

- Open Vulnerability and Assessment Language - Element Dictionary

- Schema: IOS System Characteristics
- Version: 5.2
- Release Date: 31 January 2007

The following is a description of the elements, types, and attributes that compose the IOS specific system characteristic items found in Open Vulnerability and Assessment Language (OVAL). Each item is an extension of the standard item element defined in the Core System Characteristic Schema. Through extension, each item inherits a set of elements and attributes that are shared amongst all OVAL Items. Each item is described in detail and should provide the information necessary to understand what each element and attribute represents. This document is intended for developers and assumes some familiarity with XML. A high level description of the interaction between the different tests and their relationship to the Core System Characteristic Schema is not outlined here.

The OVAL Schema is maintained by The Mitre Corporation and developed by the public OVAL Community. For more information, including how to get involved in the project and how to submit change requests, please visit the OVAL website at <http://oval.mitre.org>.

< global_item >

Stores information about the existence of a particular line in the ios config file under the global context

| Child Elements | Type | MinOccurs | MaxOccurs |
|----------------|------------------------------|-----------|-----------|
| global_command | oval-sc:EntityItemStringType | 0 | 1 |

< interface_item >

| Child Elements | Type | MinOccurs | MaxOccurs |
|----------------------------------|------------------------------|-----------|-----------|
| name | oval-sc:EntityItemStringType | 0 | 1 |
| ip_directed_broadcast_command | oval-sc:EntityItemStringType | 0 | 1 |
| no_ip_directed_broadcast_command | oval-sc:EntityItemStringType | 0 | 1 |
| proxy_arp_command | oval-sc:EntityItemStringType | 0 | 1 |
| shutdown_command | oval-sc:EntityItemStringType | 0 | 1 |

< line_item >

Stores the properties of specific lines in the ios config file.

| Child Elements | Type | MinOccurs | MaxOccurs |
|-----------------|------------------------------|-----------|-----------|
| show_subcommand | oval-sc:EntityItemStringType | 0 | 1 |
| config_line | oval-sc:EntityItemStringType | 0 | 1 |

< snmp_item >

Stores results from collecting lines under the global context associated with snmp.

| Child Elements | Type | MinOccurs | MaxOccurs |
|----------------|------------------------------|-----------|-----------|
| access_list | oval-sc:EntityItemStringType | 0 | 1 |
| community_name | oval-sc:EntityItemStringType | 0 | 1 |

< tclsh_item >

The tclsh item holds information about the availability of tcl on the IOS operating system. It extends the standard ItemType as defined in the oval-system-characteristics schema and one should refer to the ItemType description for more information.

| Child Elements | Type | MinOccurs | MaxOccurs |
|----------------|----------------------------|-----------|-----------|
| available | oval-sc:EntityItemBoolType | 0 | 1 |

< version_item >

The version item holds information about the version of the IOS operating system. It extends the standard ItemType as defined in the oval-system-characteristics schema and one should refer to the ItemType description for more information.

| Child Elements | Type | MinOccurs | MaxOccurs |
|------------------|--|-----------|-----------|
| major_release | oval-sc:EntityItemStringType | 0 | 1 |
| train_number | oval-sc:EntityItemStringType | 0 | 1 |
| train_identifier | ios-sc:EntityItemTrainIdentifierType | 0 | 1 |
| version_string | oval-sc:EntityItemStringType | 0 | 1 |

== EntityItemTrainIdentifierType ==

The EntityTrainIdentifierType restricts a string value to a specific set of values that describe the different types of trains in a Cisco IOS release. The empty string is also allowed to support empty element associated with error conditions.

| Value | Description |
|----------|-------------|
| mainline | |
| T | |
| S | |
| E | |
| B | |