

**National Information Assurance Partnership
Common Criteria Evaluation and Validation Scheme**



Validation Report
for
VMware Horizon Agent 8 2209 (Horizon 8.7)

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1 Executive Summary

This Validation Report (VR) documents the National Information Assurance Partnership (NIAP) assessment of the evaluation of VMware Horizon Agent 8 2209 (Horizon 8.7) (the Target of Evaluation, or TOE). It presents the evaluation results, their justifications, and the conformance results. This VR is not an endorsement of the TOE by any agency of the U.S. Government and no warranty of the TOE is either expressed or implied.

The evaluation was performed by Leidos Common Criteria Testing Laboratory (CCTL) in Columbia, Maryland, USA, and was completed in June 2023. The information in this report is largely derived from the Evaluation Technical Report (ETR) and associated test report written by Leidos. The evaluation determined that the TOE is Common Criteria Part 2 Extended and Common Criteria Part 3 Extended and meets the assurance requirements of the following documents:

- *Protection Profile for Application Software*, Version 1.4, 7 October 2021
- *Functional Package for Transport Layer Security (TLS)*, Version 1.1, February 12, 2019

The TOE is VMware Horizon Agent 8 2209 (Horizon 8.7). The TOE identified in this VR has been evaluated at a NIAP approved CCTL using the Common Methodology for IT Security Evaluation (Version 3.1, Rev. 5) for conformance to the Common Criteria for IT Security Evaluation (Version 3.1, Rev. 5). The evaluation has been conducted in accordance with the provisions of the NIAP Common Criteria Evaluation and Validation Scheme (CCEVS) and the conclusions of the testing laboratory in the ETR are consistent with the evidence provided.

The Validation team monitored the activities of the evaluation team, provided guidance on technical issues and evaluation processes, and reviewed the individual work units documented in the ETR and the Assurance Activities Report (AAR). The Validation team found the evaluation demonstrated the product satisfies all of the Security Functional Requirements (SFRs) and Security Assurance Requirements (SARs) specified in the ST. The conclusions of the testing laboratory in the ETR are consistent with the evidence produced. Therefore, the Validation team concludes that the testing laboratory's findings are accurate, the conclusions justified, and the conformance results are correct.

The technical information included in this report was obtained from the *VMware Horizon Agent 8 2209 (Horizon 8.7) Security Target*, Version 1.0, 17 May 2023, and analysis performed by the Validation team.

2 Identification

The CCEVS is a joint National Security Agency (NSA) and National Institute of Standards and Technology (NIST) effort to establish commercial facilities to perform trusted product evaluations. Under this program, commercial testing laboratories called Common Criteria Testing Laboratories (CCTLs) use the Common Criteria (CC) and Common Methodology for IT Security Evaluation (CEM) to conduct security evaluations, in accordance with National Voluntary Laboratory Assessment Program (NVLAP) accreditation.

The NIAP Validation Body assigns Validators to monitor the CCTLs to ensure quality and consistency across evaluations. Developers of IT products desiring a security evaluation contract with a CCTL and pay a fee for their product's evaluation. Upon successful completion of the evaluation, the product is added to NIAP's Product Compliant List (PCL).

Table 1 provides information needed to completely identify the product, including:

- The TOE—the fully qualified identifier of the product as evaluated
- The ST—the unique identification of the document describing the security features, claims, and assurances of the product
- The conformance result of the evaluation
- The PP/PP-Modules to which the product is conformant
- The organizations and individuals participating in the evaluation.

Table 1: Evaluation Identifiers

Item	Identifier
Evaluation Scheme	United States NIAP Common Criteria Evaluation and Validation Scheme
TOE	VMware Horizon Agent 8 2209 (Horizon 8.7). The TOE has Windows and Linux platform versions with the following system requirements for its host platform: • Windows platform: ○ Windows Server 2019 and Windows 10, both virtualized on VMware ESXi 7.0 ○ Platform must be configured into FIPS-compliant mode of operation • Linux platform: ○ RHEL 8, virtualized on VMware ESXi 7.0 ○ Platform must be configured into FIPS-compliant mode of operation.
Security Target	VMware Horizon Agent 8 2209 (Horizon 8.7) Security Target, Version 1.0, 17 May 2023
Sponsor & Developer	VMware, Inc. 3401 Hillview Avenue Palo Alto, CA 94304
CC Version	Common Criteria for Information Technology Security Evaluation, Version 3.1, Release 5, April 2017

