocation	General (jackson-databind)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-7489</b>	Oracle Retail Assortment Planning	Application Core (jackson-databind)	HTTP	Yes	9.8	Network	Low
<b>CVE-2016-1000031</b>	Oracle Retail Customer Management and Segmentation Foundation	Internal Operations (Apache Commons)	HTTP	Yes	9.8	Network	Low
<b>CVE-2017-5645</b>	Oracle Retail Extract	Mathematical Operators	HTTP	Yes	9.8	Network	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.1		
					Base Score	Attack Vector	Attack Complexity
	Transform and Load	(Apache Log4j)					
<b>CVE-2018-7489</b>	Oracle Retail Invoice Matching	Security (jackson-databind)	HTTP	Yes	9.8	Network	Low
<b>CVE-2017-5645</b>	Oracle Retail Open Commerce Platform	Framework (Apache Log4j)	HTTP	Yes	9.8	Network	Low
<b>CVE-2017-5533</b>	Oracle Retail Open Commerce Platform	Framework (JasperReports)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-1275</b>	Oracle Retail Open Commerce Platform	Framework (Spring Framework)	HTTP	Yes	9.8	Network	Low
<b>CVE-2017-5533</b>	Oracle Retail Order Broker	Order Broker Foundation (JasperReports)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-1275</b>	Oracle Retail Order Broker	System Administration (Spring Framework)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-1275</b>	Oracle Retail Predictive Application Server	RPAS Fusion Client (Spring Framework)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-7489</b>	Oracle Retail Sales Audit	Operational Insights (jackson-databind)	HTTP	Yes	9.8	Network	Low
<b>CVE-2018-1258</b>	MICROS Lucas	Security (Spring Framework)	HTTP	No	8.8	Network	Low
<b>CVE-2018-1258</b>	Oracle Retail Assortment Planning	Application Core (Spring Framework)	HTTP	No	8.8	Network	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.1		
					Base Score	Attack Vector	Attack Complexity
<b>CVE-2018-1258</b>	Oracle Retail Financial Integration	PeopleSoft Integration Bugs (Spring Framework)	HTTP	No	8.8	Network	Low
<b>CVE-2018-1258</b>	Oracle Retail Integration Bus	RIB Kernel (Spring Framework)	HTTP	No	8.8	Network	Low
<b>CVE-2017-15095</b>	Oracle Retail Open Commerce Platform	Framework (jackson-databind)	HTTP	Yes	8.1	Network	High
<b>CVE-2018-3115</b>	Oracle Retail Sales Audit	Operational Insights	HTTP	No	7.7	Network	High
<b>CVE-2018-2889</b>	MICROS Retail-J	Internal Operations	HTTP	Yes	7.5	Network	Low
<b>CVE-2018-8013</b>	Oracle Retail Back Office	Security (Apache Batik)	HTTP	Yes	7.3	Network	Low
<b>CVE-2018-8013</b>	Oracle Retail Central Office	Security (Apache Batik)	HTTP	Yes	7.3	Network	Low
<b>CVE-2018-8013</b>	Oracle Retail Order Broker	Upgrade Install (Apache Batik)	HTTP	Yes	7.3	Network	Low
<b>CVE-2018-8013</b>	Oracle Retail Point-of-Service	Security (Apache Batik)	HTTP	Yes	7.3	Network	Low
<b>CVE-2018-8013</b>	Oracle Retail Returns Management	Security (Apache Batik)	HTTP	Yes	7.3	Network	Low
<b>CVE-2018-3122</b>	Oracle Retail Open Commerce Platform	Integrations	HTTP	No	6.8	Network	High
<b>CVE-2018-3126</b>	Oracle Retail Xstore Point of Service	Xenvironment	HTTP	No	6.6	Network	High
<b>CVE-2018-7489</b>	Oracle Retail Xstore Point of Service	Xenvironment (jackson-databind)	HTTP	No	6.6	Network	High

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0		
					Base Score	Attack Vector	Attack Complex
<b>CVE-2018-2887</b>	MICROS Retail-J	Back Office	HTTP	Yes	6.5	Network	Low
<b>CVE-2018-1305</b>	MICROS XBRi	Retail (Apache Tomcat)	HTTP	No	6.5	Network	Low
<b>CVE-2018-1305</b>	Oracle Retail Order Broker	Upgrade Install (Apache Tomcat)	HTTP	No	6.5	Network	Low

