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Terminology for Security Assessment draft-dbh-sacm-terminology-00

Abstract

This memo documents terminology used in the documents produced by the SACM WG (Security Automation and Continuous Monitoring).

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[1.](#) Introduction

Our goal with this document is to improve our agreement on the terminology used in documents produced by the IETF Working Group for Security Automation and Continuous Monitoring. Agreeing on terminology should help reach consensus on which problems we're trying to solve, and propose solutions and decide which ones to use.

This document is expected to be temporary work product, and will probably be incorporated into the architecture or other document.

[2.](#) Terms and Definitions

assessment

Defined in [[RFC5209](#)] as "the process of collecting posture for a set of capabilities on the endpoint (e.g., host-based firewall) such that the appropriate validators may evaluate the posture against compliance policy."

Within this document the use of the term is expanded to support other uses of collected posture (e.g. reporting, network enforcement, vulnerability detection, license management). The phrase "set of capabilities on the endpoint" includes: hardware and software installed on the endpoint."

asset

Defined in [[RFC4949](#)] as "a system resource that is (a) required to be protected by an information system's security policy, (b) intended to be protect by a countermeasure, or (c) required for a system's mission.

attribute

Defined in [[RFC5209](#)] as "data element including any requisite meta-data describing an observed, expected, or the operational status of an endpoint feature (e.g., anti-virus software is currently in use)."

endpoint

Defined in [[RFC5209](#)] as "any computing device that can be connected to a network. Such devices normally are associated with a particular link layer address before joining the network and potentially an IP address once on the network. This includes: laptops, desktops, servers, cell phones, or any device that may have an IP address."

Network infrastructure devices (e.g. switches, routers, firewalls), which fit the definition, are also considered to be endpoints within this document.

Based on the previous definition of an asset, an endpoint is a type of asset.

posture

Defined in [[RFC5209](#)] as "configuration and/or status of hardware or software on an endpoint as it pertains to an organization's security policy."

This term is used within the scope of this document to represent the state information that is collected from an endpoint (e.g. software/hardware inventory, configuration settings).

posture attributes

Defined in [[RFC5209](#)] as "attributes describing the configuration or status (posture) of a feature of the endpoint. For example, a Posture Attribute might describe the version of the operating system installed on the system."

Within this document this term represents a specific assertion about endpoint state (e.g. configuration setting, installed software, hardware). The phrase "features of the endpoint" refers to installed software or software components.

system resource

Defined in [[RFC4949](#)] as "data contained in an information system; or a service provided by a system; or a system capacity, such as processing power or communication bandwidth; or an item of system equipment (i.e., hardware, firmware, software, or documentation); or a facility that houses system operations and equipment.

2.1. Requirements Language

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](#) [[RFC2119](#)].

3. IANA Considerations

This memo includes no request to IANA.

4. Security Considerations

This memo documents terminology for security automation. While it is about security, it does not affect security.

5. Acknowledgements

6. Change Log

6.1. -00- draft

7. References

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