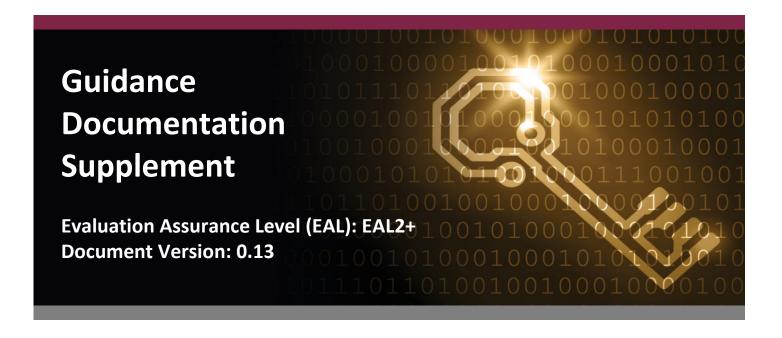
Nutanix, Inc.

Nutanix Cloud Platform

v6.8



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0.3	2024-06-28	Iain Holness	Updates due to ORs
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1. Introduction

The Target of Evaluation (TOE) is the Nutanix, Inc. (Nutanix) Nutanix Cloud Platform. The TOE is comprised of:

- Acropolis Operating System (AOS) v6.8
- Acropolis Hypervisor (AHV) v20230302.100173
- Prism Central (PC) pc.2024.2.0.6
- Flow Virtual Networking (FVN) v4.0.0
- Flow Network Security (FNS) v4.1.0
- Self-Service v3.8.1.1
- Files v5.0.0.1
- Objects v5.0
- Nutanix Database (NDB) v2.5.5

These are collectively referred to as the Nutanix Cloud Platform or NCP and will hereafter be referred to as the TOE throughout this document. A minimum of three hosts (either nodes or servers) that contain a copy of the TOE are combined to provide a High Availability (HA) cluster. This allows the TOE to be a unified solution for guest Virtual Machine (VM) management while eliminating administration overhead by removing the need for a separate storage network.

1.1 Purpose

This document provides guidance on the secure installation and secure use of the TOE for the Common Criteria Evaluation Assurance Level 2+ Evaluated Configuration. This document provides clarifications and changes to the Nutanix documentation and should be used as the guiding document for the installation and administration of the TOE in the Common Criteria-evaluated configuration. The official Nutanix documentation should be referred to and followed only as directed within this document. All Nutanix documentation listed in Table 1 is publicly available for download from the Nutanix Website at https://www.nutanix.com/trust/compliance-and-certifications/common-criteria-auditorevaluation.

Table 1 lists the guidance documents relevant to the installation and configuration of the TOE.

Short Document Name / SHA256 Hash Description Reference [AAAG] Nutanix Acropolis Advanced Administration Guide AOS 6.8 May 20, 2024 Contains information on how to maintain and configure the TOE. 7e9ce42c5933fbee919480060a8778749dbc3b178f3df3e3ad28d223dcb756c3 [AHV_GUIDE] AHV Administration Guide AHV 6.8 May 21, 2024 22a27e44757dcdea579ed9bab472c2e25026c777ed4809fe5197fbf580510409 [SEC_GUIDE] Security Guide AOS Security 6.8 May 17, 2024 Contains information on securing the TOE. bd8443f4dcc37f4457361419226a12fcebc9fa01f90839a0fad8c1358ac11259

