

Oracle® Auto Service Request

Qualified Server Products

Release 5.5

E37285-19

December 2015

Oracle Auto Service Request Qualified Server Products, Release 5.5

E37285-19

Copyright © 2015, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface	vii
Audience	vii
Documentation Accessibility	vii
Related Documents	vii
Conventions	vii
1 Qualified SPARC Servers	
1.1 Telemetry Sources	1-1
1.2 SPARC Enterprise M3000	1-2
1.3 SPARC Enterprise M4000	1-2
1.4 SPARC Enterprise M5000	1-2
1.5 SPARC Enterprise M8000	1-2
1.6 SPARC Enterprise M9000	1-2
1.7 SPARC Enterprise M5-32	1-3
1.8 SPARC Enterprise M6-32	1-3
1.9 SPARC Enterprise M7-8	1-3
1.10 SPARC Enterprise M7-16	1-3
1.11 SPARC Enterprise T5120	1-4
1.12 SPARC Enterprise T5140	1-4
1.13 SPARC Enterprise T5220	1-4
1.14 SPARC Enterprise T5240	1-4
1.15 SPARC Enterprise T5440	1-5
1.16 SPARC T3-1	1-5
1.17 SPARC T3-2	1-5
1.18 SPARC T3-4	1-5
1.19 SPARC T4-1	1-5
1.20 SPARC T4-2	1-5
1.21 SPARC T4-4	1-6
1.22 SPARC T5-2	1-6
1.23 SPARC T5-4	1-6
1.24 SPARC T5-8	1-6
1.25 SPARC T7-1	1-7
1.26 SPARC T7-2	1-7
1.27 Netra SPARC T4-1	1-7
1.28 Netra SPARC T5-1B	1-7

1.29	Fujitsu M10-1	1-7
1.30	Fujitsu M10-4	1-7
1.31	Fujitsu M10-4S	1-8
1.32	Notes	1-8

2 Qualified Sun Blade Servers

2.1	Telemetry Sources.....	2-1
2.2	Sun Blade 6000 Modular System	2-1
2.3	Sun Blade X3-2B	2-1
2.4	Sun Blade X4-2B	2-2
2.5	Sun Blade X6220	2-2
2.6	Sun Blade X6240	2-2
2.7	Sun Blade X6250	2-2
2.8	Sun Blade X6270	2-2
2.9	Sun Blade X6270 M2	2-3
2.10	Sun Blade X6275	2-3
2.11	Sun Blade X6275 M2	2-3
2.12	Sun Blade X6440	2-3
2.13	Sun Blade X6450	2-3
2.14	Sun Blade T6300	2-4
2.15	Sun Blade T6320	2-4
2.16	Sun Blade T6340	2-4
2.17	SPARC T3-1B	2-4
2.18	SPARC T4-1B	2-4
2.19	SPARC T5-1B	2-4
2.20	Notes	2-5

3 Qualified x64 Servers

3.1	Telemetry Sources.....	3-1
3.2	Sun Server X2-2	3-2
3.3	Sun Server X2-2L.....	3-2
3.4	Sun Server X2-4	3-2
3.5	Sun Server X2-8	3-2
3.6	Sun Server X3-2	3-3
3.7	Netra Server X3-2	3-3
3.8	Sun Server X3-2L.....	3-3
3.9	Sun Server X4-2	3-4
3.10	Sun Server X4-2L.....	3-4
3.11	Sun Server X4-4	3-4
3.12	Sun Server X4-8	3-4
3.13	Sun Server X5-2	3-5
3.14	Netra Server X5-2	3-5
3.15	Sun Server X5-2L.....	3-5
3.16	Sun Server X5-4	3-5
3.17	Sun Server X5-8	3-6
3.18	Sun Fire X2250	3-6
3.19	Sun Fire X2270	3-6

