Tenable One Asset Categorization

Quick Reference Guide
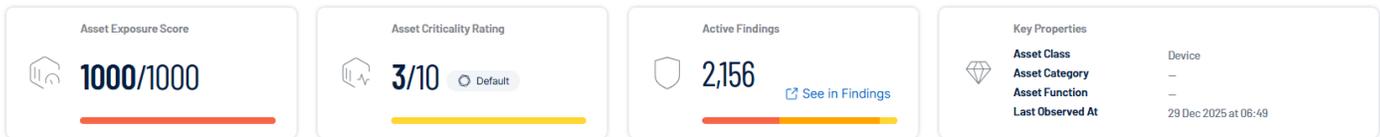
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Table of Contents

Welcome to the Tenable One Asset Categorization Quick Reference Guide

Last updated: February 02, 2026

Asset categorization is a framework that can be used to classify assets in a network. The first phase focuses on asset classification while future phases will provide richer context about the asset; e.g. asset ownership, administration and location. The framework is designed to be transparent, extendable, and explainable and to produce a holistic ("global") category of an asset.

In the Tenable Exposure Management user interface, you can view the profile of an asset via the Asset Details page.

Asset Exposure Score	Asset Criticality Rating	Active Findings	Key Properties	
1000/1000	3/10 ◯ Default	2,156 ⤴ See in Findings	Asset Class	Device
			Asset Category	–
			Asset Function	–
			Last Observed At	29 Dec 2025 at 06:49

Framework

Where possible, each asset is assigned an **Asset Category** and an **Asset Function**. A category is meant to answer the question: "What is this asset?".

In the current framework, each asset belongs to only one of the following categories:

- Cloud

- Compute and Application Server

- Compute and Application Server VM

- Healthcare

- Internet of Things

- Legacy device

- Network Infrastructure

- Network Infrastructure VM

- Operational Technology

- Peripheral

- Personal Computing

- Telecomm

- Undefined

- VM or Workload

A category captures the fundamental similarity between all assets that belong to the category and can be used for clustering. While the category label captures fundamental similarity between the assets in a category, the different asset functions within the category capture the fundamental differences between the assets in the category.

Asset functions answer the question: "What does the asset do? Or what functionality does it provide?"

Each asset can have one or more function labels as assets can be multi-functional. Assets within a functionality label share fundamentally similar attributes. Additionally, each Asset Category includes a set of Asset Function labels. For more information, see Asset Categories and Functions.

Asset Categories and Functions

The following table displays each available asset category as well as the asset functions available within the category.

Asset Category	Asset Function
NI — Network Infrastructure	- DHCP — Dynamic Host Configuration Protocol server - DNS — Domain Name System server - DS — Directory Service protocol (LDAP, GC, etc.) server - FIREWALL_NGFW — Firewall and Next Generation Firewall - HV_HCI — Hypervisors and Hyperconverged Infrastructure - INFRASTRUCTURE_MANAGEMENT — KVM switch, and integrated remote access controllers,UPSs, Network shutdown modules, etc. - LOAD_BALANCER — Traffic load balancer - NETWORK_GEAR — Network switch or router
NI_VM — Network Infrastructure VM	- DOMAIN_CONTROLLER — Server responsible for user authentication and access authorization - SAN_NAS — Storage Area Network and Network Attached Storage server - SDN — Software Defined Network server - SSE — Secure Service Edge server - VPN — Virtual Private Network server - NTP — Network Time protocol server - ROUTER_SWITCH_WAP — Small router, switch, and wireless access point device
CAS — Compute and Application Server	- AC — Aggregator and concentrator - BIP — Business Intelligence platform