Table 1 – TOE Guidance Documents

Short Reference	Document Name / SHA256 Hash	Description
[PC_ADMIN]	Prism Central Admin Center Guide Prism pc.2024.2 April 29, 2025 SHA256: fc0f50f96857201efc19dbada8b866988d67baf30a11da4ff1d361f0905ab21f	Contains information on how to use the web console.
[PC_INFRA]	Prism Central Infrastructure Guide Prism pc.2024.2 April 17, 2025 SHA256: 293846a93fc4f206cb34efda2f6e00971ea85d5048f12ca57ecf443b409ffdaf	Contains information on how to use the web console.
[API_REF_v1]	Acropolis v1 API ¹ Reference AOS 6.8 May 20, 2024 SHA256: 735167bc28b1e52e3b8b4ad265cee5bfea580e56a73ba38b339434b007d39412	Contains information on the v1 and v2 REST ² API interface.
[FVN_GUIDE]	Flow Virtual Networking Guide Flow Virtual Networking pc.2024.2 April 21, 2025 SHA256: 6417eb90eaf42cae533115e1e84a5cfbd57c73e72a4101b8bd92c5fdd04ea69a	Contains usage information for the Flow Virtual Networking TOE component
[FNS_GUIDE]	Flow Network Security Next-Gen Release version 4.1.x May 17, 2024 SHA256: a26ee6bff16f57c3a747af8d3d9c61f8e68789c71041d5be2c5ea783eb2025d7	Contains usage information for the Flow Network Security TOE component
[SS_GUIDE]	Self-Service Administration and Operations Guide Self-Service 3.8.1.1 May 26, 2025 SHA256: b0046cfb02b78d4ef5f01e8425b65aa3175fc927d39949b7623d2ca023cd8b7b	Contains usage information for the Self-Service TOE component
[FILES_GUIDE]	Nutanix Files User Guide Files 5.0 May 20, 2024 SHA256: 8af311a56d5bff53398bd3e694acd7576d9b332272cb8be8b7c1a0b782f8f199	Contains usage information for the Nutanix Files TOE component
[OBJECTS_GUIDE]	Objects User Guide Objects 5.0 May 20, 2024 SHA256: 3059c38ec199fd2da6276aa57f50a9854961350d94e0545c5f00768667cd4dcd	Contains usage information for the Nutanix Objects TOE component
[NDB_GUIDE]	Nutanix Database Service Administration Guide Nutanix Database Service (formerly Era) 2.5 March 15, 2024 SHA256: c194dfe9ea3c51fc03ad89af332cb1e5f971b8790aed187cd56262a1e210ee16	Contains usage information for the Nutanix Database Service TOE component
[REST_3]	Nutanix v3 API Reference SHA256: d3241823e8d28f98d7f517d559cd08e4c297345ed1185f54ae4dd2d43fc954d1	Contains information on the v3 REST API interface.
[REST_4]	Nutanix REST API v4 Document SHA256 : 20138769004404926ed7c504af1ecd4732755dbdca0d7067fc086ecf7da2c441	Contains information on the v4 REST API interface.
[PRISM_WEB]	Prism Element Web Console Guide, Prism 6.8, May 20, 2024 SHA256: 617373bf2c434017829f894f0dc48f9a6e91fbe0a77578492e6aaf4725ad5635	Contains usage information for the Prism Element interface
[AGD]	Nutanix Guidance Documentation Supplement v0.13, December 1, 2025 SHA256: See published hash on Nutanix Website	Common Criteria Administrative Guidance Supplement

Note: This document, the Nutanix Guidance Documentation Supplement v0.13, December 1, 2025, is also considered required reading and is part of the TOE. This document can be downloaded from the Nutanix website (https://www.nutanix.com/trust/compliance-and-certifications/common-criteria-auditorevaluation), and verified with the provided SHA256 hash on the downloads page. If you obtained this document from another source, please visit the link provided and verify the hash.

¹ API – Application Programming Interface

² REST – Representational State Transfer

1.2 Target Audience

The audience for this document consists of the end-user, the Nutanix development staff, the Common Criteria Evaluation Laboratory staff, and the Government Certifier.