3.20	Sun Fire X2270 M2	3-6
3.21	Sun Fire X4100	3-6
3.22	Sun Fire X4100 M2	3-7
3.23	Sun Fire X4140	3-7
3.24	Sun Fire X4150	3-7
3.25	Sun Fire X4170	3-7
3.26	Sun Fire X4200	3-8
3.27	Sun Fire X4200 M2	3-8
3.28	Sun Fire X4240	3-8
3.29	Sun Fire X4250	3-9
3.30	Sun Fire X4270	3-9
3.31	Sun Fire X4275	3-9
3.32	Sun Fire X4370 M2	3-9
3.33	Sun Fire X4440	3-10
3.34	Sun Fire X4450	3-10
3.35	Sun Fire X4470	3-10
3.36	Sun Fire X4500	3-10
3.37	Sun Fire X4540	3-11
3.38	Sun Fire X4600	3-11
3.39	Sun Fire X4600 M2	3-11
3.40	Sun Fire X4640	3-11
3.41	Sun Fire X4800	3-12
3.42	Notes	3-12

Index

Preface

This document describes the server products qualified for Oracle Auto Service Request (ASR). Servers include entry-level, midrange, high-end, CoolThreads, Sun Blade, and x64 products. For more information about the Oracle ASR service:

<http://oracle.com/asr>

Audience

This document is intended for users of Oracle ASR who need to evaluate their Oracle Sun server products to be qualified as ASR Assets.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Documents

For more information, see the following documents in the Oracle Auto Service Request documentation set:

- *Oracle Auto Service Request Installation and Operations Guide*
- *Oracle Auto Service Request Quick Installation Guide*
- *Oracle Auto Service Request Exadata Quick Installation Guide*
- *Oracle Auto Service Request Fault Coverage*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Qualified SPARC Servers

This chapter describes the SPARC servers qualified for Oracle Auto Service Request.

The following SPARC M-Series servers are qualified:

-
- [SPARC Enterprise M3000](#)
 - [SPARC Enterprise M4000](#)
 - [SPARC Enterprise M5000](#)
 - [SPARC Enterprise M8000](#)
 - [SPARC Enterprise M9000](#)
 - [SPARC Enterprise M5-32](#)
 - [SPARC Enterprise M6-32](#)
 - [SPARC Enterprise M7-8](#)
 - [SPARC Enterprise M7-16](#)
-

The following SPARC T-Series servers are qualified:

-
- [SPARC Enterprise T5120](#)
 - [SPARC Enterprise T5140](#)
 - [SPARC Enterprise T5220](#)
 - [SPARC Enterprise T5240](#)
 - [SPARC Enterprise T5440](#)
 - [SPARC T3-1](#)
 - [SPARC T3-2](#)
 - [SPARC T3-4](#)
 - [SPARC T4-1](#)
 - [SPARC T4-2](#)
 - [SPARC T4-4](#)
 - [SPARC T5-2](#)
 - [SPARC T5-4](#)
 - [SPARC T5-8](#)
 - [SPARC T7-1](#)
 - [SPARC T7-2](#)
-

The following Netra SPARC servers are qualified:

-
- [Netra SPARC T4-1](#)
 - [Netra SPARC T5-1B](#)
-

The following Fujitsu M10 Series servers are qualified:

-
- [Fujitsu M10-1](#)
 - [Fujitsu M10-4S](#)
 - [Fujitsu M10-4](#)
-

1.1 Telemetry Sources

Oracle ASR uses the following telemetry sources to detect fault event on Oracle Sun server hardware:

- **Solaris Fault Management Architecture (FMA)** provides CPU and memory fault information from the host.

- **Integrated Lights Out Manager (ILOM)** is embedded into some platforms and comes with dedicated network and serial ports to provide remote management, configuration, and telemetry reporting. ILOM reports power and environmental problems as well as CPU and memory faults on certain servers.
- The **Oracle Hardware Management Pack (OHMP)** allows ILOM events to be captured by the Host and forwarded through the Host network connection. OHMP is a telemetry source for T5xxx and some x64 servers.
- Oracle ASR uses the **Extended System Control Facility (XSCF)** as the telemetry source for the Mx0000 servers and ILOM as the telemetry source fo the M5-32 server.).

