

# McAfee Database Security 4.8.x Release Notes

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## Rating for update 4.8.1

The rating defines the urgency for installing this update.

### High Priority

Mandatory	Critical	<b>High Priority</b>	Recommended
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- High priority for all environments.
- Failure to apply a High Priority update might result in potential business impact.
- Most updates and hotfixes are considered High Priority.

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## What's new in update 4.8.1

Update releases can update platform support.

### Release details

Release date — February 23, 2021

Environment: McAfee® Database Security (Standalone)

### **New Features**

For the list of scenarios where Operating system users and Application name can be reported in McAfee Database Activity Monitoring (DAM) event alerts for PostgreSQL and MySQL, refer to [McAfee Database Security 4.8.x KB94080](#).

## Updated platform, environment, or operating system support

This update extends support to additional platforms, environments, or operating systems:

- **Server package**  
A new server package is released for McAfee Database Security (Standalone).
- **Sensor package**  
A new sensor package is released for McAfee Database Security (Standalone).
- **Support for additional database versions**

Name	Platform
<b>Sybase</b>	
Sybase 16.0 SP3 PL9	Linux_64, Win_64, AIX_64, HP-UX, Solaris_SPARC_64, and Solaris Intel
Sybase 16.0 SP3 PL8 HF2	Linux_64, Win_64, AIX_64, HP-UX, Solaris_SPARC_64, and Solaris Intel
Sybase 16.0 SP2 PL9 HF2	Linux_64, Win_64, AIX_64, HP-UX, Solaris_SPARC_64, and Solaris Intel
Sybase 15.7 SP141 HF2	Linux_64, Win_64, AIX_64, HP-UX, Solaris_SPARC_64, and Solaris Intel
<b>Oracle</b>	
Oracle 19c	Solaris_SPARC_64 T5
Oracle 19.9 October 2020 Update	Linux_64, Win_64, AIX_64, HP-UX_64, Solaris Intel, and Solaris_SPARC_64
Oracle 18.12 October 2020 Update	Linux_64, Win_64, AIX_64, HP-UX_64, Solaris Intel, and Solaris_SPARC_64
Oracle 12.2.0.1 October 2020 Update	Linux_64, Win_64, AIX_64, HP-UX_64, Solaris Intel, and Solaris_SPARC_64
<b>PostgreSQL</b>	
PostgreSQL 13.1-3	Linux_64
PostgreSQL 13.1-1	Linux_64
PostgreSQL 12.5-1	Linux_64
PostgreSQL 11.10-1	Linux_64
PostgreSQL 10.15-1	Linux_64, Linux_32
PostgreSQL 9.6.20-1	Linux_64, Linux_32
PostgreSQL 9.6.19-1	Linux_64, Linux_32
PostgreSQL 9.5.24-1	Linux_64, Linux_32
<b>SAP HANA</b>	
SAP HANA 2.0 SPS 05	Linux_64
<b>Microsoft SQL Server</b>	
SQL Server MSSQL2019 KB4583459 (15.0.4083.2)	Win_64, Win_64 IPM
SQL Server MSSQL2019 CU8 (15.0.4073.23)	Win_64, Win_64 IPM
SQL Server MSSQL2019 KB4583458 (15.0.2080.9)	Win_64, Win_64 IPM
SQL Server MSSQL2017 KB4583457 (14.0.3370.1)	Win_64, Win_64 IPM
SQL Server MSSQL2017 CU22(14.0.3356.20)	Win_64, Win_64 IPM

