

## Changes in This Release for Oracle Database Security Assessment Tool

Oracle Database Security Assessment Tool 3.1.0 (January 2024) focuses on addressing the Center for Internet Security (CIS) Benchmark v1.2 for Oracle Database 19c recommendations. DBSAT 3.1 adds 10 findings based on CIS recommendations, with updated references, as necessary. There is also a new finding for pre-authenticated URL request details in Autonomous Database Serverless, along with other minor improvements.

- New findings:
  - `USER.DEFAULTPROFILE`  
Lists the DEFAULT user profile limits.
  - `PRIV.NETPACKAGEPUBLIC`  
Checks for EXECUTE grant on DBMS\_LDAP, UTL\_HTTP, UTL\_INADDR, UTL\_SMTP, and UTL\_TCP packages to PUBLIC. It also checks, when applicable, for users who are authorized to execute these packages via ACLs.
  - `PRIV.FILESYSTEMPACKAGEPUBLIC`  
Checks for EXECUTE grant on DBMS\_LOB, UTL\_FILE, and DBMS\_ADVISOR packages to PUBLIC. It also checks for system privilege grants of CREATE ANY DIRECTORY and DROP ANY DIRECTORY to users.
  - `PRIV.ENCRYPTPACKAGEPUBLIC`  
Checks for EXECUTE grant on DBMS\_CRYPT, DBMS\_OBFUSCATION\_TOOLKIT, and DBMS\_RANDOM to PUBLIC.
  - `PRIV.JAVAPACKAGEPUBLIC`  
Checks for EXECUTE grant on DBMS\_JAVA and DBMS\_JAVA\_TEST packages to PUBLIC. Also, it checks for grants of JAVA\_ADMIN role to users.
  - `PRIV.JOBSCHPACKAGEPUBLIC`  
Checks for DBMS\_SCHEDULER and DBMS\_JOB EXECUTE grants to PUBLIC and Scheduler/Job system privileges (CREATE JOB, MANAGE SCHEDULER, CREATE EXTERNAL JOB, CREATE ANY JOB) grants to PUBLIC.

- PRIV.QUERYPACKAGEPUBLIC  
Checks for EXECUTE grant on DBMS\_XMLQUERY, DBMS\_XMLSAVE, DBMS\_XMLSTORE, DBMS\_REDACT, DBMS\_XMLGEN, and DBMS\_SQL packages to PUBLIC.
- PRIV.CREDPACKAGEPUBLIC  
Checks for EXECUTE grant on DBMS\_CREDENTIAL package to PUBLIC. It also checks for privilege grants of CREATE CREDENTIAL and CREATE ANY CREDENTIAL to users.
- AUDIT.SYNONYMS  
Checks if create/alter/drop SYNONYM is audited.
- CONF.DEFAULTPDBOSUSER  
Checks for the operating system user defined in PDB\_OS\_CREDENTIAL.
- CONF.PREAUTHREQUESTURL  
Displays pre-authenticated URL information for Autonomous Database Serverless databases including who can manage them via the DBMS\_DATA\_ACCESS package.
- Improved findings:
  - USER.NOEXPIRE  
Improved logic and summary.
  - USER.APPOWNER  
Optimizations to improve performance and reduce the level of detail.
  - ENCRYPT.TDE  
Updated remarks to clarify the usage of the TABLESPACE\_ENCRYPTION parameter and recommendations when upgrading to Oracle Database 23c and you are using a de-supported algorithm.

## Downloading and Installing Oracle Database Security Assessment Tool

- To download the Oracle Database Security Assessment Tool, go to [Oracle Technology Network](#), and click the [Download Oracle Database Security Assessment Tool](#) link.
- See *Oracle Database Security Assessment Tool User Guide* for information about completing the installation of Database Security Assessment Tool.

## Known Issues

### MS Excel Font Size Display

Some versions of Microsoft Excel may display text on the screen using a font that is too large to fit in the spreadsheet cells, even though it is sized correctly in printed output. If this happens, you can resize columns to be slightly wider in order to make the text visible.

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### Oracle Database Security Assessment Tool Release Notes, Release 3.1.0

F2Z336-09

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