1.2 SPARC Enterprise M3000

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Notes 1 and 2) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

1.3 SPARC Enterprise M4000

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Notes 1 and 2) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

1.4 SPARC Enterprise M5000

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Notes 1 and 2) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

1.5 SPARC Enterprise M8000

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Notes 1 and 2) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

1.6 SPARC Enterprise M9000

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Notes 1 and 2) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

1.7 SPARC Enterprise M5-32

Telemetry Source on SERVICE PROCESSOR:

- ILOM

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

ILOM ASR Client is available with ILOM 3.2.5 or later.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager Cloud Control.

1.8 SPARC Enterprise M6-32

Telemetry Source on SERVICE PROCESSOR:

- ILOM

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

ILOM ASR Client is available with ILOM 3.2.5 or later.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager Cloud Control.

1.9 SPARC Enterprise M7-8

Telemetry Source on SERVICE PROCESSOR:

- ILOM ASR Client or ILOM SNMP

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 5.0.3 or later**

ILOM ASR Client is not supported on Ops Center or Enterprise Manager Cloud Control.

1.10 SPARC Enterprise M7-16

Telemetry Source on SERVICE PROCESSOR:

- ILOM ASR Client or ILOM SNMP

Telemetry Source on: HOST: N/A

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM ASR Client is not supported on Ops Center or Enterprise Manager Cloud Control.

1.11 SPARC Enterprise T5120

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 4) | Fault Coverage
- OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

1.12 SPARC Enterprise T5140

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 4) | Fault Coverage
- OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

1.13 SPARC Enterprise T5220

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 4) | Fault Coverage
- OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

1.14 SPARC Enterprise T5240

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 4) | Fault Coverage
- OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

1.15 SPARC Enterprise T5440

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 4) | Fault Coverage
- OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

1.16 SPARC T3-1

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

1.17 SPARC T3-2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

1.18 SPARC T3-4

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

1.19 SPARC T4-1

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

1.20 SPARC T4-2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

1.21 SPARC T4-4

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

ILOM ASR Client is available with ILOM 3.2.5 or later.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager Cloud Control.

1.22 SPARC T5-2

Telemetry Source:

- Solaris 11: Use either ILOM or HOST as telemetry source but not both (Note 9)
- Solaris 10: Use ILOM as telemetry source

ILOM ASR Client is available with ILOM 3.2.5 or later.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager Cloud Control.

1.23 SPARC T5-4

Telemetry Source:

- Solaris 11: Use either ILOM or HOST as telemetry source but not both (Note 9)
- Solaris 10: Use ILOM as telemetry source

ILOM ASR Client is available with ILOM 3.2.5 or later.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager Cloud Control.

1.24 SPARC T5-8

Telemetry Source:

- Solaris 11: Use either ILOM or HOST as telemetry source but not both (Note 9)
- Solaris 10: Use ILOM as telemetry source

ILOM ASR Client is available with ILOM 3.2.5 or later.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager Cloud Control.

1.25 SPARC T7-1

Telemetry Source:

- Use ILOM ASR Client, Solaris 11 ASR Client, or ILOM SNMP.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager.

1.26 SPARC T7-2

Telemetry Source:

- Use ILOM ASR Client, Solaris 11 ASR Client, or ILOM SNMP.

ILOM ASR Client requires **ASR Manager 5.0.3** or later or direct connection to `transport.oracle.com`.

ILOM and Solaris ASR Clients are not supported on Ops Center or Enterprise Manager.