1.3 Evaluated TOE Configuration

Figure 1 depicts the evaluation configuration of the TOE:

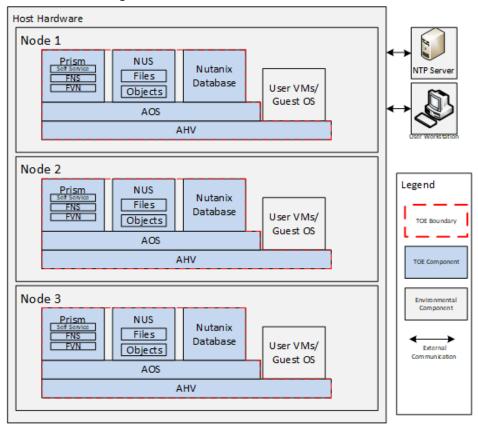


Figure 1 - Deployment Configuration of the TOE

As shown in Figure 1, the TOE comprises the following components of Nutanix Cloud Platform: AOS v6.8 and AHV v20230302.100173, as well as the Prism Central, Flow Network Security, Flow Virtual Networking, Self-Service, Files, Objects, and Nutanix Database services which run on AOS. Refer to the *Nutanix Cloud Platform v6.8 Security Target* for a complete description of these components.

The TOE is designed to run and store multiple guest VMs that offer virtualized services to end users. These VMs and the host hardware are considered to be environmental components. At least one guest VM must be running to make use to make use of the storage functionality provided by the TOE. Three hosts are required for the evaluated configuration.

1.4 Assumptions

The writers of this document assume the following:

• It is assumed that the TOE environment will be configured in such a way as to allow administrative users to access the information stored on the TOE.

- The network that the TOE uses for storage transfer is intended to be an internal private network that is
 protected from access by entities outside of the organization. External access to storage services are
 blocked by the TOE environment.
- It is assumed that administrative users accessing the storage on the TOE reside on the internal network and are not careless, negligent, or willfully hostile with regard to their access of the TOE.
- It is assumed that the TOE is located within a controlled access facility and is physically available to authorized administrative users only.
- It is assumed that the administrative users who manage the TOE are not careless, negligent, or willfully hostile, are appropriately trained, and follow all guidance.
- It is assumed that the administrators of the TOE's operating environment conduct proactive checking of all systems and media traversed by the communication between administrative systems and the TOE.
- It is assumed that the TOE environment will provide the time for the TOE from a reliable source.

2. Installation Procedure

This section describes the installation procedure notes and changes. As the installation is performed on the customer's premises by Nutanix Systems Engineers (SEs), this section describes only the procedures relevant to the following activities that the customer is expected to perform: confirm delivery of the TOE components, prepare the operational environment, verify the operational TOE, and complete any additional steps required to bring the TOE to its evaluated configuration.

2.1 Introduction

This section provides guidance for how to properly step through the installation instructions documented in the [AHV_GUIDE], along with additions and changes to the instructions contained therein, in order to allow the installer to properly install the evaluated configuration of the TOE.

2.2 Secure Installation

Note: Throughout this section, the reader will be instructed to read certain passages from referenced documents. Unless otherwise stated, such instructions refer to the [AHV_GUIDE]

2.2.1 Phase 1 – Initial Preparation

To prepare the operational environment, the following items will be needed and must be acquired before the Nutanix SE arrives on site for the installation:

- A general-purpose computer (GPC) used to access the TOE's storage and services. The workstation
 provides access to the TOE's Prism Central and Prism Element web consoles, REST API, and other
 management interfaces via an HTTPS³ connection. It should be running the following:
 - The latest version of a modern web browser such as:
 - Mozilla Firefox
 - Google Chrome
 - Apple Safari
 - Microsoft Edge
 - Microsoft Internet Explorer 11
 - A REST API client (such as Postman or Insomnia)
- Network infrastructure providing connectivity to the TOE (refer to the "Host Network Management" section of [AHV_GUIDE]).
- An NTP server that will provide a reliable time to the TOE.
- Confirmed delivery of the host hardware by verifying the shipment against the "Installed Configured Options" section on the shipping label of the package. The evaluated configuration of the TOE was tested

³ HTTPS – Secure Hypertext Transfer Protocol

on the three-node NX-3060N-G8⁴ hardware platform, however, the following host hardware models are considered to be equivalent, and are allowed in the evaluated configuration:

- o NX-1065-G8
- o NX-1065-G9
- NX-1065N-G8
- NX-1175S-G8
- o NX-1175S-G9
- o NX-3035-G9
- o NX-3060-G8
- o NX-3060-G9
- NX-3155G-G8
- o NX-3155GN-G8
- o NX-3155-G9
- o NX-3170-G8
- NX-3170N-G8
- o NX-8035-G8
- NX-8035N-G8
- o NX-8150-G8
- o NX-8150-G9
- NX-8150N-G8
- o NX-8155-G8
- o NX-8155N-G8
- o NX-8155-G9
- NX-8155A-G9
- o NX-8170-G8
- o NX-8170N-G8
- o NX-8170-G9

The *Nutanix AOS ANY Getting Started Guide NX Series* is delivered alongside the TOE hardware or can be downloaded from the Nutanix Portal. When setting up the 2U 3 node (2U3N) hardware for the TOE, the information about the 2U4N chassis in this document is used. This is because the same chassis is used for both setups except the 2U3N will not have the 4th node slot populated.

If a customer prefers to do the installation themselves, then they can proceed with the installation steps below after verifying receipt of the components listed above. If performing the host installation without the Nutanix SE, refer to the *Nutanix Foundation 5.4.x Field Installation Guide May 3, 2023*.

also referred to as the NX-3360N-G8, where the "3" in the place of the "0" denotes the three nodes of the platform

2.2.2 Phase 2 – Downloading and Installing the Software

2.2.2.1 TOE Component Version Checking

The TOE is delivered with the base AHV and AOS software pre-installed on the host hardware. Additional components are installed onsite by the Nutanix Support Engineer. The host hardware could be delivered with a version of AHV and AOS that is not the evaluated version. After the Nutanix Support Engineer concludes the installation of the TOE and its components, each of the components of Nutanix Cloud Platform (AOS, AHV, Prism Central, Flow Virtual Networking, Flow Network Security, Self-Service, Files, Objects, and Nutanix Database Service) must be inspected by the customer to determine that the correct, evaluated version of the software is installed. The version numbers for each component must match exactly with the version numbers listed in Section 1.

For Prism Central, AOS, Self-Service, Files, Objects, Flow Network Security, and Flow Virtual Networking, currently installed version numbers can be viewed in Prism Central by navigating to **Admin Center -> LCM -> Inventory.** If necessary, click **Perform Inventory** and wait for the operation to finish. Version numbers for Self-Service are listed under the "Calm" component name. Version numbers for Flow Virtual Networking are listed under the "Network Controller" component name.

The version number for AHV can be viewed by logging into Prism Element, selecting **LCM** from the dropdown menu, then selecting **Inventory** from the navigation bar. If necessary, click **Perform Inventory** and wait for the operation to finish. Once the operation is completed, the AHV version number is listed under the **AHV hypervisor** column.

The version number for NDB can be viewed at the top right of the dashboard in the NDB GUI.

If the components' versions are correct, the upgrade steps in the next section can be skipped.

2.2.2.2 Upgrading/Downgrading the TOE

In order to upgrade or downgrade the version currently running on the host, perform the following steps:

- 1. Run the Nutanix Cluster Checks (NCC) inside Prism Element by clicking on the dropdown list in the top left and selecting **Health**.
- 2. Click on the Actions dropdown list in the top right and select Run NCC Checks.
- 3. Select All Checks and click on the Run button.
- 4. If any of the checks report failed, warning, or error, resolve the reported issues before proceeding. If you are unable to resolve the issues, contact Nutanix support for assistance.
- 5. Once everything has passed, log into the Nutanix Support Portal at http://portal.nutanix.com, click on the menu bar in the top left, hover over the **Downloads** link, and choose **AOS**.
- 6. Click on the link to download the AOS v6.8 tar.gz and metadata files to a workstation.
- 7. Once the files have been downloaded, verify the SHA5256 hash of the tar.gz file against the SHA256 value listed at the end of the metadata file.
- 8. If the hashes match, log into Prism at https://<IP_Address>:9440/console to do the upload. If the hashes do not match, contact Nutanix support and report the issue.
- 9. Click the gear icon in the top right to go to the **Settings** page.
- 10. Click on **Upgrade Software**.

