

# - Open Vulnerability and Assessment Language - Element Dictionary

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

This document outlines the items of the OVAL System Characteristics XML schema that are independent of any specific family or platform. Each item is an extension of a basic System Characteristics item defined in the core System Characteristics XML schema.

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>.

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## < family\_item >

This element stores high level system OS type, otherwise known as the family.

Child Elements	Type	MinOccurs	MaxOccurs
family	<a href="#">ind-sc:EntityItemFamilyType</a>	0	1

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## < filemd5\_item >

This element stores md5 hash associated with a specific file.

This item has been deprecated. You should use the `filehash_item` instead. This item will be dropped in the major release of OVAL.

Child Elements	Type	MinOccurs	MaxOccurs
path	oval-sc:EntityItemStringType	0	1
filename	oval-sc:EntityItemStringType	0	1
md5	oval-sc:EntityItemStringType	0	1

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## < filehash\_item >

This element stores the different hash values associated with a specific file.

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Child Elements	Type	MinOccurs	MaxOccurs
path	oval-sc:EntityItemStringType	0	1
filename	oval-sc:EntityItemStringType	0	1
md5	oval-sc:EntityItemStringType	0	1
sha1	oval-sc:EntityItemStringType	0	1

### < environmentvariable\_item >

This item stores information about environment variables and their values.

Child Elements	Type	MinOccurs	MaxOccurs
name	oval-sc:EntityItemStringType	0	1
value	oval-sc:EntityItemAnyType	0	1

### < textfilecontent\_item >

The textfilecontent item looks at the contents of a text file (aka a configuration file) by looking at individual lines.

Child Elements	Type	MinOccurs	MaxOccurs
path	oval-sc:EntityItemStringType	0	1
filename	oval-sc:EntityItemStringType	0	1
line	oval-sc:EntityItemStringType	0	1
subexpression	oval-sc:EntityItemStringType	0	unbounded

### < variable\_item >

This item stores information about OVAL Variables and their values.

Child Elements	Type	MinOccurs	MaxOccurs
var_ref	<a href="#">ind-sc:EntityItemVariableRefType</a>	0	1
value	oval-sc:EntityItemStringType	0	unbounded

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## < xmlfilecontent\_item >

This item stores results from checking the contents of an xml file.

Child Elements	Type	MinOccurs	MaxOccurs
path	oval-sc:EntityItemStringType	0	1
filename	oval-sc:EntityItemStringType	0	1
xpath	oval-sc:EntityItemStringType	0	1
value_of	oval-sc:EntityItemStringType	0	1

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## == EntityItemFamilyType ==

The EntityItemFamilyType complex type defines a string entity value that is restricted to a set of enumerations. Each valid enumeration is a high-level family of system operating system.

Value	Description
ios	
macos	
unix	
windows	

## == EntityItemVariableRefType ==

The EntityItemVariableRefType complex type defines a string item entity that has a valid OVAL variable id as the value.