1.27 Netra SPARC T4-1

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

1.28 Netra SPARC T5-1B

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 5 and Note 7) | Fault Coverage

Telemetry Source on: HOST: N/A (Note 8)

1.29 Fujitsu M10-1

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Note 10) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 4.6**

1.30 Fujitsu M10-4

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Note 10) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 4.6**

1.31 Fujitsu M10-4S

Telemetry Source on SERVICE PROCESSOR:

- XSCF (Note 10) | Fault Coverage

Telemetry Source on: HOST: N/A

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 4.6**

1.32 Notes

1. Using M-Series domains as an ASR Manager:
 - M-Series domains cannot be used as an ASR Manager for ASR Manager versions prior to 3.1.
2. Minimum version requirement:
 - The minimum supported XCP version is **1115**.
3. Using ILOM 2.0 or later as a telemetry source:
 - ILOM 2.0 and ILOM 3.0 are supported by ASR, except as noted below.
 - ILOM version 3.0.9.2 and 3.0.9.3.b are not supported by ASR. These versions return the incorrect serial number and will fail activation. If one of these ILOM versions is installed, upgrade to ILOM 3.0.9.3.c or later.
4. Using Solaris 10 FMA as a telemetry source:
 - Requires Solaris 10u3 or higher.
 - If using Solaris 10u3 or 10u4, you must install the following patches:
 - Kernel patch 127127-11 or higher
 - Patch 137095-01 or higher

You can download these patches from My Oracle Support:

<https://support.oracle.com>
5. Using Sideband Management:
 - Sideband Management can be configured so that the Ethernet host ports can be used to transmit ILOM SNMP traps to the ASR Manager. Please refer to your server platform documentation for instructions on how to configure Sideband Management.
6. Using Oracle Server Hardware Management Pack (OHMP):
 - Use either ILOM or OHMP as a Telemetry Source (not both).
 - The host must be at Solaris 10 U9 or later.
 - OHMP 2.1.1 or later is required.
 - OHMP is not supported on Solaris 11.
7. ILOM telemetry provides full fault coverage for this server. Host telemetry is not required.
8. HOST telemetry is not required on this server. Full fault coverage is provided through ILOM telemetry. If host telemetry has been configured, only a single Service Request will be created when a problem is reported through both ILOM and HOST telemetry.

9. With Solaris 11 on these servers, full fault coverage is provided through either ILOM or HOST telemetry. Do not configure both telemetry sources for ASR.
10. M10 servers require XCP version 2052 or later for ASR support.

Qualified Sun Blade Servers

This chapter describes the Sun Blade servers qualified for Oracle Auto Service Request. The following servers are qualified:

-
- | | |
|--|----------------------|
| ▪ Sun Blade 6000 Modular System | ▪ Sun Blade X6275 M2 |
| ▪ Sun Blade X3-2B (Formerly known as Sun Blade X5270 M3) | ▪ Sun Blade X6440 |
| ▪ Sun Blade X4-2B | ▪ Sun Blade X6450 |
| ▪ Sun Blade X6220 | ▪ Sun Blade T6300 |
| ▪ Sun Blade X6240 | ▪ Sun Blade T6320 |
| ▪ Sun Blade X6250 | ▪ Sun Blade T6340 |
| ▪ Sun Blade X6270 | ▪ SPARC T3-1B |
| ▪ Sun Blade X6270 M2 | ▪ SPARC T4-1B |
| ▪ Sun Blade X6275 | ▪ SPARC T5-1B |
-

2.1 Telemetry Sources

Oracle ASR uses the following telemetry sources to detect fault event on Oracle Sun server hardware:

- **Solaris Fault Management Architecture (FMA)** provides CPU and memory fault information from the host.
- **Integrated Lights Out Manager (ILOM)** is embedded into some platforms and comes with dedicated network and serial ports to provide remote management, configuration, and telemetry reporting. ILOM reports power and environmental problems as well as CPU and memory faults on certain servers.