⁵ SHA – Secure Hash Algorithm

- 11. On the AOS page, click on the link to upload a software binary.
- 12. Click **Choose File** under **AOS BASE SOFTWARE METADATA FILE** and select the metadata file downloaded from the Support Portal.
- 13. Click **Choose File** under **AOS BASE SOFTWARE BINARY FILE** and select the tar.gz file downloaded from the Support Portal.
- 14. Make sure the option to overwrite the existing AOS base software binary file is unchecked. Click **Upload Now** to begin the upload.
- 15. When the upload process is completed, click on **Upgrade**, **Upgrade Now**, and then **Continue**.
- 16. Click on the **Yes** button when it asks to refresh the page.
- 17. Once the page has refreshed, click on the Hypervisor tab to upgrade AHV. Note that the files were uploaded as part of the AOS upload.
- 18. Click on Upgrade, Upgrade Now, and then Yes.
- 19. The process will be complete once the status reads "Successfully Upgraded Hypervisor 100%".

Note that by uploading the AOS files, the required AHV files are also uploaded and AHV is upgraded during the AOS upgrade. If there are any errors in the upgrade process, contact Nutanix support to help correct the errors. After the upload is complete, repeat the first set of steps to check the "CURRENT VERSION" for both components.

Once the software is on the correct version and the Nutanix SE has completed their duties, the password for the *admin* account must be changed. Preform the following steps to change a password:

- 1. Log into Prism at https://<IP Address>:9440/console.
- 2. Click on the user menu in the top right and click on **Change Password**.
- 3. The password complexity requirements are displayed and can be referenced in Section 3.1.1.
- 4. Click on the **Save** button to set the new password.

Additionally, the AHV password should be changed from its default value. Refer to the "Changing the Root User Password" section of the [AHV GUIDE] for steps on changing the password.

2.2.2.3 TOE Component Software Verification

Customers wishing to perform the setup of the TOE themselves must verify the validity of the TOE software before installation. Nutanix provides published MD5 hashes on their downloads site for each file. Table 2 below lists the filename and hash for each component:

Table 2 – TOE Component Software

Component	Filename	Hashes
AHV	ISO: AHV-DVD-x86_64- el8.nutanix.20230302.100173.iso	SHA256:05f392a5e02ddcac9b84d010715f4d2d993b87 b1430643e09524295e3a8282ff
	LCM ⁶ : lcm_ahv_el8.nutanix.20230302.100173.tar.gz	SHA256:0e41e56a772570c5bc50a4db393c479e7787cf a51fb5e52495813cfaff5f1315
AOS	Upgrade: nutanix_installer_package-release-fraser-6.8-stable-9b27c8bcb5fcaac58016f3bed74009655a157049-x86_64.tar.gz	SHA256: f8192c654ac45a714dc56d0532595c9dfa18bd c9183122d53b79b1daefa242db