Name	Platform
SQL Server MSSQL2017 KB4583456 (14.0.2037.2)	Win_64, Win_64 IPM
SQL Server MSSQL2016 SP2 KB4583461 (13.0.5865.1)	Win_64, Win_64 IPM
SQL Server MSSQL2016 SP2 CU15(13.0.5850)	Win_64, Win_64 IPM
SQL Server MSSQL2016 SP2 KB4583460 (13.0.5103.6)	Win_64, Win_64 IPM
SQL Server MSSQL2014 SP3 KB4583462 (12.0.6433.1)	Win_64, Win_64 IPM
SQL Server MSSQL2014 SP3 KB4583463 (12.0.6164.21)	Win_64, Win_64 IPM
SQL Server MSSQL2012 SP4 KB4583465 (11.0.7507.2)	Win_64, Win_64 IPM
<b>DB2</b>	
DB2 11.5.5.0	Win_64, Linux_64
DB2 11.5.4.0	Win_64
DB2 11.5.0.0	Win_64, AIX_64
<b>MySQL</b>	
MySQL 5.7.32	Linux_64, Linux_32
MySQL 5.6.50	Linux_64, Linux_32
<b>MariaDB</b>	
MariaDB 10.2.36	Linux_64
MariaDB 10.2.35	Linux_64
MariaDB 10.1.48	Linux_64, Linux_32
<b>Percona</b>	
Percona 5.7.31-34	Linux_64

### Database versions with discontinued support after 4.8.1 release

McAfee Database Security activity monitoring and vulnerability checking will no longer be supported on these target database versions.

Name
<b>Microsoft SQL Server</b>
Microsoft SQL Server 2008
<b>PostgreSQL</b>
PostgreSQL 9.3.x
PostgreSQL 9.2.x

## What's new in the 4.8.0 release

Releases can introduce new features and enhancements or update platform support.

### Release details

Release date — December 3, 2020

Environment — McAfee® Database Security Standalone

## New features

This release introduces new features or improves existing features:

- **SHA2 support for sensor-server communication**



To continue support for pre v4.8 sensors which only communicate using a SHA-1 certificate with the server, the server advanced parameter "server.comm.permanent.ssl.alias", if present, must be removed from the file "server-custom.properties" located in the conf folder in the installation directory, (for example: C:\Program Files (x86)\McAfee\McAfee Database Security\conf). The McAfee Database Security server service restart is required.

- **Sensor-server communication improvements** — Changing the default server for a sensor, through the database security standalone server UI is now stored into the sensor configuration file.
- **Replacement of Flash widgets used to display charts in the McAfee Database Security server console** — The existing library is modified to replace Flash widgets. These Flash widgets are being superseded by equivalents compatible with modern web browser technologies.

## Updated platform, environment, or operating system support

### Browsers:

- Firefox v53 or higher
- Chrome v56 or higher
- Internet Explorer 11

With the introduction of Tomcat 9 , support for old operating systems is dropped for the McAfee Database Security server.



McAfee Database Security remains compatible with Microsoft Windows 2012, Microsoft Windows 2012 R2, Microsoft Windows 2016, Microsoft Windows 2019, Red Hat Linux 7 and later, SUSE Linux 11.4, 12.2 and later, CentOS 7 and later, and Oracle Enterprise Linux (OEL) 6 and later.

This release extends support to additional platforms, environments, or operating systems:

### Supported operating system

McAfee Database Security sensor can now monitor Oracle 11 and 12 when installed on OEL 6.


McAfee Database Security server can now be installed on OEL 6, 7, and 8.




We support OEL 7 including Unbreakable Enterprise Kernel (UEK). McAfee Database Security sensor can now monitor these Oracle database versions on OEL 7:

- Oracle 11
- Oracle 12
- Oracle 18
- Oracle 19

### Support for additional database versions

Name	Platform
<b>Microsoft SQL Server</b>	
SQL Server MSSQL2019 CU6 (15.0.4053)	Win_64, Win_64 IPM