Item	Identifier
CEM Version	Common Methodology for Information Technology Security Evaluation: Version 3.1, Release 5, April 2017
Protection Profile	<i>Protection Profile for Application Software</i> , Version 1.4, 7 October 2021 <i>Functional Package for Transport Layer Security (TLS)</i> , Version 1.1, February 12, 2019
Conformance Result	PP Compliant, CC Part 2 extended, CC Part 3 extended
CCTL	Leidos Common Criteria Testing Laboratory 6841 Benjamin Franklin Drive Columbia, MD 21046
Evaluation Personnel	Dawn Campbell, Kevin Zhang, Pascal Patin
Validation Personnel	Jenn Dotson, Sheldon Durrant, Lisa Mitchell, Linda Morrison, Clare Parran, Chris Thorpe

3 TOE Architecture

The Horizon Agent TOE consists of the Horizon Agent application. The TOE has both Windows and Linux platform versions. The Windows application consists of C, C++, and Java code, and the Linux application consist of C, C++, Java, Python, JavaScript, and shell code. Third-party components used by the TOE (as specified by Appendix A.2 in the Security Target) are linked into the TOE binaries or run as a system service, depending on the component.

3.1 Physical Boundary

The VMware Horizon Agent 8 application is a server application that that runs on virtual servers in the enterprise environment and is responsible for serving content on the system it runs on to an authorized Horizon Client accessing it through the virtual desktop.

The VMware Horizon Agent 8 application is part of the VMware Horizon suite of applications consisting of Horizon Client applications, Horizon Agent applications, and Horizon Connection Server(s). A VMware Horizon deployment typically includes one or more instances of the VMware Unified Access Gateway (UAG) as well. Figure 1 shows the TOE in a sample deployment with other VMware Horizon applications and the UAG in its operational environment.