⁶ LCM – Nutanix Lifecycle Manager

_

Component	Filename	Hashes
	LCM: lcm_nos_6.8.tar.gz	SHA256:b7b850d5fb8e90399b464b3422cb562720e686 195cd4a37c8edb977b4714fa36
Prism Central	Upgrade: pc.2024.2.0.6- e7141238ee6a3838cb87a1467496b119224bb219- x86_64.tar.gz	SHA256: b2731240c1d33b071c08b3d2699367cd71f8d7ab1610e 1c4bf5036c22bb2edc1
	LCM: lcm_pc_pc.2024.2.0.6.tar.gz	SHA256: bac961593477e6dcc8fcee00ebab59620340132657c58 cd0f25004133aa30d22
Flow Network Security	LCM: lcm_flow_pc_4.1.0.tar.gz	SHA256:565e17a2d1335c2c61e7093d1e14954b077ab4 a323b40b1af537a551f20871d2
Flow Virtual Networking	LCM: 4.0.0.tar.gz	SHA256: 14ebfe2139807a070b0ef4f04b7c0ab6cb2d534609a1d 267a609b0d9e6d11970
Files	Upgrade: nutanix-afs-el8.5-release-afs-5.0.0.1-stable-8da0965291d7453229238d58dc1abc3f09f4031d.qcow2	SHA256:86635e87ef0313606c1dcee5c9451a11a4 a6182cf8619e878544774f9bc140f7
	LCM: lcm_file_server_5.0.0.1.tar.gz	SHA256:72a4bbc00a17098c229a7fa794028cf736 e7a1588e9b12a705953a84e8ab438a
Objects	LCM: objects-5.0.tar.gz	SHA256: f6d8384aab4800a92c0b9fe9eda2ed87b2 368d5e2b88aff17e32dc633d1bc62b
Self-Service	Epsilon-3.8.1.1.zip	SHA256: f05b8af12c56daeeb7d2913417e8d90d76d5859cdecab a5368397d37714c5c78
Nutanix Database	Install: NDB-Server-build-2.5.5- e6a22438d6f5bdbda5f6c72e910e113d22655c6d.qcow2	SHA256:0b83d4c5b7b02e568b37d2a19470b039336c33 f9c7f023005131003e7ce3ef5e
	Upgrade: era_upgrade_bundle-2.5.5- e6a22438d6f5bdbda5f6c72e910e113d22655c6d.zip	SHA256:84fdca9a59319e9bfeff2540f8e045c2cbe916 269cfe16bca6548d9c63be7ea1

If the TOE is set up by a Nutanix Support Engineer, it is the responsibility of that engineer to verify the software according to Nutanix internal procedures before installation, and the customer can trust that the software is valid.

2.2.3 Phase 3 – Configuring the Software

2.2.3.1 Disabling IPMI⁷

In the evaluated configuration, IPMI is disabled. Record the original IP address used for IPMI as it will be needed later. Disable IPMI by setting its IP address to a non-routable one. This can be accomplished from the AHV SSH connection with the following command:

```
ipmitool lan set 1 ipsrc static
ipmitool lan set 1 ipaddr 0.0.0.0
ipmitool lan set 1 netmask 0.0.0.0
ipmitool lan set 1 defgw ipaddr 127.0.0.1
ipmitool lan set 1 bakgw ipaddr 127.0.0.1
ipmitool lan set 1 access off
```

⁷ IPMI – Intelligent Platform Management Interface

Once these commands have been run, an administrative user can run the ipmitool lan print command to verify the settings and attempt to ping the original IPMI IP address to confirm that it is disabled. Repeat the commands on each instance of AHV in the cluster.

2.2.3.2 **Configuring NTP Servers**

An NTP server is used to provide reliable timestamps for audit logging, by performing the following steps:

- 1. Log into Prism at https://<IP Address>:9440/console.
- 2. Click the gear icon in the top right to go to the Settings page.
- 3. Click on NTP Server in the Settings sidebar.
- 4. In the NTP Server textbox, type the name or IP address of the server and click the Add button.
- 5. Remove any other NTP servers by clicking the **x** icon next to their names.

Disable SNMP8 2.2.3.3

SNMP is disabled in the evaluated configuration by performing the following steps:

- 1. Log into Prism at https://<IP Address>:9440/console.
- 2. Click the gear icon in the top right to go to the Settings page.
- 3. Click on **SNMP** in the **Settings** sidebar.
- 4. Uncheck the **Enable for Nutanix objects** checkbox and Prism should automatically save the changes.

Disabling Remote SSH⁹ 2.2.3.4

The Prism Web Console Guide describes a feature that allows Nutanix remote support to SSH into the system to fix issues that might occur. The following steps disable this feature.

For Prism Element:

- 1. Log into Prism Element at https://<Prism Element IP Address>:9440/console.
- 2. Click the gear icon in the top right to go to the Settings page.
- 3. Click on **Remote Support** in the **Settings** sidebar.
- 4. If the text does not read "Remote support is currently disabled", select the **Disable** radio button and click on the **Save** button.
- 5. Click on **Cluster Lockdown** in the **Settings** sidebar.
- 6. On the Cluster Lockdown page, Uncheck the Enable Remote Login with Password box.
- 7. Click on the **OK** button to disable remote login.
- 8. Remove any public keys that have been added to prevent key-based authentication by clicking the x icon next to their names.