Name	Platform
SQL Server MSSQL2019 CU5 (15.0.4043)	Win_64, Win_64 IPM
SQL Server MSSQL2017 CU21 (14.0.3335)	Win_64, Win_64 IPM
SQL Server 2016 SP2 CU14 (13.0.5830)	Win_64, Win_64 IPM
SQL Server 2016 SP2 CU13 (13.0.5820)	Win_64, Win_64 IPM
<b>Sybase</b>	
Sybase 16.0 SP03 PL08 HF1	Linux_64, Win_64, AIX_64, HP-UX, Solaris_SPARC_64, and Solaris Intel
Sybase 16.0 SP02 PL09 HF1	Linux_64, Win_64, AIX_64, HP-UX, Solaris_SPARC_64, and Solaris Intel
Sybase 15.7 SP141 HF1	Linux_64, Win_64, AIX_64, HP-UX, Solaris_SPARC_64, and Solaris Intel
<b>Oracle</b>	
Oracle 19C	Solaris Intel
Oracle 19C (Network monitoring)	Oracle Sun OS 5.11 Solaris_SPARC_64 (S7 and later)
 Memory monitoring will not be supported.	
Oracle 19 AMM	Linux_64, Win_64, AIX_64, HP-UX_64 and Solaris Intel
Oracle 18 AMM	Linux_64, Win_64, AIX_64, HP-UX_64 and Solaris Intel
<b>DB2</b>	
DB2 11.1 Mod 4 FixPack 5 Special Build #: 40159	Win_64, Linux_64, AIX_64, and Solaris_SPARC_64
DB2 11.1 Mod 4 FixPack 4 iFix001	Win_64, Linux_64, AIX_64, and Solaris_SPARC_64
DB2 11.1 Mod 4 FixPack 4	Win_64, Linux_64, AIX_64, and Solaris_SPARC_64
<b>Maria DB</b>	
MariaDB 10.2.34	Linux_64
MariaDB 10.2.33	Linux_64
MariaDB 10.2.32	Linux_64
MariaDB 10.2.31	Linux_64
MariaDB 10.2.30	Linux_64
MariaDB 10.2.29	Linux_64
MariaDB 10.2.27	Linux_64
MariaDB 10.1.47	Linux_64, Linux_32
MariaDB 10.1.46	Linux_64, Linux_32
MariaDB 10.1.45	Linux_64, Linux_32
MariaDB 10.1.44	Linux_64, Linux_32
MariaDB 10.1.43	Linux_64, Linux_32
MariaDB 10.0.38	Linux_64, Linux_32
MariaDB 5.5.68	Linux_64, Linux_32
MariaDB 5.5.67	Linux_64, Linux_32
MariaDB 5.5.66	Linux_64, Linux_32
<b>MySQL</b>	

Name	Platform
MySQL 8.0.22	Linux_64
MySQL 8.0.21	Linux_64
MySQL 8.0.20	Linux_64
MySQL 8.0.19	Linux_64
MySQL 8.0.18	Linux_64
MySQL 8.0.17	Linux_64
MySQL 8.0.16	Linux_64
MySQL 8.0.15	Linux_64
MySQL 8.0.14	Linux_64
MySQL 5.7.31	Linux_64, Linux_32
MySQL 5.7.30	Linux_64, Linux_32
MySQL 5.7.29	Linux_64, Linux_32
MySQL 5.7.28	Linux_64, Linux_32
MySQL 5.6.49	Linux_64, Linux_32
MySQL 5.6.48	Linux_64, Linux_32
MySQL 5.6.47	Linux_64, Linux_32
MySQL 5.6.46	Linux_64, Linux_32
<p> MySQL 8 DVM support is now added.</p> <p> MySQL (all versions) DVM support is limited by the MySQL connector library used as directed in KB90356.</p> <p> If using the latest (recommended) MySQL connector library, MySQL versions 5.6 - 8 for DVM are supported.</p>	
<b>PostgreSQL</b>	
PostgreSQL 12.4-1	Linux_64
PostgreSQL 12.3-1	Linux_64
PostgreSQL 12.2-2	Linux_64
PostgreSQL 12.2-1	Linux_64
PostgreSQL 12.1-1	Linux_64
PostgreSQL 12.0-1	Linux_64
PostgreSQL 11.9-1	Linux_64
PostgreSQL 11.8-1	Linux_64
PostgreSQL 11.7-1	Linux_64
PostgreSQL 11.6-1	Linux_64
PostgreSQL 11.5-1	Linux_64
PostgreSQL 11.4-1	Linux_64
PostgreSQL 11.3-1	Linux_64
PostgreSQL 11.2-2	Linux_64
PostgreSQL 11.2-1	Linux_64
PostgreSQL 10.14-1	Linux_64, Linux_32