## Additional CVEs addressed are below:

- The fix for CVE-2017-5533 also addresses CVE-2017-5529.
- The fix for CVE-2018-1258 also addresses CVE-2018-11039, CVE-2018-11040 and CVE-2018-1257.
- The fix for CVE-2018-1275 also addresses CVE-2017-5529, CVE-2018-1258, CVE-2018-1270, CVE-2018-1271 and CVE-2018-1272.
- The fix for CVE-2018-1305 also addresses CVE-2018-1304.
- The fix for CVE-2018-7489 also addresses CVE-2017-7525, CVE-2018-11307 and CVE-2018-12022.

## Oracle Siebel CRM Risk Matrix

This Critical Patch Update contains 3 new security fixes for Oracle Siebel CRM. 2 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Priv Req
<b>CVE-2017-5645</b>	Siebel UI Framework	EAI (Apache Log4j)	HTTP	Yes	9.8	Network	Low	Nor
<b>CVE-2018-1305</b>	Siebel Apps - Marketing	Mktg/Campaign Mgmt (Apache Tomcat)	HTTP	No	6.5	Network	Low	Low

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Priv Req
<b>CVE-2018-3059</b>	Siebel UI Framework	UIF Open UI	HTTP	Yes	6.1	Network	Low	Nor

## Additional CVEs addressed are below:

- The fix for CVE-2018-1305 also addresses CVE-2018-1304.

## Oracle Sun Systems Products Suite Risk Matrix

This Critical Patch Update contains 19 new security fixes for the Oracle Sun Systems Products Suite. 9 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RI			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2016-7167</b>	Fujitsu M10-1, M10-4, M10-4S, M12-1, M12-2, M12-2S Servers	XCP Firmware (curl)	Multiple	Yes	9.8	Network	Low	None
<b>CVE-2016-7167</b>	SPARC Enterprise M3000, M4000, M5000, M8000, M9000 Servers	XCP Firmware (curl)	Multiple	Yes	9.8	Network	Low	None
<b>CVE-2018-3273</b>	Solaris	Remote Administration Daemon (RAD)	Multiple	Yes	8.1	Network	Low	None
<b>CVE-2016-5244</b>	Solaris	Kernel	Multiple	Yes	7.5	Network	Low	None

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RI			
					Base Score	Attack Vector	Attack Complex	Privs-Req'd
<b>CVE-2018-3275</b>	Solaris	LibKMIP	Multiple	Yes	7.4	Network	High	None
<b>CVE-2018-3272</b>	Solaris	Kernel Zones Virtualized NIC Driver	None	No	6.2	Local	Low	None
<b>CVE-2018-3274</b>	Solaris	Kernel	SMB	No	5.7	Network	Low	Low
<b>CVE-2018-3263</b>	Solaris	Sudo	Multiple	Yes	5.6	Network	High	None
<b>CVE-2015-6937</b>	Solaris	Kernel	None	No	5.5	Local	Low	Low
<b>CVE-2018-3267</b>	Solaris	LFTP	FTP	Yes	5.3	Network	Low	None
<b>CVE-2018-3271</b>	Solaris	Kernel Zones	None	No	5.3	Local	High	High
<b>CVE-2018-3172</b>	Solaris	RPC	Portmap v3	Yes	5.3	Network	Low	None
<b>CVE-2018-3268</b>	Solaris	SMB Server	SMB	Yes	5.3	Network	Low	None
<b>CVE-2018-3265</b>	Solaris	Zones	None	No	4.9	Local	High	None
<b>CVE-2018-3264</b>	Solaris	Kernel	None	No	4.4	Local	Low	Low
<b>CVE-2018-3269</b>	Solaris	SMB Server	SMB	No	4.3	Network	Low	Low
<b>CVE-2018-3266</b>	Solaris	Verified Boot	None	No	3.9	Local	High	High
<b>CVE-2018-2922</b>	Solaris	Kernel	None	No	2.5	Local	High	Low
<b>CVE-2018-3270</b>	Solaris	Kernel	None	No	1.8	Local	High	High