2.2 Sun Blade 6000 Modular System

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1 and Note 2) | Fault Coverage

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.3 Sun Blade X3-2B

(Formerly known as Sun Blade X5270 M3)

Telemetry Source:

- Solaris 11: use *either* ILOM **or** HOST as telemetry source, but **not** both (Note 9)
- Solaris 10: Use ILOM (Note 5 and Note 6) and HOST as telemetry source
- Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**
- Solaris 10: **ASR 3.4**

2.4 Sun Blade X4-2B

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**
- Solaris 10: **ASR 3.4**

2.5 Sun Blade X6220

Telemetry Source on SERVICE PROCESSOR: **N/A** (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.6 Sun Blade X6240

Telemetry Source on SERVICE PROCESSOR: **N/A** (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.7 Sun Blade X6250

Telemetry Source on SERVICE PROCESSOR: **N/A** (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager (Minimum Required Version): **ASR 3.4**

Rules Bundle Version (Minimum Required Version): **2.4.1**

2.8 Sun Blade X6270

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 2 and Note 5) | Fault Coverage

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.9 Sun Blade X6270 M2

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 2 and Note 5) | Fault Coverage

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.10 Sun Blade X6275

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 2, Note 5, and Note 8) | Fault Coverage

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.11 Sun Blade X6275 M2

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 2, Note 5, and Note 8) | Fault Coverage

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.12 Sun Blade X6440

Telemetry Source on SERVICE PROCESSOR: N/A (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.13 Sun Blade X6450

Telemetry Source on SERVICE PROCESSOR: N/A (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager (Minimum Required Version): **ASR 3.4**

Rules Bundle Version (Minimum Required Version): **2.4.1**

2.14 Sun Blade T6300

Telemetry Source on SERVICE PROCESSOR: N/A

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.15 Sun Blade T6320

Telemetry Source on SERVICE PROCESSOR: N/A (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.16 Sun Blade T6340

Telemetry Source on SERVICE PROCESSOR: N/A (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager/Rules Bundle Version (Minimum Required Version): **ASR 3.4**

2.17 SPARC T3-1B

Telemetry Source on SERVICE PROCESSOR: N/A

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager (Minimum Required Version): **ASR 3.4**

Rules Bundle Version (Minimum Required Version): **2.7.1**

2.18 SPARC T4-1B

Telemetry Source on SERVICE PROCESSOR: N/A (Note 7)

Telemetry Source on HOST:

- **Not Supported.** See Note 10.

ASR Manager (Minimum Required Version): **ASR 3.4**

Rules Bundle Version (Minimum Required Version): **2.7.1**

2.19 SPARC T5-1B

Telemetry Source:

- Solaris 11: Use either ILOM or HOST as telemetry source but not both (Note 9)
- Solaris 10: Use ILOM as telemetry source

ASR Manager (Minimum Required Version): **ASR 3.4**

Rules Bundle Version (Minimum Required Version): **2.7.1**

2.20 Notes

1. Using ILOM as a telemetry source:
 - If your system is running ILOM 1.0.x, it must be upgraded to ILOM 2.0.x or later to capture telemetry on the service processor.
 - You must have the ILOM on the Service Processor networked to the ASR Manager. Please refer to your Server platform documentation for instructions on how to network your Service Processor.
2. Using ILOM 3.0.x as a telemetry source:
 - ASR supports ILOM 3.0 on applicable systems.
3. Using Solaris 10 FMA as a telemetry source:
 - Requires Solaris 10u3 or higher.
 - If using Solaris 10u3 or 10u4, you must install the following patches:
 - Kernel patch 127127-11 or higher
 - Patch 137095-01 or higher

You can download these patches from My Oracle Support:

<https://support.oracle.com>
4. Using Solaris 10 FMA as a telemetry source:
 - Requires Solaris 10u6 or higher.
5. Using ILOM Fault Management as a telemetry source for Xxx7x Blade Servers:
 - ILOM Fault Management is the primary source of fault telemetry.
 - Provides fault telemetry for Solaris, Linux, and Windows servers.
6. Using Solaris FMA as a telemetry source for Xxx7x Blade Servers:
 - Solaris FMA provides some additional fault coverage, but ILOM Fault Management is the primary source of fault telemetry.
7. Using ILOM on this Blade Server:
 - The ILOM on this blade product is not used for ASR. Power and environmental fault coverage is provided via the ILOM on the chassis (Sun Blade 6000 Modular System).
8. Configuring the Sun Blade X6275 Server:
 - A Sun Blade X6275 has two Service Processors and two Hosts. ILOM on the Service Processors is the primary telemetry source, and both Service Processors should be configured for ASR. Additional telemetry is available from the Hosts, and to properly receive this telemetry both hosts should be configured for ASR.
9. Solaris 11 Host OS:
 - With Solaris 11 on these Sun Blade servers, full fault coverage is provided through either ILOM or HOST telemetry. Do not configure both telemetry sources for ASR.
10. Solaris 11 FMA `asr-notify` is not supported on any Sun Blade Server products.

Qualified x64 Servers

This chapter describes the Sun Fire (x64) servers qualified for Oracle Auto Service Request. The following servers are qualified:

-
- | | |
|--|---------------------|
| ▪ Sun Server X2-2 (Formerly known as Sun Fire X4170 M2) | ▪ Sun Fire X4100 M2 |
| ▪ Sun Server X2-2L (Formerly known as Sun Fire X4270 M2) | ▪ Sun Fire X4140 |
| ▪ Sun Server X2-4 (Formerly known as Sun Fire X4470 M2) | ▪ Sun Fire X4150 |
| ▪ Sun Server X2-8 (Formerly known as Sun Fire X4800 M2) | ▪ Sun Fire X4170 |
| ▪ Sun Server X3-2 (Formerly known as Sun Fire X4170 M3) | ▪ Sun Fire X4200 |
| ▪ Netra Server X3-2 (Formerly known as Netra X4270 M3) | ▪ Sun Fire X4200 M2 |
| ▪ Sun Server X3-2L (Formerly known as Sun Fire X4270 M3) | ▪ Sun Fire X4240 |
| ▪ Sun Server X4-2 | ▪ Sun Fire X4250 |
| ▪ Sun Server X4-2L | ▪ Sun Fire X4270 |
| ▪ Sun Server X4-4 | ▪ Sun Fire X4275 |
| ▪ Sun Server X4-8 | ▪ Sun Fire X4370 M2 |
| ▪ Sun Server X5-2 | ▪ Sun Fire X4440 |
| ▪ Netra Server X5-2 | ▪ Sun Fire X4450 |
| ▪ Sun Server X5-2L | ▪ Sun Fire X4470 |
| ▪ Sun Server X5-4 | ▪ Sun Fire X4500 |
| ▪ Sun Server X5-8 | ▪ Sun Fire X4540 |
| ▪ Sun Fire X2250 | ▪ Sun Fire X4600 |
| ▪ Sun Fire X2270 | ▪ Sun Fire X4600 M2 |
| ▪ Sun Fire X2270 M2 | ▪ Sun Fire X4640 |
| ▪ Sun Fire X4100 | ▪ Sun Fire X4800 |
-

3.1 Telemetry Sources

Oracle ASR uses the following telemetry sources to detect fault event on Oracle Sun server hardware:

- **Solaris Fault Management Architecture (FMA)** provides CPU and memory fault information from the host.
- **Integrated Lights Out Manager (ILOM)** is embedded into some platforms and comes with dedicated network and serial ports to provide remote management, configuration, and telemetry reporting. ILOM reports power and environmental problems as well as CPU and memory faults on certain servers.
- The **Oracle Hardware Management Pack (OHMP)** allows ILOM events to be captured by the Host and forwarded through the Host network connection. OHMP is a telemetry source for T5xxx and some x64 servers.