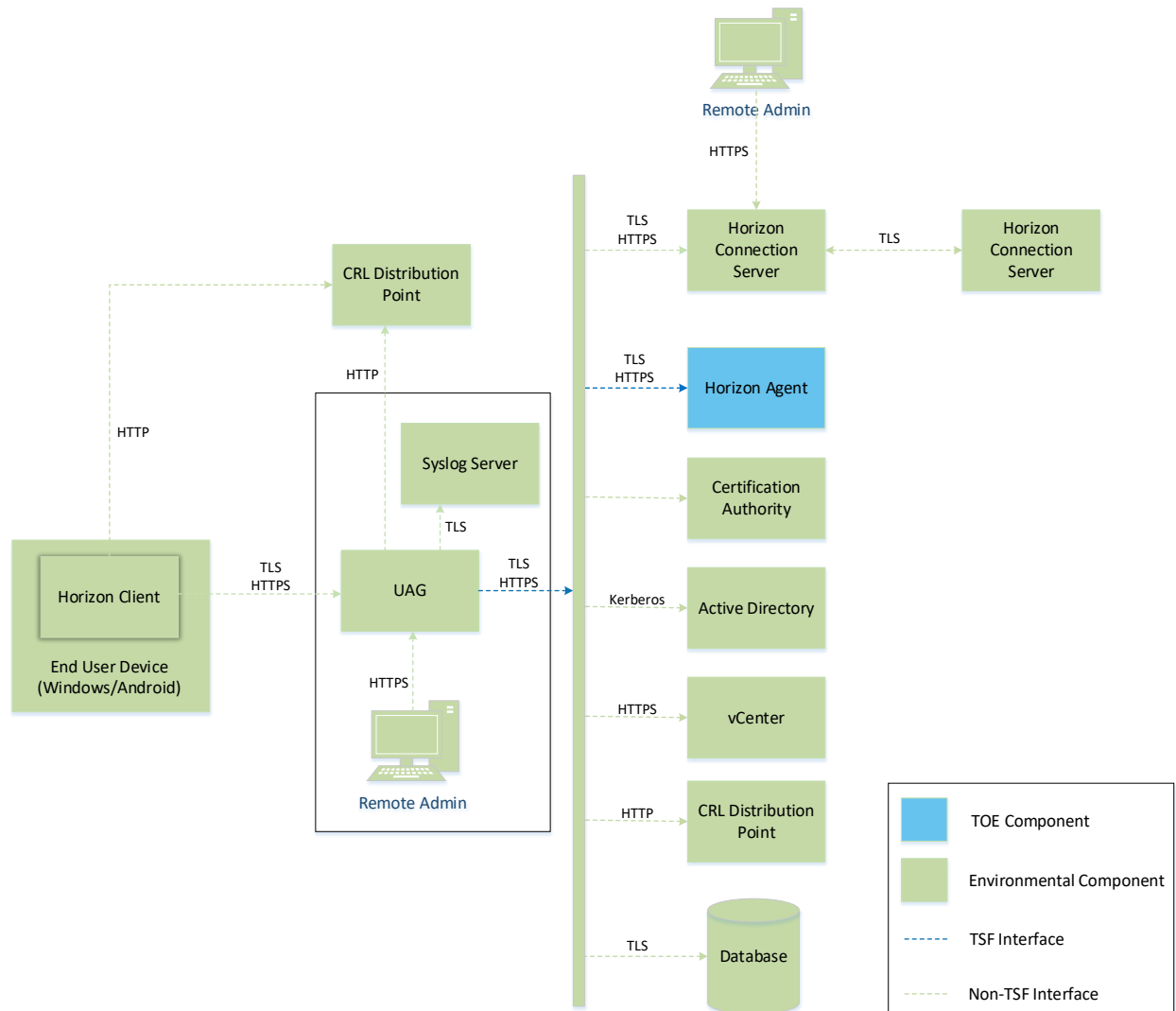


Figure 1: TOE Boundary

The TOE has the following system requirements for its host platform:

- Windows platform:
 - Windows Server 2019 and Windows 10, both virtualized on VMware ESXi 7.0
 - Platform must be configured into FIPS-compliant mode of operation
- Linux platform:
 - RHEL 8, virtualized on VMware ESXi 7.0
 - Platform must be configured into FIPS-compliant mode of operation
- VMware ESXi 7.0
- Intel Pentium IV 2.0GHz processor or higher – 2 CPUs minimum, 4 CPUs recommended
 - The TOE's tested configuration uses an Intel Xeon 6230R (Cascade Lake)
- 4 GB RAM – at least 40GB recommended for deployments of 50 or more remote desktops
- 100 Mbps NIC – 1 Gbps recommended

The following network ports must be open for the TOE to function:

- TCP/22443 (for Blast protocol connectivity to Horizon Client via UAG)

The TOE's operational environment includes the following:

- Other VMware Horizon components (at least one each of Horizon Connection Server and Horizon Client).
- Network access between "outer" and "protected" networks mediated through VMware UAG.
- Platform (hardware and software) on which the TOE is hosted.
 - The TOE is capable of running on a general-purpose Windows or Linux operating system on standard consumer-grade hardware. For the evaluated configuration, the TOE was tested on the following environments:
 - Windows platform:
 - Windows Server 2019 and Windows 10, both virtualized on VMware ESXi 7.0
 - Platform configured into FIPS-compliant mode of operation
 - Linux platform:
 - RHEL 8, virtualized on VMware ESXi 7.0
 - Platform configured into FIPS-compliant mode of operation
 - Each tested configuration included an Intel Xeon 6230R (Cascade Lake) processor.
 - VMware VM Encryption is required for the TOE platform to ensure adequate data-at-rest protection.
 - Authentication server (Active Directory) – optional for configuration.

The TOE has multiple editions with different features that are activated by licensing. The security functionality claimed within the TOE boundary is not affected by which license is used. The highest tier edition (Enterprise) was used for the tested configuration.

4 Security Policy

The TOE enforces the following security policies as described in the ST.

4.1 Cryptographic Support

The TOE makes use of cryptography to protect data at rest and in transit.

For data at rest, the Windows platform version of the TOE relies on its operational environment to control access to stored credential data stored as certificates. All other credential data for both the Windows and Linux platform versions are protected by TSF-provided cryptographic functions.

For protection of sensitive data in transit, the TOE implements TLS/HTTPS as a server. The TOE implements all cryptography used for these functions using its own implementation of OpenSSL with CAVP validated algorithms. The TOE also implements cryptography through its own implementation Bouncy Castle BC-FJA. This is used to decrypt and encrypt data that is transmitted between the environmental Connection Server and the TOE. The TOE's DRBG is seeded using entropy from the underlying OS platform.

4.2 User Data Protection

The TOE relies on volume encryption via VMware VM Encryption to protect sensitive data at rest in addition to the mechanisms described in section 4.1 above that are used to protect credential data at rest.

