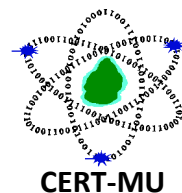


# CERT-MU Security Alert



## Multiple Vulnerabilities in Oracle Products

**Original Issue Date:** 20 July, 2016

**Severity Rating:** High

### Description:

Multiple vulnerabilities have been identified in Oracle products and they can be exploited by remote / local attackers to access and modify data, cause denial of service and gain elevated privileges. The most critical vulnerabilities reported are as follows:

Vulnerability	Description	Affected Software	Workarounds
<b>Multiple Vulnerabilities in Oracle Enterprise Manager Base Platform</b>  <b>CVE Info:</b> <a href="#">CVE-2015-7501</a> <a href="#">CVE-2016-0635</a> <a href="#">CVE-2016-3494</a> <a href="#">CVE-2016-3563</a> <a href="#">CVE-2016-2107</a> <a href="#">CVE-2015-3197</a> <a href="#">CVE-2016-3496</a> <a href="#">CVE-2016-3540</a>	Multiple vulnerabilities have been reported in Oracle Enterprise Manager Base Platform (formerly "Oracle Enterprise Manager Grid Control"). Successful exploitation of the vulnerabilities can allow remote attackers to access data without authentication and local users access and modify data and deny service	<ul style="list-style-type: none"><li>Enterprise Manager Ops Center versions 12.1.4, 12.2.2, 12.3.2</li><li>Enterprise Manager Base Platform versions 12.1.0.5, 13.1.0.0</li><li>Enterprise Manager for Fusion Middleware versions 11.1.1.7, 11.1.1.9</li></ul>	Users are advised to apply updates. More information about the updates is available on:  <a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixEM">http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixEM</a>
<b>Multiple Vulnerabilities in Oracle E-Business Suite</b>  <b>CVE Info:</b> <a href="#">CVE-2016-3546</a> <a href="#">CVE-2016-3541</a> <a href="#">CVE-2016-3543</a> <a href="#">CVE-2016-3532</a>	Multiple vulnerabilities have been reported in Oracle E-Business Suite. Successful exploitation of the vulnerabilities can allow remote attackers to access and modify data without authentication and cause denial of service.	<ul style="list-style-type: none"><li>Oracle Advanced Collections versions 12.1.1, 12.1.2, 12.1.3</li><li>Oracle Common Applications Calendar versions 12.1.1, 12.1.2, 12.1.3, 12.2.3, 12.2.4, 12.2.5</li></ul>	Users are advised to apply updates. More information about the updates is available on:  <a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixEM">http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixEM</a>

<p> <a href="#">CVE-2016-3535</a>  <a href="#">CVE-2016-3491</a>  <a href="#">CVE-2016-3512</a>  <a href="#">CVE-2016-3536</a>  <a href="#">CVE-2016-3522</a>  <a href="#">CVE-2016-3528</a>  <a href="#">CVE-2016-3542</a>  <a href="#">CVE-2016-3525</a>  <a href="#">CVE-2016-3520</a> </p>		<ul style="list-style-type: none"> <li>• Oracle Advanced Inbound Telephony versions 12.1.1, 12.1.2, 12.1.3</li> <li>• Oracle CRM Technical Foundation versions 12.1.3</li> <li>• Oracle Customer Interaction History versions 12.1.1, 12.1.2, 12.1.3</li> <li>• Oracle Marketing versions 12.1.1, 12.1.2, 12.1.3</li> <li>• Oracle Web Applications Desktop Integrator versions 12.1.3, 12.2.3, 12.2.4, 12.2.5</li> <li>• Oracle Internet Expenses versions 12.1.1, 12.1.2, 12.1.3, 12.2.3, 12.2.4, 12.2.5</li> <li>• Oracle Knowledge Management versions 12.1.1, 12.1.2, 12.1.3, 12.2.3, 12.2.4, 12.2.5</li> <li>• Oracle Applications Manager versions 12.1.3</li> <li>• Oracle Application</li> </ul>	<p> <a href="https://www.oracle.com/technetwork/patches/advisory/cpujul2016-2881720.html#AppendixEBS">ty- advisory/cpujul2016-2881720.html#AppendixEBS</a> </p>
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		Object Library versions 12.1.3, 12.2.3, 12.2.4, 12.2.5	
<p><b>Multiple Vulnerabilities in Oracle VM VirtualBox</b></p> <p><b>CVE Info:</b>  <a href="#">CVE-2016-3597</a>  <a href="#">CVE-2016-3612</a></p>	<p>Multiple vulnerabilities have been reported in Oracle VM VirtualBox. These vulnerabilities if exploited can allow remote attackers to access and modify data without authentication and cause denial of service.</p>	<ul style="list-style-type: none"> <li>• Oracle VM VirtualBox versions prior to 5.0.26</li> </ul>	<p>Users are advised to apply updates. More information about the updates is available on:</p> <p><a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixOVIR">http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixOVIR</a></p>
<p><b>Vulnerability in Oracle HTTP Server</b></p> <p><b>CVE Info:</b>  <a href="#">CVE-2016-3482</a></p>	<p>A vulnerability has been identified in Oracle HTTP Server. Successful exploitation of this vulnerability can result in unauthorized read access to a subset of Oracle HTTP Server accessible data.</p>	<ul style="list-style-type: none"> <li>• Oracle HTTP Server versions 11.1.1.9, 12.1.3.0</li> </ul>	<p>Users are advised to apply updates. More information about the updates is available on:</p> <p><a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixFMW">http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixFMW</a></p>
<p><b>Multiple Vulnerabilities in Oracle Java SE</b></p> <p><b>CVE Info:</b>  <a href="#">CVE-2016-3503</a>  <a href="#">CVE-2016-3511</a>  <a href="#">CVE-2016-3552</a>  <a href="#">CVE-2016-3587</a>  <a href="#">CVE-2016-3598</a>  <a href="#">CVE-2016-3606</a></p>	<p>Multiple vulnerabilities have been identified in Oracle Java SE. These vulnerabilities if exploited can allow remote attackers to gain elevated privileges.</p>	<ul style="list-style-type: none"> <li>• Java SE: 8u92; Java SE Embedded: 8u91</li> <li>• Java SE: 7u101, 8u92; Java SE Embedded: 8u91</li> <li>• Java SE: 6u115, 7u101, 8u92</li> </ul>	<p>Users are advised to apply updates. More information about the updates is available on:</p> <p><a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-">http://www.oracle.com/technetwork/security-advisory/cpujul2016-</a></p>