<b>Name</b>	<b>Platform</b>
PostgreSQL 10.13-1	Linux_64, Linux_32
PostgreSQL 10.12-1	Linux_64, Linux_32
PostgreSQL 10.11-1	Linux_64, Linux_32
PostgreSQL 9.6.19-1	Linux_64, Linux_32
PostgreSQL 9.6.18-1	Linux_64, Linux_32
PostgreSQL 9.6.17-1	Linux_64, Linux_32
PostgreSQL 9.6.16-1	Linux_64, Linux_32
PostgreSQL 9.6.15-1	Linux_64, Linux_32
PostgreSQL 9.6.14-1	Linux_64, Linux_32
PostgreSQL 9.6.13-1	Linux_64, Linux_32
PostgreSQL 9.6.12-1	Linux_64, Linux_32
PostgreSQL 9.6.11-1	Linux_64, Linux_32
PostgreSQL 9.5.23-1	Linux_64, Linux_32
PostgreSQL 9.5.22-1	Linux_64, Linux_32
PostgreSQL 9.5.21-1	Linux_64, Linux_32
PostgreSQL 9.5.20-1	Linux_64, Linux_32
PostgreSQL 9.5.19-1	Linux_64, Linux_32
PostgreSQL 9.5.18-1	Linux_64, Linux_32
PostgreSQL 9.5.17-1	Linux_64, Linux_32
PostgreSQL 9.5.16-1	Linux_64, Linux_32
PostgreSQL 9.5.15-1	Linux_64, Linux_32
PostgreSQL 9.4.26-1	Linux_64, Linux_32
PostgreSQL 9.4.25-1	Linux_64, Linux_32
PostgreSQL 9.4.24-1	Linux_64, Linux_32
PostgreSQL 9.4.23-1	Linux_64, Linux_32
PostgreSQL 9.4.22-1	Linux_64, Linux_32
PostgreSQL 9.4.21-1	Linux_64, Linux_32
PostgreSQL 9.4.20-1	Linux_64, Linux_32
<b>Percona</b>	
Percona 5.7.30-33	Linux_64
Percona 5.7.29-32	Linux_64
Percona 5.7.28-31	Linux_64
Percona 5.7.27-30	Linux_64

**Database versions with discontinued support after 4.8 release**

<b>Name</b>
<b>Microsoft SQL Server</b>
Microsoft SQL Server 2005
<b>Oracle</b>



<b>Name</b>
Oracle 11.1.x
Oracle 10.x
Oracle 9.x
Oracle 8.x
<b>MySQL</b>
MySQL 5.5.x
MySQL 5.1.x
<b>Sybase</b>
Sybase ASE 15.5.x
Sybase ASE 15.0.x
Sybase ASE 12.5.x
<b>DB2</b>
DB2 9.x
DB2 8.x

## Resolved issues in update 4.8.1

This update resolves known issues.

For a list of current known issues, see [McAfee Database Security 4.8.x Known Issue \(KB87367\)](#).

**Table 3-1**


Reference	Resolution
<b>Server</b>	
DBSEC-10639	Dynamic system report for the rule <code>Alerts per Rules</code> is generated without any runtime errors.
DBSEC-4170	Migration of the McAfee Database Security Server SQL back-end database with Windows user credentials will now execute successfully. For details see <a href="#">McAfee Database Security 4.8.x Known Issue (KB79879)</a> .
DBSEC-4308	This release resolved the column formatting issue in the VA Result Microsoft Excel report. The columns appear consistently now.
DBSEC-9793	A progressive increment of values distinctly appears on the Y-axis on the chart present in the <b>Dashboard</b> page.
DBSEC-9792	The release removes the ambiguous X-axis numeric value from the hover pop-up on the <b>Alerts Summary</b> table.
DBSEC-10797	This release resolves the looping issue occurring in the Server Messages screen. The screen content does not refresh too quickly now.
<b>Sensor</b>	
DBSEC-9259	Sensor successfully parses the new format of the alert statement from SAP HANA 2.0 SPS04 DBMS.
DBSEC-10404	The issue related to McAfee DAM sensor displaying <b>Busy status with Error 24</b> is now resolved.
DBSEC-10662	This release resolves the possible issue where the McAfee DAM sensor incorrectly detects the shared memory segment for Oracle on the Solaris Sparc and DBMS instance remains disconnected. Now, sensor can correctly monitor the Oracle DBMS instance.