The TOE relies on the network connectivity of its host OS platform. The TOE can also access the system clipboard, audio/video capture devices, and file system resources.

4.3 Security Management

The TOE itself and the configuration settings it uses are stored in locations recommended by the platform vendor. The TOE is launched by an authenticated OS user and runs in the session context of that user; there is no interface to the TSF to act as an administrator through separate authentication. Changes to the product configuration are initiated from the Operational Environment.

4.4 Privacy

The TOE does not have a mechanism to retrieve or transmit personally identifiable information (PII) of any individuals.

4.5 Protection of the TSF

The TOE enforces various mechanisms to prevent itself from being used as an attack vector to its host OS platform. The TOE implements address space layout randomization (ASLR), does not allocate any memory with both write and execute permissions, does not write user-modifiable files to directories that contain executable files, is compiled using stack overflow protection, and is compatible with the security features of its host OS platform.

The TOE contains libraries and invokes system APIs that are well-known and explicitly identified.

The TOE has a mechanism to determine its current software version. Software updates to the TOE can be acquired through the application itself or by leveraging its OS platform, depending on the platform version of the TOE. All updates are digitally signed to guarantee their authenticity and integrity.

4.6 Trusted Path/Channels

The TOE encrypts sensitive data in transit between itself and its operational environment using TLS/HTTPS.

5 Assumptions and Clarification of Scope

5.1 Assumptions

The Security Problem Definition, including the assumptions, may be found in the following documents:

- *Protection Profile for Application Software*, Version 1.4, 07 October 2021

That information has not been reproduced here and PP_APP_V1.4 should be consulted if there is interest in that material.

As a functional package, the TLS Package does not contain a Security Problem Definition. The TOE's use of TLS is intended to mitigate the T.NETWORK_ATTACK and T.NETWORK_EAVESDROP threats defined by PP_APP_V1.4.

5.2 Clarification of Scope

The scope of this evaluation was limited to the functionality and assurances covered in the PP_APP_V1.4/FP_TLS_V1.1 as described for this TOE in the ST. Other functionality included in the product was not assessed as part of this evaluation. All other functionality provided by the devices needs to be assessed separately, and no further conclusions can be drawn about their effectiveness.

All evaluations (and all products) have limitations, as well as potential misconceptions that need clarifying. This text covers some of the more important limitations and clarifications of this evaluation. Note that:

- As with any evaluation, this evaluation shows only that the evaluated configuration meets the security claims made, with a certain level of assurance, achieved through performance by the evaluation team of the evaluation activities specified in the following documents:
 - *Protection Profile for Application Software*, Version 1.4, 7 October 2021 ([5])
 - *Functional Package for Transport Layer Security (TLS)*, Version 1.1, February 12, 2019 (TLS Package)
- This evaluation covers only the specific software distribution and version identified in this document and referenced in the *VMware Horizon Agent 8 2209 (Horizon 8.7) Security Target*, Version 1.0, 17 May 2023, and not any earlier or later versions released or in process.
- Apart from the Admin Guides identified in Section 6, additional customer documentation for the specific software version and platform versions was not included in the scope of the evaluation and therefore should not be relied upon when configuring or operating the device as evaluated.
- This evaluation did not specifically search for, nor attempt to exploit, vulnerabilities that were not "obvious" or vulnerabilities to objectives not claimed in the ST. The CEM defines an "obvious" vulnerability as one that is easily exploited with a minimum of understanding of the TOE, technical sophistication and resources.
- The functionality evaluated is scoped exclusively to the security functional requirements specified in the PP_APP_V1.4/FP_TLS_V1.1 and applicable Technical Decisions. Any additional security related functional capabilities included in the product were not covered by this evaluation. In particular, the functionality mentioned in Section 8.2 of this document is excluded from the scope of the evaluation.

6 Documentation

The vendor offers guidance documents describing the installation process for the TOE as well as guidance for subsequent administration and use of the applicable security features. The guidance documentation examined during the evaluation and delivered with the TOE is as follows:

- *VMware Horizon Agent 8 2209 (Horizon 8.7) Common Criteria (CC) Evaluated Configuration Guidance*, Version 1.0, May 17, 2023 (CCECG)
- *VMware Horizon 2209 Installation and Upgrade*, 2022
- *VMware Horizon 2209 Windows Desktops and Applications in Horizon*, 2022
- *VMware Horizon 2209 Linux Desktops and Applications in Horizon*, 2022
- *VMware Horizon 2209 Horizon Security*, 2022
- *VMware Horizon 2209 Horizon Overview and Deployment Planning*, 2022

To use the product in the evaluated configuration, the product must be installed and configured as specified in *VMware Horizon Agent 8 2209 (Horizon 8.7) Common Criteria (CC) Evaluated Configuration Guidance*. This document provides references to other documentation for specific steps in to place the TOE into its the evaluated configuration.

