

# - Open Vulnerability and Assessment Language - Element Dictionary

- Schema: Independent System Characteristics
- Version: 5.3
- Release Date: 6/22/2007 11:17:47 AM

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	ind-sc:EntityItemFamilyType	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.

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

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### < 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

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### < sql\_item >

The sql\_item outlines information collected from a database via an SQL query.

Child Elements	Type	MinOccurs	MaxOccurs
engine	oval-sc:EntityItemStringType	0	1
version	oval-sc:EntityItemStringType	0	1
connection_string	oval-sc:EntityItemStringType	0	1
sql	oval-sc:EntityItemStringType	0	1
result	oval-sc:EntityItemAnyType	0	unbounded

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### < 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:EntityItemAnyType	0	unbounded

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### < variable\_item >

This item stores information about OVAL Variables and their values.

Child Elements	Type	MinOccurs	MaxOccurs
var_ref	ind-sc:EntityItemVariableRefType	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

### == EntityItemEngineType ==

The EntityItemEngineType complex type defines a string entity value that is restricted to a set of enumerations. Each valid enumeration is a valid database engine.

Value	Description
access	

db2
cache
firebird
firstsql
foxpro
informix
ingres
interbase
lightbase
maxdb
monetdb
mimer
oracle
paradox
pervasive
postgre
postgre
sqlbase
sqlite
sqlserver
sybase

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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	
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**== EntityItemVariableRefType ==**

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