

Veritas InfoScale™ Support Matrix for Oracle®

Last updated: 2020-01-07

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https://sort.veritas.com/data/support/SORT_Data_Sheet.pdf

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Oracle RAC support matrix

This chapter includes the following topics:

- [About the Oracle RAC support matrix](#)
- [Oracle Clusterware and Oracle database interoperability matrix](#)
- [AIX support matrix for Veritas InfoScale Enterprise \(Storage Foundation for Oracle RAC\)](#)
- [Linux support matrix for Veritas InfoScale Enterprise \(Storage Foundation for Oracle RAC\)](#)
- [Solaris SPARC support matrix for Veritas InfoScale Enterprise \(Storage Foundation for Oracle RAC\)](#)

About the Oracle RAC support matrix

Review the following notes before you proceed:

- The Oracle RAC versions listed in the tables represent the database versions. Hyphens in the tables designate a range of Oracle patch sets.
- All configurations listed in the tables below are certified and supported by Oracle and Veritas. Configurations that are not shown in the tables are not supported.
- If you need assistance, consult your Veritas sales team for details.

The following matrices list support for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC) for:

- AIX
See [“AIX support matrix for Veritas InfoScale Enterprise \(Storage Foundation for Oracle RAC\)”](#) on page 6.
- Linux

See [“Linux support matrix for Veritas InfoScale Enterprise \(Storage Foundation for Oracle RAC\)”](#) on page 8.

- Solaris SPARC
 See [“Solaris SPARC support matrix for Veritas InfoScale Enterprise \(Storage Foundation for Oracle RAC\)”](#) on page 10.

Oracle Clusterware and Oracle database interoperability matrix

[Table 1-1](#) lists interoperability information for Oracle Clusterware and Oracle database.

Table 1-1 Oracle Clusterware and Oracle database interoperability matrix

Oracle RAC	11gR2 Database	12cR1 Database	12cR2 Database
11gR2 Clusterware	Yes	No	No
12cR1 Grid	Yes	Yes	No
12cR2 Grid	Yes	Yes	Yes

AIX support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)

[Table 1-2](#) describes the AIX support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC).

Table 1-2 AIX support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)

Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)	AIX	11gR2	12cR1	12cR2	18c
7.3.1	7.2	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	12.2.0.1 \$, †, ††	18.0.0.0 \$, †, ††
7.3.1	7.1	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	12.2.0.1 \$, †, ††	Not Supported

Table 1-2 AIX support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC) (*continued*)

Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)	AIX	11gR2	12cR1	12cR2	18c
7.3	7.2	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	12.2.0.1 \$, †, ††	18.0.0.0 \$, †, ††
7.3	7.1	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	12.2.0.1 \$, †, ††	Not Supported
7.1	7.2	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	Not Supported	Not Supported
7.1	7.1	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	Not Supported	Not Supported
7.1	6.1	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	Not Supported	Not Supported
7.0	7.1	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	Not Supported	Not Supported
7.0	6.1	11.2.0.4 \$, \$\$	12.1.0.2 \$, †, ††	Not Supported	Not Supported

† If a private network interface (on which the private IP address for Oracle Grid Infrastructure is configured) is brought down on a running 11.2.0.2 and later versions cluster node, the HAIP resource fails to fail over the private IP address. This causes the Oracle instance to fail on the node from which the private interface is brought down. This is because AIX does not notify the status change in the network interface. Oracle and IBM are working together to resolve this issue (Oracle bug ID: 10373244).

Workaround: Append the following lines at the end of the file `/etc/rc.net`:

```
# /usr/sbin/ifconfig interface_name monitor >>$LOGFILE 2>&1
```

where `interface_name` is the name of the network interface, one interface per line.

†† Requires linking with Veritas Extension for Oracle Disk Manager (ODM) with Oracle database 12.1.0.2 and above. For details, see the following TechNote: https://www.veritas.com/support/en_US/article.TECH225500

\$ See the following Technote: https://www.veritas.com/support/en_US/article.TECH145261

\$\$ Requires Oracle patch, Patch 17501491: ODM API version is not correct for ODM_MKDIR call in 11.2.0.4.0.

Linux support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)

Table 1-3 describes the Linux support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC).

