Hewlett Packard Enterprise

HPE Workload Aware Security for Linux, V1.2

Frequently Asked Questions

February 2019

Contents

General HPE WASL questions

1. Where can I buy HPE Workload Aware Security for Linux® (WASL)?
See the following SKUs in OCA:

    I. Q8K91AAE HPE WASL x86 Basic Instance E-LTU

    II.   Q8K91A HPE WASL x86 Basic Instance LTU

    III.   Q8K93A HPE WASL x86 Basic Media

    IV.   Q8K92AAE HPE WASL x86 Advanced Instance E-LTU

    V.   Q8K92A HPE WASL x86 Advanced LTU VI.   Q8K94A HPE WASL x86 Advanced Media

2. How is it licensed?
It is licensed per instance (physical or virtual) of OS and has two different options:

a.   Basic - Linux operating system security compliance

b.   Advanced - Basic license functionality plus SAP HANA® security compliance

3. Does it work on third-party servers?
No, it is designed to be a differentiator for HPE x86 servers. It is supported on all HPE x86 based servers supporting Linux such as Red Hat® Enterprise Linux (RHEL) and SUSE Linux Enterprise Server (SLES).

    I.   HPE ProLiant BL servers

    II.   HPE ProLiant DL servers

    III.   HPE Synergy

    IV.   HPE MCS servers - HPE Superdome Flex, HPE MC990 X, HPE Superdome X V.   SAP HANA

        appliances - HPE CS900, HPE CS500

    VI.   SAP HANA TDI servers

4. What are the OS versions it is designed for?

    I.   SLES - SLES 12

    II.   SLES for SAP Applications 12

    III.   RHEL - RHEL 7

    IV.   HPE WASL Virtual Appliance (For SMS - WASL 1.2)

5. Which applications are currently supported?
By default, it currently supports SAP HANA®.

6. Can it work for other applications? If yes, how?
Yes, HPE WASL customized to offer extended policy coverage for any unique application. This would require R&D and HPE Pointnext involvement for customization.

7. What are the system requirements for HPE WASL to work?
HPE WASL SMS is now shipped as a Virtual Appliance, it can be installed as a virtual machine on a VMware Hypervisor. WASL secures the OS and applications that run RHEL or SUSE variants. For detailed specifications, see the support matrix.

8. Does it need to be installed on every server?
WASL SMS is a centralized management station from which the individual nodes that need security can be automatically loaded with the required software packages. It does not need manual installation on each node.

Frequently asked questions

9. How can I monitor the compliance of all nodes that I need to administer compliance?

HPE WASL Security Management Station (SMS) works at a center point where you can

a. See the compliance status of all nodes

b. Take actions on the nodes

10. Are there any HPE WASL agents running at the nodes?

No, HPE WASL is an agentless software. There are no HPE WASL agents running at the nodes. There are software modules that are needed for automatically performing evaluation and remediation which are installed on the end nodes which are invoked during the operation.

11. Does it affect system performance?

As HPE WASL is an agentless software, there is nothing running in the background on the nodes that would affect system performance. It performs the designated action and exits. Also, it meets with performance standards of the servers as well as SAP HANA® KPIs.

12. Is there a separate VM/container required to install at the node for HPE WASL?

No, there is no special VM/Container requirement at node level for HPE WASL to harden.

13. Is HPE WASL integrated into HPE OneView?

No, HPE WASL SMS is a stand-alone management station.

14. Is it possible for the customer to install HPE WASL on their own or HPE Pointnext service is mandatory?

HPE WASL is designed to be simple and intuitive to use and hence is easily installable by the customers. Also, installation services from HPE Pointnext are available should they choose to avail.

15. Is it possible to use SMS server with other server such as backup, quorum, and HANA Cockpit?

No, HPE WASL SMS is now (starting 1.2) is shipped as a Virtual Appliance and can be deployed on VMware Hypervisor.

16. How does HPE WASL policy update take place?

HPE would periodically update the WASL policies to adopt industry standard or vendors recommended updates. Customers must be under a valid support contract to avail these updates.

17. Does HPE WASL work only in scale-up environment?

HPE WASL works in both scale-up as well as scale-out environments.

18. Which version of HANA database are supported?

HPE WASL supports HANA 1.0 SPS11/12, HANA2.0 SPS/00/01/02/03.For more information, see the HPE WASL release notes.

19. Is it possible to delete workloads which are no longer used?

No, HPE WASL does not provide an option to delete a workload for audit trail purpose. However, you can disable a workload using the disable option.

20. How does HPE WASL read the data at workloads to generate compliance report?

HPE WASL pushes the profiles from the SMS to end node through SSH connection and the same connection is used to retrieve the compliance data from the workloads to SMS.

21. How does HPE WASL perform remediation action on workloads? What user level privileges does it need?

The remediation is done using the automated profiles. The profile has implementation of the remediation action for rules that is part of the profile. These profiles are executed on the end node through OS / database usernames provided to the workloads in WASL SMS. They can be like any other normal Linux or database users. For OS remediation, these users need the root privileges. A normal user with the privileges (to perform sudo as root user) to invoke the scripts is sufficient instead of using the root user here. For database remediation, the database

username provided in WASL SMS should have privileges (all required privileges are provided in WASL SMS user guide) to run the actual remediation. There is no need to provide details of system database user to WASL.

22. Does HPE WASL support customized policies?

Yes, HPE WASL supports user customized policies. For more information, see HPE WASL user guide – Policy customization section.

23. Is SSH protocol required for HPE WASL to work?

Yes, HPE WASL uses SSH protocol to communicate with the end node.

24. Does HPE WASL support single sign on mechanism to end node from SMS?

The SMS establishes the connection every time when it performs an operation and this is completely transparent to the end user. HPE WASL uses the workload information when user performs any operations, thus the user need to register once (provide credentials) and can perform the operations any number of times without feeding the credentials.

25. Does single HPE WASL instance manage multiple servers in Data Center & Disaster Recovery?

Yes. A single instance of the HPE WASL SMS is sufficient to manage multiple servers across the Datacenter or Disaster Recovery. All the nodes must be accessible from the SMS to perform the operations.

26. Is SAP HANA Client required to be installed in the SAP HANA node prior to the node registration?

Yes, HANA Client should be installed in the Workload system. HPE WASL SAP HANA packages uses SAP HANA client, HDB_CLIENT to connect to SAP HANA database. For more information, see HPE WASL user guide.

27. Does HPE WASL SMS supports different version of VMware Hypervisor?

Yes, it supports VMware Vsphere 6.0, 6.5 and 6.7.

28. Does HPE WASL have a trial version?

Yes, a free trial version is available here. (Requires an HPE Passport account; you can sign up at the page).

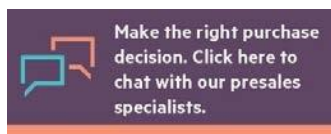## 29. What is the validity period of the trial version of HPE WASL?

The trial version is valid for 30 days with full feature support on a maximum of three workloads.

Frequently asked questions

Learn more at:
https://h20392.www2.hpe.com/portal/swdepot/displayProductInfo.do?productNumber=WASL

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