3.2 Sun Server X2-2

(Formerly known as **Sun Fire X4170 M2**)

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.3 Sun Server X2-2L

(Formerly known as **Sun Fire X4270 M2**)

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.4 Sun Server X2-4

(Formerly known as **Sun Fire X4470 M2**)

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.5 Sun Server X2-8

(Formerly known as **Sun Fire X4800 M2**)

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.6 Sun Server X3-2

(Formerly known as **Sun Fire X4170 M3**)

Telemetry Source:

- Solaris 11: use either ILOM or HOST as telemetry source, but not both (Note 7 and Note 8)
- Solaris 10: use both ILOM (Note 3 and Note 7) and HOST as telemetry source
- Non-Solaris host: use ILOM as telemetry source (Note 3 and Note 7)
- Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.7 Netra Server X3-2

(Formerly known as **Netra X4270 M3**)

Telemetry Source:

- Solaris 11: use either ILOM or HOST as telemetry source, but not both (Note 7 and Note 8)
- Solaris 10: use both ILOM (Note 3 and Note 7) and HOST as telemetry source
- Non-Solaris host: use ILOM as telemetry source (Note 3 and Note 7)
- Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.8 Sun Server X3-2L

(Formerly known as **Sun Fire X4270 M3**)

Telemetry Source:

- Solaris 11: use either ILOM or HOST as telemetry source, but not both (Note 7 and Note 8)
- Solaris 10: use both ILOM (Note 3 and Note 7) and HOST as telemetry source
- Non-Solaris host: use ILOM as telemetry source (Note 3 and Note 7)
- Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.9 Sun Server X4-2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10: use both ILOM (Note 3 and Note 7) and HOST as telemetry source

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.10 Sun Server X4-2L

Telemetry Source on SERVICE PROCESSOR:

- ILOM: Supported ILOM version should be as released for each product. | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10: use both ILOM (Note 3 and Note 7) and HOST as telemetry source

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.11 Sun Server X4-4

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10 FMA is not supported

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**

3.12 Sun Server X4-8

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10 FMA is not supported

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**

3.13 Sun Server X5-2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10 FMA is not supported

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**

3.14 Netra Server X5-2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10 FMA is not supported

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**

3.15 Sun Server X5-2L

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10 FMA is not supported

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**

3.16 Sun Server X5-4

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on HOST:

- Solaris 11 FMA (asr-notify)
- Solaris 10 FMA is not supported

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 11: **ASR 3.5**

3.17 Sun Server X5-8

ILOM XML is the primary telemetry source and requires ASR Manager **4.9 or later**.
ILOM SNMP is still supported, but only *one* ILOM telemetry source should be used.
Fault Coverage

3.18 Sun Fire X2250

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**, Rules Bundle Version 2.4.1
- Solaris 11: **ASR 3.5**

3.19 Sun Fire X2270

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 3, Note 4, and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.20 Sun Fire X2270 M2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.21 Sun Fire X4100

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
ASR Manager/Rules Bundle Version (Minimum Required Version):
- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.22 Sun Fire X4100 M2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.23 Sun Fire X4140

Telemetry Source on SERVICE PROCESSOR:

- ILOM | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.24 Sun Fire X4150

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**, Rules Bundle Version 2.4.1
- Solaris 11: **ASR 3.5**

3.25 Sun Fire X4170

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 3 and Note 7) | Fault Coverage
Telemetry Source on: HOST:
- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage
ASR Manager/Rules Bundle Version (Minimum Required Version):
- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.26 Sun Fire X4200

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
ASR Manager/Rules Bundle Version (Minimum Required Version):
- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.27 Sun Fire X4200 M2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
- Solaris 10 OHMP (Note 6)
ASR Manager/Rules Bundle Version (Minimum Required Version):
- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.28 Sun Fire X4240

Telemetry Source on SERVICE PROCESSOR:

- ILOM | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA | Fault Coverage
- Solaris 10 OHMP (Note 6)
ASR Manager/Rules Bundle Version (Minimum Required Version):
- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.29 Sun Fire X4250

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**, Rules Bundle Version 2.4.1
- Solaris 11: **ASR 3.5**

3.30 Sun Fire X4270

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.31 Sun Fire X4275

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.32 Sun Fire X4370 M2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.33 Sun Fire X4440