Table 1-3 Linux support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)

Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)	RHEL/OL/SLES	11gR2	12cR1	12cR2	18c
7.3.1	RHEL 7 OL 7	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	18.0.0.0 \$ and **
7.3.1	RHEL 6	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	Not supported
7.3.1	OL 6	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	18.0.0.0 \$ and **
7.3.1	SLES12	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	18.0.0.0 \$ and **
7.3.1	SLES11	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.3	RHEL 7 OL 7	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	18.0.0.0 \$ and **
7.3	RHEL 6	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	Not supported
7.3	OL 6	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	18.0.0.0 \$ and **
7.3	SLES12	11.2.0.4 \$ and *	12.1.0.2 \$ and **	12.2.0.1 \$ and **	18.0.0.0 \$ and **
7.3	SLES11	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.1	SLES12	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.1	SLES11	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.1	RHEL 7 OL 7	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported

Table 1-3 Linux support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC) (*continued*)

Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)	RHEL/OL/SLES	11gR2	12cR1	12cR2	18c
7.1	RHEL 6 OL 6	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0.1	RHEL 7 OL 7	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0.1	RHEL 6 OL 6	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0.1	SLES12	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0.1	SLES11	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0	RHEL 7 OL 7	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0	RHEL 6 OL 6	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0	SLES12	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported
7.0	SLES11	11.2.0.4 \$ and *	12.1.0.2 \$ and **	Not Supported	Not supported

* Requires Oracle patch, Patch 17501491: ODM API version is not correct for ODM_MKDIR CALL in 11.2.0.4.0.

** Requires linking with Veritas Extension for Oracle Disk Manager (ODM) with Oracle database 12.1.0.2 and above. For details, see the following TechNote: https://www.veritas.com/support/en_US/article.TECH225500

\$ See the following Technote: https://www.veritas.com/support/en_US/article.TECH145261

Solaris SPARC support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)

Table 1-4 describes the Solaris support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC).

Table 1-4 Solaris SPARC support matrix for Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)

Veritas InfoScale Enterprise (Storage Foundation for Oracle RAC)	Solaris SPARC	11gR2	12cR1	12cR2	18c
7.3.1	11	11.2.0.4 \$, \$\$	12.1.0.2 \$ and #	12.2.0.1 \$ and #	18.0.0.0 \$ and #
7.3	11	11.2.0.4 \$, \$\$	12.1.0.2 \$ and #	12.2.0.1 \$ and #	18.0.0.0 \$ and #
7.1	11	11.2.0.4 \$, \$\$	12.1.0.2 \$ and #	Not supported	Not supported
7.1	10	11.2.0.4 \$, \$\$	12.1.0.2 \$ and #	Not supported	Not supported
7.0	11	11.2.0.4 \$, \$\$	12.1.0.2 \$ and #	Not supported	Not supported
7.0	10	11.2.0.4 \$, \$\$	Not supported	Not supported	Not supported

\$ See the following Technote:

https://www.veritas.com/support/en_US/article.TECH145261

\$\$ Requires Oracle patch, Patch 17501491: ODM API version is not correct for ODM_MKDIR call in 11.2.0.4.0.

Additionally, to resolve OUI issues during the Oracle Grid Infrastructure 11.2.0.4 installation with SF Oracle RAC, see the technote:

https://www.veritas.com/support/en_US/article.TECH213369

Requires linking with Veritas Extension for Oracle Disk Manager (ODM) with Oracle database 12.1.0.2 and later versions. For details, see the following TechNote:

https://www.veritas.com/support/en_US/article.TECH225500

Oracle single instance support matrix

This chapter includes the following topics:

- [About Oracle single instance support matrix](#)
- [AIX - Oracle single instance support matrix for Veritas InfoScale](#)
- [Linux - Oracle single instance support matrix for Veritas InfoScale](#)
- [Solaris SPARC - Oracle single instance support matrix for Veritas InfoScale](#)

About Oracle single instance support matrix

This section lists the Oracle single instance versions supported with Veritas InfoScale and Storage Foundation for Databases (SFDB) tools. The following matrices also apply to Oracle single instance with Storage Foundation Cluster File System HA.

AIX - Oracle single instance support matrix for Veritas InfoScale

[Table 2-1](#) lists the Oracle single instance version and AIX combinations supported with Veritas InfoScale and SFDB tools. Unless otherwise specified, you can use the SFDB tools with the following Oracle versions. You can also run Oracle with ODM, VxFS and VxVM without invoking the SFDB tools.