7 IT Product Testing

This section describes the testing efforts of the evaluation team. It is derived from information contained in the following proprietary document:

- *VMware Horizon 8 Agent Common Criteria Test Report and Procedures*, Version 1.1, 25 May 2023

A non-proprietary description of the tests performed and their results is provided in the following document:

- *Assurance Activities Report for VMware Horizon Agent 8 2209 (Horizon 8.7)*, Version 1.2, June 22, 2023

7.1 Developer Testing

No evidence of developer testing is required in the assurance activities for this product.

7.2 Evaluation Team Independent Testing

The Evaluation team verified the product according to a Common Criteria Certification document and ran the tests specified in the PP_APP_V1.4/FP_TLS_V1.1.

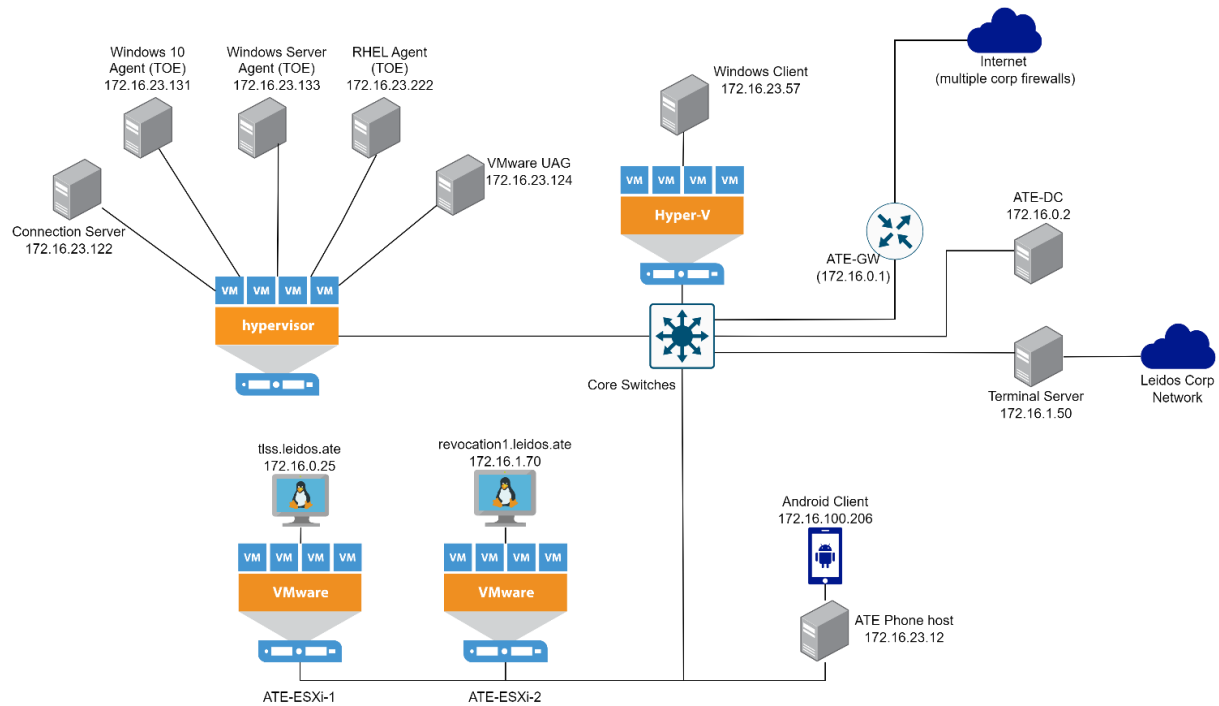
Independent testing took place at Leidos CCTL facilities in Columbia, Maryland, from May 20, 2022 to June 22, 2023.

The Evaluation team received the TOE in the form that customers would receive it, installed and configured the TOE in accordance with the provided guidance, and exercised the team test plan on equipment configured in the testing laboratory.

The evaluators received the TOE in the form that customers would receive it, installed and configured the TOE in accordance with the provided guidance, and exercised the team test plan on equipment configured in the testing laboratory.