For Prism Central:

- 1. Log into Prism Central at https://<Prism Central IP Address>:9440/console.
- 2. Click on the drop-down menu in the top left corner. Select **Admin Center.**

⁸ SNMP - Simple Network Management Protocol

⁹ SSH - Secure Shell

- 3. Click the gear icon in the top right corner to go to the Settings page.
- 4. Click on **Cluster Lockdown** in the **Settings** sidebar.
- 5. On the **Cluster Lockdown** page, uncheck the

Ensure that no SSH keys are added while operating the TOE in the evaluated configuration.

2.2.3.5 Disabling SMTP¹⁰

The SMTP feature needs to be disabled in the evaluated configuration by performing the following steps:

- 1. Log into Prism at https://<IP_Address>:9440/console.
- 2. Click the gear icon in the top right to go to the Settings page.
- 3. Click on **SMTP Server** in the **Settings** sidebar.
- 4. If the fields are populated, click on the **Remove** button and then the **OK** button.
- 5. If the fields are not populated, leave them empty to keep SMTP disabled.

¹⁰ SMTP – Simple Mail Transfer Protocol

3. Administrative Guidance

This section provides additional guidance not found in the guides listed in Table 1. Any clarifications, exclusions, or additions are detailed here to allow the TOE Administrator to properly configure and maintain the evaluated configuration of the TOE. The TOE Administrator should have successfully completed the installation procedures listed in section 2 before applying the guidance found in sections 3.1 and 3.2.

3.1 Clarifications

This section clarifies how to use the security-relevant functions and interfaces described in the operational user guidance. Please note that acronyms Service Virtual Machine (SVM) and Controller Virtual Machine (CVM) that appear throughout Nutanix guidance documentation are synonymous.

3.1.1 Password Complexity Requirements

The following complexity requirements must be used when setting a new password for any TOE account: at least eight characters must be used.

3.1.2 User Roles and Permissions

The following roles exist for the Prism Central interface and are governed by the Role Based Access Control SFP and are available only in Prism Central:

- The Super Admin role provides all of the Prism Admin functionality plus the ability to manage authentication methods, create local accounts, and change local account passwords. Administrative users can assume multiple roles simultaneously.
- The **Prism Admin** role provides the ability to modify all settings excluding anything related to authentication and creating accounts, and managing recovery plans.
- The **Prism Viewer** role provides read-only access to all settings and cannot open the console on VMs.

Additionally, the following table defines additional roles and their purposes:

Table 3 - Additional roles

Roles	Purpose
Self-Service Admin	Super user / administrator for Self-Service
Consumer	Project role that launches new blueprints and runs actions on apps
Developer	Project role that creates / launches blueprints (RBAC rules), and runs actions on apps based on roles assigned in projects
Operator	Project role with minimum access and can only run actions against existing apps
Project Admin	Has full control of a project, which implements RBAC in Self-Service
VPC Admin	Manages VPC networking: create/update/delete networks
Files Admin	Administrator role for Files
Files Viewer	Auditor role for Files