Table 2-1 Oracle single instance support on AIX

Product Name	Operating System	Database Version		
		11gR2 11.2 (64-bit)	12c (64-bit)	18c (64-bit)
7.4.1	7.2	Supported [8] [13]	Supported [10] [12]	Supported
7.4.1	7.1	Supported [7][8]	Supported[9][10][12]	Supported
7.4	7.2	Supported [8] [13]	Supported [10] [12]	Not Supported
7.4	7.1	Supported [7] [8]	Supported [9] [10] [12]	Not Supported
7.3.1	7.2	Supported [8] [13]	Supported [10] [12]	Supported [14]
7.3.1	7.1	Supported [7] [8]	Supported [9] [10] [12]	Supported [14]
7.3	7.2	Supported [8] [13]	Supported [10] [12]	Not Supported
7.3	7.1	Supported [7] [8]	Supported [9] [10] [12]	Not Supported
7.2	7.2	Supported [8] [13]	Supported [10]	Not Supported
7.2	7.1	Supported [7] [8]	Supported [9] [10]	Not Supported
7.1	7.2	Supported [8] [13]	Supported [10]	Not Supported
7.1	7.1	Supported [7] [8]	Supported [9] [10]	Not Supported
7.1	6.1	Supported [7] [8]	Supported [9] [10]	Not Supported
7.0	7.1	Supported [7] [8]	Supported [9] [10] [11]	Not Supported
7.0	6.1	Supported [7] [8]	Supported [9] [10] [11]	Not Supported

[2] Oracle 11g R2 11.2.0.3, 11.2.0.2 and 11.2.0.1 are supported.

[3] SFDB tools are only supported with Oracle 10g R2 10.2.0.5.

[4] SFDB tools are only supported with Oracle 11g R2 11.2.0.1.

[5] SFDB tools are only supported with Oracle 11g R2 11.2.0.2 and 11.2.0.1.

[6] Oracle 11g R2 11.2.0.2 and 11.2.0.1 are supported.

[7] Oracle 11g R2 11.2.0.4, 11.2.0.3, 11.2.0.2 and 11.2.0.1 are supported.

[8] Requires Oracle patch "Patch 17501491: ODM API version is not correct for ODM_MKDIR call in 11.2.0.4.0", when SF ODM is used with oracle version 11.2.0.4.

[9] Oracle 12c version 12.1.0.1 is supported.

[10] Oracle 12c version 12.1.0.2 is supported.

[11] Requires linking with Veritas Extension for Oracle Disk Manager (ODM) with Oracle database 12.1.0.2. For details, see the following TechNote:

https://www.veritas.com/support/en_US/article.TECH225500

[12] Oracle 12c version 12.2.0.1 is supported.

[13] Oracle 11gR2 version 11.2.04 is supported.

[14] Requires patch for VCSEA. For details, see Tech Alert:

<https://sort.veritas.com/patch/detail/14557>

Linux - Oracle single instance support matrix for Veritas InfoScale

Table 2-2 lists the Oracle single instance version and Linux combinations supported with Veritas InfoScale and SFDB tools. Unless otherwise specified, you can use the SFDB tools with the following Oracle versions. You can also run Oracle with ODM, VxFS and VxVM without invoking the SFDB tools.

Table 2-2 Oracle single instance support on Linux

Product name	Operating system	Database version (64-bit only)			
		11g R2 (11.2)	12c	18c	19c
InfoScale version	Linux (AMD Opteron 64-bit / Intel Xeon EM64T)				
7.4.1	RHEL 7 OEL 7	✓ [1] [3] [7]	✓ [5] [8]	✓	✓ [6] [10] [11] [12]
7.4.1	RHEL 6 OEL 6	✓ [1] [2] [3]	✓ [4] [5] [8]	✓	x
7.4.1	SLES 15	x	✓ [8]	x	✓ [6] [10] [11] [12]
7.4.1	SLES 12	✓ [1] [3] [7]	✓ [5] [8]	✓	✓ [6] [10] [11] [12]
7.4.1	SLES 11	✓ [1] [2] [3]	✓ [4] [5]	x	x
7.4	RHEL 7 OEL 7	✓ [1] [3] [7]	✓ [5] [8]	x	x

Table 2-2 Oracle single instance support on Linux (*continued*)