7.3 Test Configuration

This section identifies the devices used for testing the TOE and describes the test configuration. The test configuration is described below:



The following components were used to create the test configurations:

TOE Devices

Horizon Agent 8 2209 (Windows)

- Windows 10 Agent
Purpose: TOE
IP / MAC: 172.16.23.131 / 00:50:56:88:69:92
Version: 2209.1
ESXi Version: 7.0.2
- Windows Server Agent
Purpose: TOE
IP / MAC: 172.16.23.133 / 00:0C:29:52:6B:B4
Version: 2209.1
ESXi Version: 7.0.2

Horizon Agent 8 2209 (Linux)

- RHEL Agent
Purpose: TOE
IP / MAC: 172.16.23.222 / 00:0C:29:A):F4:04
Version: 2209.2
ESXi Version: 7.0.2

Environment Devices

-
- VMware Hypervisor
Purpose: TOE host
IP / MAC: 172.16.23.232 / 78:AC:44:41:B7:68
ESXi Version: 7.0
 - Hyper-V
Purpose: Hosting server
IP / MAC: 172.16.50.10 / DC:F4:01:E8:60
Version: Windows Server Datacenter 10.0.18363
 - ATE Phone Host server
Purpose: Virtualization server
IP / MAC: 172.16.23.12 / 8C:AE:4C:E1:70:84
Version: Windows 10 Professional
 - VMware Windows Client
Purpose: Client device to TOE
IP / MAC: 172.16.23.57 / 8C:AE:4C:E1:70:84
Version: 2209.1
 - VMware Android Client
Purpose: Client device to TOE
IP / MAC: 172.16.100.206 / BE:C6:70:E3:22:8B
Phone model: Galaxy S10 5G
OS: Android 11
 - VMware Connection Server
Purpose: Virtualization server
IP / MAC: 172.16.23.12 / 00:50:56:88:36:BC
Version: 2209.1
 - VMware Unified Access Gateway (UAG)
Purpose: Virtualization server
IP / MAC: 172.16.23.124 / 00:50:56:A7:F1:85
Version: 2209.2
 - ATE-GW (Physical)
Purpose: Main router/gateway
IP/ MAC: 172.16.0.1 / ac:1f:6b:95:0c:1d
OS: PfSense 2.4.4-RELEASE-p2
 - ATE-DC (Physical)
Purpose: Main Domain Controller (DC) for Test environment/DNS server
IP /MAC: 172.16.0.2 / 00:22:19:58:EB:8D
OS: Windows Server 2016 version 1607

Protocols used: RDP, DNS

- ATE-ESXi-1 (Physical)

Purpose: Virtualization server

IP/ MAC: 172.16.1.62 / 10:7b:44:92:77:bf

OS: VMware ESXi, 6.5.0, 5969303

- Terminal Server (Physical)

Purpose: Provide tester access to the Test Environment from corporate network.

IP/MAC: 172.16.1.50 / D4:BE:D9:B4:FE:66

OS: Windows server 2016 version 1607

Protocols used: RDP

- TLSS.leidos.ate (VM)

Purpose: Hosts TLS Test Tools

IP/MAC: 172.16.0.25 / 00:50:56:b1:66:0b

OS: Ubuntu 18.04.5

Protocols Used: TLS

Relevant Software:

Proprietary Python TLS test tools

OpenSSL 1.1.1

Wireshark 2.6.10

- Syslog1.leidos.ate (VM)

Purpose: Receives logs from TOE via Syslog

IP/MAC: 172.16.0.30 / 00:50:56:b1:28:3b

OS: Ubuntu 18.04.2 LTS

Protocols Used: Syslog

Relevant Software:

rsyslogd 8.32.0

8 TOE Evaluated Configuration

8.1 Evaluated Configuration

The TOE is the VMware Horizon Agent 8 2209 (Horizon 8.7), evaluated on the following host platforms:

- Windows platform:
 - Windows Server 2019 and Windows 10, both virtualized on VMware ESXi 7.0
 - Platform configured into FIPS-compliant mode of operation
- Linux platform:
 - RHEL 8, virtualized on VMware ESXi 7.0
 - Platform configured into FIPS-compliant mode of operation

Each tested configuration included an Intel Xeon 6230R (Cascade Lake) processor.