Roles	Purpose
Flow Admin	Administrator role for Flow
Flow Viewer	Auditor role for Flow
Network Infra Admin	Manages the network infrastructure on the AHV network stack
Cluster Viewer	Auditor role for Clusters
Disaster Recovery Admin	Administrator role for Disaster Recover (DR) with access to DR operations
Disaster Recovery Viewer	Auditor role for Disaster Recovery
Objects Admin	Can view information, perform administrative tasks, and create or modify Objects
Objects Viewer	Auditor role for Objects
File Server Security Admin	All File Server security related permissions
File Server Share Admin	All File Server security related permissions
Monitoring Admin	Full access to perform all Monitoring operations
Monitoring Viewer	View access to all API in Monitoring
Action Service User	Basic Playbook access for all users
Category Viewer	View access for category object
Category Admin	Full access for category object
CSI System	Full access for Kubernetes cluster infrastructure resources for CSI
Kubernetes Data Services System	Full access for Kubernetes cluster infrastructure resources for Kubernetes Data Services
Kubernetes Infrastructure Provision	Access for Kubernetes cluster infrastructure VMs resources
Storage Admin	Storage admin of a Nutanix deployment. This user can view and perform actions on Storage entities.
Storage Viewer	View access for Storage entities.
Objects Editor	Edit access to Object store operations.
Flow Policy Author	Full Access to flow operations, except categories provisioning
Virtual Machine Viewer	View access for Virtual Machines.
Virtual Machine Operator	Gives access for day-to-day activities on Virtual Machines.
Virtual Machine Admin	Full access to Virtual Machines.

The Prism Element interface offers the following roles: User Admin, Cluster Admin, Backup Admin, and Viewer. All Prism Element accounts have the Viewer role by default and can be assigned to multiple roles. The permissions of each role are as follows:

• **Cluster Admin** allows the user to view information and perform any administrative task (but not create or modify user accounts).

- User Admin allows the user to view information, perform any administrative task, and create or modify
 user accounts. (Checking this box automatically selects the Cluster Admin box to indicate that this user
 has full permissions. However, a user administrator has full permissions regardless of whether the
 Cluster Admin box is checked.)
- Backup Admin allows the user to perform backup-related administrative tasks. This role does not have permission to perform cluster or user administrative tasks.

Leaving all the boxes unchecked assigns the **Viewer** role, which allows the user to view information, but it does not provide permission to perform cluster or user-administrative administrative tasks.

The NDB management interfaces include the following roles:

- Super Administrator
- Infrastructure administrator
- Database administrator
- Database infrastructure administrator

NDM users are associated with these roles when accessing NDB management interfaces.

3.1.3 Default Accounts

The TOE has two local default accounts: admin and Nutanix. Both of these accounts possess the Super Admin role that give them management access to all of the TOE's SFR-related functionality. Either account can be used to configure the TOE since they both have the Super Admin role and can access the same areas of the TOE. The Nutanix account is only needed for legacy support with programs from the environment and must be disabled while in the evaluated configuration.

3.1.4 IPMI Usage

In the TOE's evaluated configuration, IPMI is disabled. Any references to enabling IPMI in the guidance documentation should be omitted. It is important to note that enabling IPMI will remove the TOE from the evaluated configuration and it will not be considered the CC certified product because it provides functionality that has not been tested.

3.1.5 Nutanix Cmdlets Client Usage

In the TOE's evaluated configuration, the Nutanix Cmdlets client, which is downloaded from either Prism Element or Prism Central, should not be used.

3.1.6 TOE Modes of Operation

The TOE has one mode of operation in the evaluated configuration.

3.2 Exclusions

Please refer to the *Nutanix, Inc. Nutanix Cloud Platform v6.8 Security Target* for a list of features and functionalities that have been scoped out of this Common Criteria evaluation.

4. Acronyms

Table 4 defines the acronyms used throughout this document.

Table 4 – Acronyms

Acronym	Definition	
AHV	Acropolis Hypervisor	
AOS	Acropolis Operating System	
АРІ	Application Programming Interface	
CVM	Controller Virtual Machine	
EAL	Evaluation Assurance Level	
GCP	General Purpose Computer	
НА	High Availability	
HTTPS	Secure Hypertext Transfer Protocol	
IP	Internet Protocol	
IPMI	Intelligent Platform Management Interface	
nCLI	Nutanix Command Line Interface	
NTP	Network Time Protocol	
REST	Representational State Transfer	
SE	System Engineer	
SHA	Secure Hash Algorithm	
SMTP	Simple Mail Transfer Protocol	
SNMP	Simple Network Management Protocol	
SSH	Secure Shell	
SVM	Service Virtual Machine	
TOE	Target of Evaluation	
VM	Virtual Machine	

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