Product name	Operating system	Database version (64-bit only)			
InfoScale version	Linux (AMD Opteron 64-bit / Intel Xeon EM64T)	11g R2 (11.2)	12c	18c	19c
7.4	RHEL 6 OEL 6	✓ [1] [2] [3]	✓ [4] [5] [8]	x	x
7.4	SLES 12	✓ [1] [3] [7]	✓ [5] [8]	x	x
7.4	SLES 11	✓ [1] [2] [3]	✓ [4] [5]	x	x
7.3.1	RHEL 7 OEL 7	✓ [1] [3] [7]	✓ [5] [8]	✓ [9]	✓ [6] [10] [13] [14]
7.3.1	RHEL 6 OEL 6	✓ [1] [2] [3]	✓ [4] [5] [8]	✓ [9]	x
7.3.1	SLES 12	✓ [1] [3] [7]	✓ [5] [8]	✓ [9]	✓ [6] [10] [13] [14]
7.3.1	SLES 11	✓ [1] [2] [3]	✓ [4]	x	x
7.3	RHEL 7 OEL 7	✓ [1] [3] [7]	✓ [5] [8]	x	x
7.3	RHEL 6 OEL 6	✓ [1] [2] [3]	✓ [4] [5] [8]	x	x
7.3	SLES 12	✓ [1] [3] [7]	✓ [5] [8]	x	x
7.3	SLES 11	✓ [1] [2] [3]	✓ [4] [5]	x	x
7.2	RHEL 7 OEL 7	✓ [1] [3] [7]	✓ [5]	x	x
7.2	RHEL 6 OEL 6	✓ [1] [2] [3]	✓ [4] [5]	x	x
7.2	SLES 12	✓ [3] [7]	✓ [5]	x	x
7.2	SLES 11	✓ [1] [2] [3]	✓ [4] [5]	x	x

Table 2-2 Oracle single instance support on Linux (*continued*)

Product name	Operating system	Database version (64-bit only)			
		11g R2 (11.2)	12c	18c	19c
InfoScale version	Linux (AMD Opteron 64-bit / Intel Xeon EM64T)				
7.1	RHEL 7 OEL 7	✓ [1] [3] [7]	✓ [5]	x	x
7.1	RHEL 6 OEL 6	✓ [1] [2] [3]	✓ [4] [5]	x	x
7.1	SLES 12	✓ [1] [3] [7]	✓ [5]	x	x
7.1	SLES 11	✓ [1] [2] [3]	✓ [4] [5]	x	x
7.0	RHEL 7 OEL 7	✓ [1] [3] [7]	✓ [5]	x	x
7.0	RHEL 6 OEL 6	✓ [1] [2] [3]	✓ [4] [5] [6]	x	x
7.0	SLES 11	✓ [1] [2] [3]	✓ [4] [5] [6]	x	x

1. This configuration supports Veritas InfoScale wizard configuration for Oracle.
2. Oracle 11g R2 versions 11.2.0.3 and 11.2.0.4 are supported.
3. Requires Oracle patch titled "Patch 17501491: ODM API version is not correct for ODM_MKDIR call in 11.2.0.4" when SF ODM is used with Oracle 11.2.0.4.
4. Oracle 12c version 12.1.0.1 is supported.
5. Oracle 12c version 12.1.0.2 is supported.
6. Requires linking with Veritas Extension for Oracle Disk Manager (ODM) with Oracle Database 12.1.0.2 or later. For details, refer to the Tech Note at:
https://www.veritas.com/support/en_US/article.TECH225500
7. Oracle 11g R2 version 11.2.0.4 is supported.
8. Oracle 12c version 12.2.0.1 is supported.
9. Requires the appropriate patch for VCSEA among:
RHEL 7: <https://sort.veritas.com/patch/detail/14552>