8.2 Excluded Functionality

The TOE has the following logical exclusions:

- Tunnel Channel – The Windows platform version of the Horizon Agent has a separate tunnel channel that allows for communications of Microsoft RDP and Windows Media MMR through HTTPS. This channel also allows a USB device connected to a remote Horizon Client system to be accessible by the TOE platform as if it was plugged in to the remote device (USB redirection), and it allows for the Horizon Client system's file system to be similarly accessible on the virtual desktop (Client Drive Redirection, or CDR). In the evaluated configuration, the communications that use the tunnel channel are configured to use Blast instead.
- PcoIP – The Windows platform version of the Horizon Agent supports PC over IP (PcoIP) for remote communications with Horizon Clients. In the evaluated configuration, this is disabled and Blast is used instead (the Linux platform version only supports Blast).

9 Results of the Evaluation

The results of the evaluation of the TOE against its target assurance requirements are generally described in this section and are presented in detail in the proprietary Evaluation Technical Report for VMware Horizon Agent 8 2209 (Horizon 8.7). The reader of this VR can assume that all assurance activities and work units received passing verdicts.

A verdict for an assurance component is determined by the resulting verdicts assigned to the corresponding evaluator action elements. The evaluation was conducted based upon CC version 3.1, revision, and the specific evaluation activities specified in:

- *Protection Profile for Application Software*, Version 1.4, 7 October 2021
- *Functional Package for Transport Layer Security (TLS)*, Version 1.1, February 12, 2019

The evaluation determined the TOE satisfies the conformance claims made in the VMware Horizon Agent 8 2209 (Horizon 8.7) Security Target, of Part 2 extended and Part 3 extended. The Validation team reviewed all the work of the evaluation team and agreed with their practices and findings.

9.1 Evaluation of the Security Target (ST) (ASE)

The Evaluation team performed each TSS evaluation activity and ASE CEM work unit. The ST evaluation ensured the ST contains an ST introduction, TOE overview, TOE description, security problem definition in terms of threats, policies and assumptions, description of security objectives for the operational environment, a statement of security requirements claimed to be met by the product that are consistent with the claimed Protection Profile, and security function descriptions that satisfy the requirements.

The Validation team reviewed the work of the Evaluation team and found that sufficient evidence and justification was provided by the Evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the Evaluation team was justified.

9.2 Evaluation of the Development (ADV)

The Evaluation team performed each ADV evaluation activity and applied each ADV_FSP.1 CEM work unit. The evaluation team assessed the evaluation evidence and found it adequate to meet the requirements specified in the claimed Protection Profile for design evidence. The ADV evidence consists of the TSS descriptions provided in the ST and product guidance documentation providing descriptions of the TOE external interfaces.

The Validation team reviewed the work of the Evaluation team and found that sufficient evidence and justification was provided by the Evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the Evaluation team was justified.

9.3 Evaluation of the Guidance Documents (AGD)

The Evaluation team performed each guidance evaluation activity and applied each AGD work unit. The evaluation team determined the adequacy of the operational user guidance in describing how to operate the TOE in accordance with the descriptions in the ST. The Evaluation team followed the guidance in the TOE preparative procedures to test the installation and configuration procedures to ensure the procedures result in the evaluated configuration. The guidance documentation was assessed during the design and testing phases of the evaluation to ensure it was complete.

The Validation team reviewed the work of the Evaluation team and found that sufficient evidence and justification was provided by the Evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the Evaluation team was justified.

9.4 Evaluation of the Life Cycle Support Activities (ALC)

The Evaluation team performed each ALC evaluation activity and applied each ALC_CMC.1 and ALC_CMS.1 CEM work unit, to the extent possible given the evaluation evidence required by the claimed PP. The evaluation team ensured the TOE is labeled with a unique identifier consistent with the TOE identification in the evaluation evidence, and that the ST describes how timely security updates are made to the TOE.

The Validation team reviewed the work of the Evaluation team and found that sufficient evidence and justification was provided by the Evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the Evaluation team was justified.

9.5 Evaluation of the Test Documentation and the Test Activity (ATE)

The Evaluation team performed each test activity and applied each ATE_IND.1 CEM work unit. The Evaluation team ran the set of tests specified by the claimed PP and recorded the results in the Test Report, summarized in the AAR.

The Validation team reviewed the work of the Evaluation team and found that sufficient evidence and justification was provided by the Evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the Evaluation team was justified.

