Oracle® SD-WAN Aware 4.3 P10

Release Notes

Original Publication Date: Nov 1, 2019

Copyright © 2019, 2007 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, 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. Windows® 7 and Windows® XP are trademarks or registered trademarks of Microsoft Corporation.

This software or hardware and documentation may provide access to or information on 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. 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.

Table of Contents

About This Document 4
Audience 4
References 4
About This Product 5
Supported Combinations 5
Supported Web Browsers 5
Installing and Upgrading 5
If upgrading from previous versions: 5
3rd Party Issues Affecting Aware 4.3 GA P10 6
Enhancements/Features in Previous Releases 7
Enhancements/Features in Aware 4.3 GA P6 7
Enhancements/Features in Aware 4.3 GA P4 7
Enhancements/Features in Aware 4.3 GA 7
Resolved Issues in Previous Releases 7
Resolved Issues in Aware 4.3 GA P7 7
Resolved Issues in Aware 4.3 GA P6 8
Resolved Issues in Aware 4.3 GA P4 8
Resolved Issues in Aware 4.3 GA P2 8
Resolved Issues in Aware 4.2 GA P3 9

About This Document

Talari Aware release notes inform customers of added features, resolved issues, requirements for use, and known issues in the latest Talari Aware releases.

My Oracle Support

My Oracle Support (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with My Oracle Support registration.

Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select 2 for New Service Request.
2. Select 3 for Hardware, Networking, and Solaris Operating System Support.
3. Select one of the following options:
    - For technical issues such as creating a new Service Request (SR), select 1.
    - For non-technical issues such as registration or assistance with My Oracle Support, select 2.

You are connected to a live agent who can assist you with My Oracle Support registration and opening a support ticket.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration

- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) site, http://docs.oracle.com. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at http://www.adobe.com.

1. Access the Oracle Help Center site at http://docs.oracle.com.
2. Click Industries.
3. Click the Oracle Communications link.

   Under the SD-WAN header, select a product.
4. Select the Release Number.

   A list of the entire documentation set for the selected product and release appears.
5. To download a file to your location, right-click the PDF link, select Save target as (or similar command based on your browser), and save to a local folder.

References

The following documents are available:

- *Talari Glossary*
- *Talari Aware Installation and Upgrade Guide*
- *Talari Aware 4.3 GA New Features Guide*
- *Talari APN 7.3 GA New Features Guides*
- *Talari APN 7.3 GA P9 Release Notes*

About This Product

Supported Combinations

Aware 4.3 GA P9 is supported in combination with the following level(s) of Talari APN:

- APN 7.3 GA P9

Supported Web Browsers

Aware is supported in latest versions of the following web browsers:

- Microsoft IE9 – IE11
- Mozilla Firefox
- Google Chrome

Supported browsers must have cookies enabled.

Supported browsers must have JavaScript installed and enabled.

Installing and Upgrading

If installing for the first-time:

- Install Aware VM Image. See *Talari Aware Installation and Upgrade Guide*.

If upgrading from previous versions:

If upgrading from 2.1 GA or previous:

- Aware version 2.1 MIGRATION needs to be installed on the existing Aware VM prior to upgrading to any version beyond 2.1 MIGRATION. Once you have completed the upgrade to 2.1 MIGRATION once, you may safely upgrade to all later versions of software without the need to reinstall 2.1 MIGRATION a second time.
  If upgrading from Aware 1.0 GA H2 or previous:
- Install full Aware VM Image and perform non-disruptive database migration from the old Aware VM to the new Aware VM. See *Talari Aware Installation and Upgrade Guide*.
  If upgrading from Aware 1.0 GA P1 or later:
- Install Aware Software on existing Aware VM. See *Talari Aware Installation and Upgrade Guide.*

Aware 4.3 GA P10 was not altered for the purpose of any major feature, enhancements, or bug fixes.

3rd Party Issues Affecting Aware 4.3 GA P10

The following 3rd party issues are known to affect Aware 4.3 GA P10:

ID	Issue Description
11197	We have investigated an issue of data corruption that was reported when upgrading to Aware 1.4 in a storage area network (SAN) environment. No such issue has been found when upgrading to Aware 1.4 in a locally-attached storage environment. Aware supports locally-attached storage due to application performance requirements. See the *Aware Installation and Upgrade Guide* for more details.

Enhancements/Features in Previous Releases

Enhancements/Features in Aware 4.3 GA P6

The following issues have been enhanced or added since Aware 4.3 GA P5:

ID	Issue Description
18353	OS Date information has been added to the appliance inventory found under **Monitor > APN Inventory**.

Enhancements/Features in Aware 4.3 GA P4

The following issues have been enhanced or added since Aware 4.3 GA P3:

ID	Issue Description
17690	Aware 4.3 GA P4 introduces the Threshold Alerting, which provides the ability to monitor WAN link usage and trigger an alert if a user-defined usage threshold for a site is exceeded.

Enhancements/Features in Aware 4.3 GA

The following issues have been enhanced or added since Aware 4.2 GA P3:

ID	Issue Description
17119	Signature Library v1.0 includes more than 100 pre-set application signatures for use in conjunction with Enhanced Application Identification.
16584	Port State Reflection may now be enabled on interface groups which contain more than 2 Ethernet ports.
16537	Aware 4.3 introduces the ability to configure enhanced application identification and traffic steering based on application.

Resolved Issues in Previous Releases

Resolved Issues in Aware 4.3 GA P7

The following issues have been fixed since Aware 4.3 GA P6:

ID	Issue Description
14138	The operating system that ships with the Aware VM image is based on a newer Debian kernel and includes updates from Debian Security Advisories. This version of the Aware operating system is called release 5.01, and requires Aware software level 4.3 GA P7 or later. Aware 4.3 GA P7 and later are still supported on older Aware operating system versions.

Resolved Issues in Aware 4.3 GA P6

The following issues have been fixed since Aware 4.3 GA P5:

ID	Issue Description
17644	Exporting a configuration from Aware to the APN may fail if the compressed configuration exceeds 2MB in size.

Resolved Issues in Aware 4.3 GA P4

The following issues have been fixed since Aware 4.3 GA P3:

ID	Issue Description
17988	When an Aware instance has a large statistics database, connections to the database may initially fail, resulting in a large number of STATS_ERROR messages in the logs and notifications.
17968	When managing APN Appliance Settings using Aware, Aware does not accept the following symbols as part of a TACACS password, although they are permitted by the appliance: < > & ‘ “
17965	Under **Manage > APN Aware Settings > Configuration Editor Software**, when the “Enable Configuration Editor Package Management” box is checked, the Download button under "Download Editor from Active NCN" stays greyed out and unavailable.

Resolved Issues in Aware 4.3 GA P2

The following issues have been fixed since Aware 4.2 GA P1:

ID	Issue Description
17705	Aware is unable to export configuration packages that are over 2 MB in size to the NCN.

Resolved Issues in Aware 4.2 GA P3

The following issues have been fixed since Aware 4.2 GA P2:

ID	Issue Description
15911	Gaps may be shown in the graphs for a WAN Link with multiple MPLS Queues. The individual MPLS Queue graphs are correct, and the WAN Link should show an aggregation of the component MPLS Queues that make it up. The workaround is to rely on the MPLS Queue graphs.