## Resolved issues in 4.8.0 release

This release resolves known issues.

For a list of current known issues, see [McAfee Database Security 4.8.x Known Issue \(KB87367\)](#).

**Table 3-2**

Reference	Resolution
<b>Server</b>	
DBSEC-7628	This release resolves a vulnerability scan-related issue on Oracle weak passwords.
DBSEC-6911	This release introduces prioritization of the sensor connect messages arriving to the server through thread priority.
DBSEC-6910	This release resolves the issue where server potentially stops a sensor from connecting when server cached data becomes invalid for the connection session. Now, sensor can be connected successfully.
DBSEC-7147	This release removes unnecessary caching of the system messages.
DBSEC-6861	An error no longer appears when VA connectivity test is performed on Oracle 19c database.
DBSEC-7397	In the MSSQL backend database, additional indexes are added to the <b>System</b> message table, hence improving the overall performance
	 For Oracle back-end database, if custom indexes are created on <b>System</b> message table (outside of Database Security application) then such custom indexes must be dropped manually ahead of the update.
DBSEC-6577	The unexpected error on the Insight connection Test in the McAfee Database Security server is now resolved.
DBSEC-6338	When run on the MySQL DBMS, <code>create_scanuser.sql</code> script no longer reports a syntax error.
DBSEC-8663	Log files post DBMS migration are now correctly assigned to the respective dbssrvr user. Thus, server starts successfully.
DBSEC-8012	The possible database crash issue caused due to Maria DB plugin is now fixed.
DBSEC-5755	This release fixes the issue in the MySQL jdbc installation help link. Now, it is redirected to the correct landing page.
<b>Sensor</b>	
DBSEC-8860	When installing McAfee DAM sensor on Solaris Sparc and Oracle 19c databases, sensor could not connect to DBMS. This issue is now resolved.
DBSEC-3757	This release resolves the possible issue with alert content being reported without the <b>osUser</b> attribute.
DBSEC-7646	McAfee® Database Activity Monitoring (McAfee DAM) sensor incorrectly detects the shared memory segment on the environment with multiple Oracle DBMS instances and continuously tries to monitor the DBMS instance which is stopped. Now, sensor can correctly detect the Oracle DBMS instances and report on their correct Monitoring Status.
DBSEC-7490	This release resolves the possible frequent McAfee DAM sensor crash on the Solaris platform when Real IP feature is enabled.
DBSEC-7491	This release resolves the possible frequent McAfee DAM sensor restart on the Linux platform when Real IP feature is enabled.
DBSEC-3758	This release resolves the possible issue with alert content being reported without the <b>Owner</b> attribute under certain scenarios.
DBSEC-9565	This release resolves the issue of displaying the alternative DBMS connection password in plain text. The password gets successfully obfuscated now.
DBSEC-6069	The McAfee Database Security sensor no longer fails to monitor the databases due to multiple restarts.

**Table 3-2** *(continued)*

<b>Reference</b>	<b>Resolution</b>
DBSEC-9199	The McAfee Database Security sensor now successfully connects to the DBMS, Oracle Database 11.2.0.4 on 32 bit Linux.
DBSEC- 4520	The McAfee Database Security sensor now correctly detects the Oracle DBMS instances and reports their correct Monitoring status. This also resolves the possible Deadlock events occurring in the McAfee Database Security server backend database.
DBSEC-9888	This release resolves a possible issue of sensor update failing.