9.6 Vulnerability Assessment Activity (AVA)

The evaluation team performed each AVA evaluation activity and applied each AVA_VAN.1 CEM work unit. The evaluation team performed a vulnerability analysis following the processes described in the claimed PP. This comprised a search of public vulnerability databases.

The evaluation team performed a search of the National Vulnerability Database (<https://nvd.nist.gov/>).

Searches were performed on 30 March 2023, 16 May 2023 and 20 June 2023 using the following search terms:

- VMware Horizon
- Horizon Client
- Horizon Agent
- Horizon connection server
- VMware Photon
- VMware's BC-FJA (Bouncy Castle FIPS Java API) 1.0.2.3
- VMware's OpenSSL FIPS Object Module 2.0.20-vmw
- Third Party Libraries identified in Section A.2 of the Security Target

The Evaluation team determined that that no residual vulnerabilities exist that are exploitable by attackers with Basic Attack Potential.

The Validation team reviewed the work of the Evaluation team and found that sufficient evidence and justification was provided by the Evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the Evaluation team was justified.

9.7 Summary of Evaluation Results

The Evaluation team's assessment of the evaluation evidence demonstrates that the claims in the ST are met, sufficient to satisfy the assurance activities specified in the claimed PP. Additionally, the Evaluation team's testing also demonstrated the accuracy of the claims in the ST.

The Validation team's assessment of the evidence provided by the Evaluation team is that it demonstrates that the Evaluation team followed the procedures defined in the CEM, and correctly verified that the product meets the claims in the ST.

10 Validator Comments/Recommendations

The Validation team suggests that the consumer pay particular attention to the evaluated configuration of the TOE. As stated in the Clarification of Scope, the evaluated functionality is scoped exclusively to the SFRs specified in the Security Target, and the only evaluated functionality was that which was described by the SFRs claimed in the Security Target. All other functionality provided by the TOE needs to be assessed separately and no further conclusions can be drawn about its effectiveness.

The Validation team notes that the evaluated configuration is dependent upon the TOE being configured per the evaluated configuration instructions in *VMware Horizon Agent 8 2209 (Horizon 8.7) Common Criteria (CC) Evaluated Configuration Guide Version 1.0, May 17, 2023*. Of note is that the TOE does not have a management interface; configuration of the TOE must be performed by a different VMware component or by manipulating files in the underlying operating system. As noted in Section 6, consumers are encouraged to download the configuration guides from the NIAP website to ensure the device is configured as evaluated. No versions of the TOE and software, either earlier or later were evaluated.

Any additional customer documentation, not listed in Section 6, provided with the product, or that which may be available online, was not included in the scope of the evaluation and therefore should not be relied upon to configure or operate the TOE as evaluated.

11 Security Target

The ST for this product's evaluation is *VMware Horizon Agent 8 2209 (Horizon 8.7) Security Target*, Version 1.0, 17 May 2023.

12 Abbreviations and Acronyms

This section identifies abbreviations and acronyms used in this document.

CC	Common Criteria for Information Technology Security Evaluation
CCTL	Common Criteria Testing Laboratory
CEM	Common Evaluation Methodology
ETR	Evaluation Technical Report
IT	Information Technology
PCL	Product Compliant List
PP	Protection Profile
SAR	Security Assurance Requirement
SFR	Security Functional Requirement
ST	Security Target
TOE	Target of Evaluation
TSF	TOE Security Functions
TSS	TOE Summary Specification
VR	Validation Report

13 Bibliography

The validation team used the following documents to produce this VR:

- [1] *Common Criteria Project Sponsoring Organisations. Common Criteria for Information Technology Security Evaluation: Part 1: Introduction and general model*, Version 3.1, Revision 5, April 2017.
- [2] *Common Criteria Project Sponsoring Organisations. Common Criteria for Information Technology Security Evaluation: Part 2: Security functional components*, Version 3.1, Revision 5, April 2017.
- [3] *Common Criteria Project Sponsoring Organisations. Common Criteria for Information Technology Security Evaluation: Part 3: Security assurance requirements*, Version 3.1, Revision 5, April 2017.
- [4] *Common Criteria Project Sponsoring Organisations. Common Evaluation Methodology for Information Technology Security*, Version 3.1, Revision 5, April 2017.
- [5] *Protection Profile for Application Software*, Version 1.4, 07 October 2021.
- [6] *VMware Horizon Agent 8 2209 (Horizon 8.7) Security Target*, Version 1.0, 17 May 2023.
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