<a href="#">CVE-2016-3610</a>			<a href="#">2881720.html#AppendixJAVA</a>
<p><b>Multiple Vulnerabilities in Oracle MySQL</b></p> <p><b>CVE Info:</b>  <a href="#">CVE-2016-3477</a>  <a href="#">CVE-2016-3440</a>  <a href="#">CVE-2016-2105</a>  <a href="#">CVE-2016-3471</a>  <a href="#">CVE-2016-3486</a>  <a href="#">CVE-2016-3501</a>  <a href="#">CVE-2016-3518</a>  <a href="#">CVE-2016-3521</a>  <a href="#">CVE-2016-3588</a>  <a href="#">CVE-2016-3615</a>  <a href="#">CVE-2016-3614</a></p>	<p>Multiple vulnerabilities have been identified in Oracle MySQL. These vulnerabilities if exploited can allow remote attackers to gain elevated privileges, perform unauthorized update, insert or delete access to some of MySQL Server accessible data and to cause a denial of service.</p>	<ul style="list-style-type: none"> <li>• MySQL Server versions: <ul style="list-style-type: none"> <li>▪ 5.5.49 and earlier</li> <li>▪ 5.6.30 and earlier</li> <li>▪ 5.7.12 and earlier</li> <li>▪ 5.7.11 and earlier</li> <li>▪ 5.5.45 and earlier</li> <li>▪ 5.6.26 and earlier</li> </ul> </li> </ul>	<p>Users are advised to apply updates. More information about the updates is available on:</p> <p><a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixMSQL">http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixMSQL</a></p>
<p><b>Multiple Vulnerabilities in Oracle Solaris</b></p> <p><b>CVE Info:</b>  <a href="#">CVE-2016-3584</a>  <a href="#">CVE-2015-8104</a>  <a href="#">CVE-2016-5454</a>  <a href="#">CVE-2016-3453</a>  <a href="#">CVE-2016-3497</a>  <a href="#">CVE-2016-5469</a>  <a href="#">CVE-2016-5471</a>  <a href="#">CVE-2016-5452</a></p>	<p>Multiple vulnerabilities have been identified in Oracle Solaris. Successful exploitation of these vulnerabilities can allow local users to gain elevated privileges, cause a denial of service and unauthorized access to data.</p>	<ul style="list-style-type: none"> <li>• Solaris versions 10 and 11.3</li> </ul>	<p>Users are advised to apply updates. More information about the updates is available on:</p> <p><a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixSUNS">http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixSUNS</a></p>
<p><b>Multiple Vulnerabilities in Oracle Database</b></p> <p><b>CVE Info:</b>  <a href="#">CVE-2016-3448</a>  <a href="#">CVE-2016-3467</a>  <a href="#">CVE-2016-3479</a></p>	<p>Multiple vulnerabilities have been identified in Oracle database. These vulnerabilities if exploited can allow remote / local attackers to gain elevated privileges, perform unauthorized update, insert or delete access, as well as unauthorized read access and cause denial of service.</p>	<ul style="list-style-type: none"> <li>• Application Express versions prior to 5.0.4</li> <li>• Portable Clusterware versions 11.2.0.4, 12.1.0.2</li> <li>• Database Vault versions 11.2.0.4,</li> </ul>	<p>Users are advised to apply updates. More information about the updates is available on:</p> <p><a href="http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixSUNS">http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixSUNS</a></p>

<a href="#">CVE-2016-3484</a> <a href="#">CVE-2016-3488</a> <a href="#">CVE-2016-3489</a> <a href="#">CVE-2016-3506</a> <a href="#">CVE-2016-3609</a>		12.1.0.1, 12.1.0.2  <ul style="list-style-type: none"> <li>• DB Sharding versions 12.1.0.2</li> <li>• Data Pump Import versions 11.2.0.4, 12.1.0.1, 12.1.0.2</li> <li>• JDBC versions 11.2.0.4, 12.1.0.1, 12.1.0.2</li> <li>• OJVM versions 11.2.0.4, 12.1.0.1 and 12.1.0.2.</li> </ul>	<a href="#">ty-advisory/cpujul2016-2881720.html#AppendixDB</a>
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**Source:**

**Oracle Security Bulletin**

<http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixEM>

<http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixEBS>

<http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixOVIR>

<http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixFMW>

<http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixJAVA>

<http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixMSQL>

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<http://www.oracle.com/technetwork/security-advisory/cpujul2016-2881720.html#AppendixDB>

<https://blogs.oracle.com/security/>

### **Security Tracker**

<http://securitytracker.com/id/1036406>

<http://securitytracker.com/id/1036403>

<http://securitytracker.com/id/1036384>

<http://securitytracker.com/id/1036372>

<http://securitytracker.com/id/1036365>

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