## Notes:

1. SPARC Enterprise M3000, M4000, M5000, M8000, M9000 Servers are not affected by CVE-2017-7407 and CVE-2016-7141.

## Additional CVEs addressed are below:

- The fix for CVE-2015-6937 also addresses CVE-2015-7990.
- The fix for CVE-2016-7167 also addresses CVE-2015-3144, CVE-2015-3145, CVE-2015-3153, CVE-2015-3236, CVE-2015-3237, CVE-2016-0755, CVE-2016-3739, CVE-2016-5419, CVE-2016-5420, CVE-2016-5421, CVE-2016-7141, CVE-2016-8615, CVE-2016-8616, CVE-2016-8617, CVE-2016-8618, CVE-2016-8619, CVE-2016-8620, CVE-2016-8621, CVE-2016-8622, CVE-2016-8623, CVE-2016-8624, CVE-2016-9586 and CVE-2017-7407.

## Oracle Supply Chain Products Suite Risk Matrix

This Critical Patch Update contains 6 new security fixes for the Oracle Supply Chain Products Suite. 1 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0			
					Base Score	Attack Vector	Attack Complex	Priv Req
<b>CVE-2018-1258</b>	Oracle Agile PLM	Application Server (Spring Framework)	HTTP	No	8.8	Network	Low	Low
<b>CVE-2018-1305</b>	Oracle Agile Engineering Data Management	Install (Apache Tomcat)	HTTP	No	6.5	Network	Low	Low
<b>CVE-2018-1305</b>	Oracle Agile PLM	Folders, Files & Attachments (Apache Tomcat)	HTTP	No	6.5	Network	Low	Low
<b>CVE-2018-1305</b>	Oracle Transportation Management	Install (Apache Tomcat)	HTTP	No	6.5	Network	Low	Low
<b>CVE-2018-3134</b>	Oracle Agile Product Lifecycle Management for Process	User Group Management	None	No	5.0	Local	High	Low
<b>CVE-2018-3127</b>	Oracle Demantra Demand Management	Product Security	HTTP	Yes	4.3	Network	Low	Nor

## Additional CVEs addressed are below:

- The fix for CVE-2018-1258 also addresses CVE-2018-11039, CVE-2018-11040 and CVE-2018-1257.
- The fix for CVE-2018-1305 also addresses CVE-2018-1304.

## Oracle Support Tools Risk Matrix

This Critical Patch Update contains 1 new security fix for Oracle Support Tools. This vulnerability is remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK (Score)				
					Base Score	Attack Vector	Attack Complex	Privs-Req'd	User Int.
<b>CVE-2018-0739</b>	OSS Support Tools	Services Tools Bundle (OpenSSL)	HTTP	Yes	6.5	Network	Low	None	Remote

## Additional CVEs addressed are below:

- The fix for CVE-2018-0739 also addresses CVE-2017-3738 and CVE-2018-0733.

## Oracle Virtualization Risk Matrix

This Critical Patch Update contains 14 new security fixes for Oracle Virtualization. 1 of these vulnerabilities may be remotely exploitable without authentication, i.e., may be exploited over a network without requiring user credentials. The English text form of this Risk Matrix can be found [here](#).

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK (Score)				
					Base Score	Attack Vector	Attack Complex	Privs-Req'd	User Int.
<b>CVE-2018-3294</b>	Oracle VM VirtualBox	Core	VRDP	No	9.0	Network	Low	Low	Remote
<b>CVE-2018-3288</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	Remote
<b>CVE-2018-3289</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	Remote

CVE#	Product	Component	Protocol	Remote Exploit without Auth.?	CVSS VERSION 3.0 RISK				
					Base Score	Attack Vector	Attack Complex	Privs-Req'd	I
<b>CVE-2018-3290</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3296</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3297</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-2909</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3298</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3291</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3292</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3293</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3295</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-3287</b>	Oracle VM VirtualBox	Core	None	No	8.6	Local	Low	None	R
<b>CVE-2018-0732</b>	Oracle VM VirtualBox	Core (OpenSSL)	TLS	Yes	7.5	Network	Low	None	

## Additional CVEs addressed are below:

- The fix for CVE-2018-0732 also addresses CVE-2018-0737.

