

Oracle Security

Spring 2018



DBA Threat Assessment

Dan Morgan

Anatomy of an IT Terrorist Attack (1:7)

- Oracle releases a new security patch
 - Attackers download it within minutes
 - Attackers read the list of weaknesses
 - Attackers know they have weeks/months before Oracle's customers will apply the patch
-
- I am going to teach everyone here how to attack any Oracle Database
 - With no escalated privileges
 - Without any tools or techniques such as SQL Injection
 - And with one only one SQL statement and one line of code
 - You have an ethical and moral responsibility to use this information only for the purpose of helping your organization understand the risk they are taking by not investing in data security

Anatomy of an IT Terrorist Attack (2:7)

Document Display

Give Feedback...

Search: database security patch

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- Agile Server Not Starting Fully After Database Security Patch 21523375 (2074804.1)
- Security Patch Update April 2017 Database Known Issues (2229042.1)
- Security Patch Update July 2017 Database Known Issues (2264640.1)
- Security Patch Update October 2017 (11.2.0.4.171017) Database Known Issues (2297788.1)
- Potential Impact of Installing Oracle Database Security Patches on Servers running OCNCC (1559390.1)
- Database Security Patching from 12.1.0.1 onwards (1581950.1)
- FAQ - SES Mandatory Software Patches And Security Patch Certification Information (2204694.1)
- Information Center: Patching and Maintaining Database Security Products (1548957.2)
- All About Security: User, Privilege, Role, SYSDBA, O/S Authentication, Audit, Encryption, OLS, Database Vault, Audit Vault (207959.1)
- Security Checklist: 10 Basic Steps to Make Your Database Secure from Attacks (1545816.1)

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PURPOSE

This document lists the known issues for Oracle Database Security Patch Update (11.2.0.4.171017) dated October 17, 2017. These known issues are in addition to the issues listed in the individual READMEs.

SCOPE

The document is for Database Administrators and/or others tasked with Quarterly Security Patching.

DETAILS

Patch 26474853 - Security Patch Update October 2017 (11.2.0.4.171017) Database Known Issues

For CPUOct2017

My Oracle Support Document ID: 2297788.1

Released: October 17, 2017

This document lists the known issues for Oracle Database Security Patch Update dated October 2017 - 11.2.0.4.171017 (aka patch 26474853). These known issues are in addition to the issues listed in the individual CPUOct2017 READMEs.

This document includes the following sections:

- Section 1. "Known Issues"
- Section 2. "Modification History"
- Section 3. "Documentation Accessibility"

1 Known Issues

Was this document helpful?

- Yes
- No

Document Details

Type:	REFERENCE
Status:	PUBLISHED
Last Major Update:	Oct 30, 2017
Last Update:	Oct 30, 2017

Information Centers

No Information Center available for this document.

Document References

No References available for this document.

Recently Viewed

- Secure Configuration for Oracle E-Business Suite Release 12.1 [403537.1]
- Secure Configuration Guide for Oracle E-Business Suite 11i [189367.1]
- Can The QWADIR Schema Be

Anatomy of an IT Terrorist Attack (3:7)

Patch Details

  **Patch 26474853: DATABASE SECURITY PATCH UPDATE 11.2.0.4.171017**

Last Updated Oct 30, 2017 6:20 PM (5+ months ago)

Product	Oracle Database - Enterprise Edition (More...)	Size	19.4 MB
Release	Oracle 11.2.0.4.0	Download Access	Software
Platform	IBM: Linux on System z	Classification	Security
		Patch Tag	All Database

Recommendations / Certifications

Recommended for Oracle Database 11.2.0.4.0

Bugs Resolved by This Patch

13944971	Fix for Bug 13944971
16450169	Fix for Bug 16450169
16524926	APEX: ORA-1031 WITH ORACLE MULTIMEDIA AND REALM PROTECTED DB SCHEMA
16721594	Fix for Bug 16721594
17006570	Fix for Bug 17006570
17088068	Fix for Bug 17088068
17343514	REMOVE JAVA FROM CATBUNDLE
17551063	Fix for Bug 17551063
17551709	DATABASE SECURITY PATCH UPDATE 11.2.0.4.0 (CPUJAN2014)
17600719	DBMS_UTILITY.INVALIDATE ORA-3113 ORA-7445 CORE DUMP [OPIGLN]

[Open Readme to View all Bugs](#)

183.6.26 INVALIDATE Procedure

This procedure invalidates a database object and (optionally) modifies its PL/SQL compiler parameter settings. It also invalidates any objects that (directly or indirectly) depend on the object being invalidated.

Syntax

```
DBMS_UTILITY.INVALIDATE (  
    p_object_id          NUMBER,  
    p_plsql_object_settings VARCHAR2 DEFAULT NULL,  
    p_option_flags       PLS_INTEGER DEFAULT 0);
```

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```
sqlplus.exe

SQL*Plus: Release 12.2.0.1.0 Production on Fri Apr 13 08:12:31 2018

Copyright (c) 1982, 2016, Oracle. All rights reserved.

Enter user-name: / as sysdba

Connected to:
Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production

Session altered.

Session altered.

SQL> SELECT grantee FROM dba_tab_privs WHERE table_name = 'DBMS_UTILITY' ORDER BY 1;

GRANTEE
-----
DBSFUSER
DVSYS
GSMADMIN_INTERNAL
ORDSYS
PUBLIC
WMSYS

6 rows selected.
```

Anatomy of an IT Terrorist Attack (6:7)

```
SQL> CREATE TABLE test (  
2 testcol VARCHAR2(20));
```

Table created.

```
SQL> CREATE OR REPLACE PROCEDURE testproc IS  
2 i PLS_INTEGER;  
3 BEGIN  
4 SELECT COUNT(*)  
5 INTO i  
6 FROM test;  
7 END testproc;  
8 /
```

SP2-0804: Procedure created with compilation warnings

```
SQL> SELECT object_id, object_name, object_type  
2 FROM user_objects  
3 WHERE object_name = 'TESTPROC';
```

OBJECT_ID	OBJECT_NAME	OBJECT_TYPE
88434	TESTPROC	PROCEDURE

```
SQL> SELECT object_id FROM user_objects WHERE object_name = 'TESTPROC';
```

```
OBJECT_ID  
-----  
88434
```

```
SQL> exec dbms_utility.invalidate(88434);
```

PL/SQL procedure successfully completed.

```
SQL> SELECT object_id, object_name  
2 FROM user_objects  
3 WHERE status = 'INVALID';
```

OBJECT_ID	OBJECT_NAME
88434	TESTPROC

Anatomy of an IT Terrorist Attack (7:7)

- We need you to grab your keyboard and join us in the battle to protect your data, your database, your organization, and
- A data and database vulnerability audit is one place to start