Telemetry Source on SERVICE PROCESSOR:

- ILOM | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.34 Sun Fire X4450

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**, Rules Bundle Version 2.4.1
- Solaris 11: **ASR 3.5**

3.35 Sun Fire X4470

Telemetry Source on SERVICE PROCESSOR:

- ILOM Fault Management (Note 3 and Note 7) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 5) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.36 Sun Fire X4500

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**

- Solaris 11: **ASR 3.5**

3.37 Sun Fire X4540

Telemetry Source on SERVICE PROCESSOR:

- ILOM | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.38 Sun Fire X4600

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.39 Sun Fire X4600 M2

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 1) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.40 Sun Fire X4640

Telemetry Source on SERVICE PROCESSOR:

- ILOM

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2) | Fault Coverage
- Solaris 10 OHMP (Note 6)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.41 Sun Fire X4800

Telemetry Source on SERVICE PROCESSOR:

- ILOM (Note 3) | Fault Coverage

Telemetry Source on: HOST:

- Solaris 10 and Solaris 11 FMA (Note 2)

ASR Manager/Rules Bundle Version (Minimum Required Version):

- Solaris 10: **ASR 3.4**
- Solaris 11: **ASR 3.5**

3.42 Notes

1. Using ILOM as a telemetry source:
 - If your system is running ILOM 1.0.x or any version of ELOM, it must be upgraded to ILOM 2.0.x or later to capture telemetry on the service processor.
 - Any Sun Fire X4150 or Sun Fire X4450 initially shipped with ELOM (any system manufactured prior to August 2008) will need to be upgraded to ILOM version 3.0.6.15a (distributed with Server Software 3.2.0 or higher). Earlier versions of ILOM return the incorrect serial number and will fail activation.
2. Using Solaris 10 FMA as a telemetry source:
 - Requires Solaris 10u6 or higher.
3. Using ILOM Fault Management as a telemetry source for Xxx7x and X4800 servers:
 - ILOM Fault Management is the primary source of fault telemetry.
 - Provides fault telemetry for Solaris, Linux, and Windows servers.
 - ILOM version 3.0.19 (build 54217) is not supported by ASR on Sun Fire X4170, X4270, or X4275 machines. This version returns the incorrect serial number and will fail activation. If this ILOM version is installed, upgrade to ILOM 3.0.9.19.a or later.
4. X2270 Service Processor is a system option:
 - The Service Processor is required in order to generate the ILOM Fault Management fault telemetry.
5. Using Solaris 10 or Solaris 11 FMA as a Telemetry Source for Xxx7x Servers::
 - Solaris 10 and Solaris 11 FMA provides some additional fault coverage, but ILOM Fault Management is the primary source of fault telemetry.
6. Using Solaris 10 OHMP as a Telemetry Source::
 - The host must have Solaris 10 U6 or later. Other operating systems are not supported by ASR.

- The Oracle Hardware Management Pack (OHMP) version 2.0.1 or later must be downloaded and installed on each host. For more information:
<http://www.oracle.com/technetwork/server-storage/servermgmt/tech/hardware-management-pack/index.html>
 - OHMP is not supported on Solaris 11.
7. Using Sideband Management:
- Sideband Management can be configured so that the Ethernet host ports can be used to transmit ILOM SNMP traps to the ASR Manager. Please refer to your server platform documentation for instructions on how to configure Sideband Management.
8. Solaris 11 host OS on Xxx7x M3 Platforms:
- With Solaris 11 on these platforms, full fault coverage is provided through either ILOM or HOST telemetry. Do not configure both telemetry sources for ASR.

F

Fujitsu M10 Series servers, 1-1

N

Netra SPARC servers, 1-1

S

SPARC M-Series servers, 1-1

SPARC servers, 1-1

telemetry sources, 1-1

SPARC T-Series servers, 1-1

Sun Blade servers, 2-1

telemetry sources, 2-1

X

x64 servers, 3-1

telemetry sources, 3-1