- CMS — Content Management System

- DATABASE — Database Management System

- EAM — Enterprise Asset Management system

- FBCR_DP — File backup, cashing, replication, and data protection server

- GIS — Geographical Information System

- IAM — Identity and Access Management system

- IRM — IT Risk Management system

- ITSM — IT Service Management system

- MAIL — Email system

- MAINFRAME — Mainframe computer

- MIS — Middleware and Integration server

- MQM — Message Queue Management server

- NGINX — Reverse proxy, load balancing, and caching server

- NMM — Network Management and Monitoring server

- RM — Repository Manager

- SCA — Security Control Application

- UEM — Unified Endpoint Management system

- IGA — Information Governance Application

- CAM — Cloud Application Management

- DPP — Data Pipeline Platform

- VCS — Version Control System

- WCT — Wiki and Collaboration Tool server

- WEB — Web Application server

- PROXY — Proxy server

- SMP — Security Management Portal

- UNDEFINED — Server with unknown functionality

CAS_VM — Compute and Application Server VM	-
CLOUD — Cloud	• AWS_INSTANCE — Amazon compute environment • AZURE_INSTANCE — Azure compute environment • GCP_INSTANCE — Google compute environment
PCD — Personal Computing	• LAPTOP_DESKTOP — Personal laptop or desktop • MOBILE_DEVICE — Personal mobile device • STATELESS_ENDPOINT — Thin or zero client device • VM — Virtual machine with a host operating system typically used for personal computing devices.
IOT — Internet of Things	• CAMERA_SURVEILLANCE — Camera and surveillance equipment • GATEWAY — Management server of IoT devices and applications • MEDIA_DEVICE — Smart media device • POINT_OF_SALE_DEVICE — Point of Sale Device (POS) • SMART_DEVICE_SENSOR — Multifunction IoT device
PERIPHERAL — Peripheral	• FAX — Fax device • PLOTTER — Large format printer or plotter • PRINTER — Printer
TELECOM_DEVICE — Telecomm	• PHONE — Phone or VoIP phone device • TELECOM_SYSTEM — Telecommunication systems, PBX systems, etc • VCE — Video Conferencing Equipment and servers

	• VOIP_GW_ADAPTER — VoIP gateway adapter • ANTENNA — Distributed Antenna Arrays, etc.
HEALTHCARE_DEVICE — Healthcare	BP_MONITOR — Blood Pressure monitor
OT_IIOT — Operational Technology	• PLC — Programmable Logic Controller • SERIAL_DEVICE — Serial device • RTOS_EOS — Realtime & Embedded Operating System • GRAPHICS_TERMINAL — Graphics Terminal • RELAY — Relay • BMS — Building Management Systems (BacNET) • OT_DEVICE — Operational technology device • OT_SERVER — OT server, historian, HMI • SIEMENS_DEVICE — Siemens protocol supported device • MOXA_DEVICE — Moxa device • TRIMBLE_DEVICE — Trimble protocol supported device • MODBUS PROTOCOL — Modbus protocol supported device • OPC_UA PROTOCOL — OPC-UA protocol supported device • DNP_3 PROTOCOL — DNP-3 protocol supported device • CRIMSON PROTOCOL — Red Lion Crimson 3 device • SIEMENS_S7 PROTOCOL — Siemens-S7 protocol supported device • OMRON_FINS PROTOCOL — OMRON Fins protocol supported device • PANASONIC_CONTROL PROTOCOL — Panasonic Control Station • PROFINET PROTOCOL — Profinet protocol supported device

LEGACY — Legacy device	• SAN_NAS — Legacy Storage Area Network and Network Attached Storage devices
	• WINDOWS_2000 — Microsoft Windows 2000 system
	• WINDOWS_3 — Microsoft Windows 3.* system
	• WINDOWS_95 — Microsoft Windows 95 system
	• WINDOWS_98 — Microsoft Windows 98 system
	• WINDOWS_ME — Microsoft Windows ME system
	• WINDOWS_NT — Microsoft Windows NT system
	• WINDOWS_VISTA — Microsoft Windows Vista system
	• WINDOWS_XP — Microsoft Windows XP system
	• WINDOWS_SERVER_2003 — Microsoft Windows Server 2003 system
	• WINDOWS_SERVER_2008 — Microsoft Windows Server 2008 system
	• WINDOWS_SERVER_2012 — Microsoft Windows Server 2012
	• WINDOWS_SERVER_2011 — Microsoft Windows Small Business Server 2011
	• VM — Virtual Machine running a legacy operating system
VM_WORKLOAD — VM or Workload	• PCD-OS Workload device running OS typically used for PCD devices
	• Undefined
	Note: The VM_WORKLOAD category can contain any asset function labels from CAS, NI, management servers for IoT, OT-IIoT, etc.
UNDEFINED — Unknown device	Undefined