- RHEL 6: <https://sort.veritas.com/patch/detail/14553>
- SLES 11: <https://sort.veritas.com/patch/detail/14555>
- 10. Requires Oracle patch 30404521 when SF ODM is used with Oracle 19c.
- 11. Requires the appropriate patch for VCSEA among:
 - RHEL 7: <https://sort.veritas.com/patch/detail/15502>
 - SLES 15: <https://sort.veritas.com/patch/detail/15504>
 - SLES 12: <https://sort.veritas.com/patch/detail/15503>
- 12. Requires the appropriate `VRTSdbed` patches for SFAE among:
 - RHEL 7: <https://sort.veritas.com/patch/detail/15510>
 - SLES 15: <https://sort.veritas.com/patch/detail/15513>
 - SLES 12: <https://sort.veritas.com/patch/detail/15512>
- 13. Requires the appropriate patch for VCSEA among:
 - RHEL 7: <https://sort.veritas.com/patch/detail/15486>
 - SLES 12: <https://sort.veritas.com/patch/detail/15488>
- 14. Requires the appropriate `VRTSdbed` patches for SFAE among:
 - RHEL 7: <https://sort.veritas.com/patch/detail/15547>
 - SLES 12: <https://sort.veritas.com/patch/detail/15500>

Solaris SPARC - Oracle single instance support matrix for Veritas InfoScale

[Table 2-3](#) lists the Oracle single instance version and Solaris SPARC combinations supported with Veritas InfoScale and SFDB tools. Unless otherwise specified, you can use the SFDB tools with the following Oracle versions. You can also run Oracle with ODM, VxFS and VxVM without invoking the SFDB tools.

Table 2-3 Oracle single instance support on Solaris SPARC

Product Name	Operating System	Database Version		
		11gR2 11.2 (64-bit)	12c (64-bit)	18c (64-bit)
Veritas InfoScale	Solaris SPARC			
7.4.1	11(64-bit)	Supported [11] [14]	Supported [15] [16] [18]	Supported

Table 2-3 Oracle single instance support on Solaris SPARC (*continued*)

Product Name	Operating System	Database Version		
		11gR2 11.2 (64-bit)	12c (64-bit)	18c (64-bit)
7.4	11(64-bit)	Supported [11] [14]	Supported [15] [16] [18]	Not Supported
7.3.1	11 (64-bit)	Supported [11] [14]	Supported [15] [16] [18]	Supported [19]
7.3	11 (64-bit)	Supported [11] [14]	Supported [15] [16] [18]	Not Supported
7.2	11 (64-bit)	Supported [11] [14]	Supported [15] [16]	Not Supported
7.1	11 (64-bit)	Supported [11] [14]	Supported [15] [16] [17]	Not Supported
7.1	10 (64-bit)	Supported [13] [14]	Supported [15] [16] [17]	Not Supported
7.0	11 (64-bit)	Supported [11] [14]	Supported [15] [16] [17]	Not Supported
7.0	10 (64-bit)	Supported [13] [14]	Supported [15] [16] [17]	Not Supported

[1] ODM is not supported on Oracle 9i.

[3] SFDB tools are not supported; you can run Oracle with VxFS and VxVM. ODM is not supported on Oracle 9i.

[4] This configuration is only supported on Solaris 10 (64-bit).

[5] Oracle 11g R2 11.2.0.3, 11.2.0.2 and 11.2.0.1 are supported.

[6] SFDB tools are only supported with Oracle 10g R2 10.2.0.5.

[7] SFDB tools are only supported with Oracle 11g R2 11.2.0.1.

[8] SFDB tools are only supported with Oracle 11g R2 11.2.0.2 and 11.2.0.1.

[9] Oracle 11g R2 11.2.0.2 and 11.2.0.1 are supported.

[10] Patches are required for ODM, and SFDB tools. For details, please refer to the following tech note: https://www.veritas.com/support/en_US/article.TECH210620

[11] Oracle 11.2.0.3 and 11.2.0.4 are supported.

[12] SFDB tools are not supported.

[13] Oracle 11g R2 11.2.0.4, 11.2.0.3, 11.2.0.2 and 11.2.0.1 are supported.

[14] Requires Oracle patch "Patch 17501491: ODM API version is not correct for ODM_MKDIR call in 11.2.0.4.0", when SF ODM is used with oracle version 11.2.0.4.

[15] Oracle 12c version 12.1.0.1 is supported.

[16] Oracle 12c version 12.1.0.2 is supported.

[17] Requires linking with Veritas Extension for Oracle Disk Manager (ODM) with Oracle database 12.1.0.2. For details, see the following

TechNote:https://www.veritas.com/support/en_US/article.TECH225500

[18] Oracle 12c version 12.2.0.1 is supported.

[19] Requires patch for VCSEA. For details, see Tech Alert:

<https://sort.veritas.com/patch/detail/14556>