



MAIware **C**ontent **E**ditor

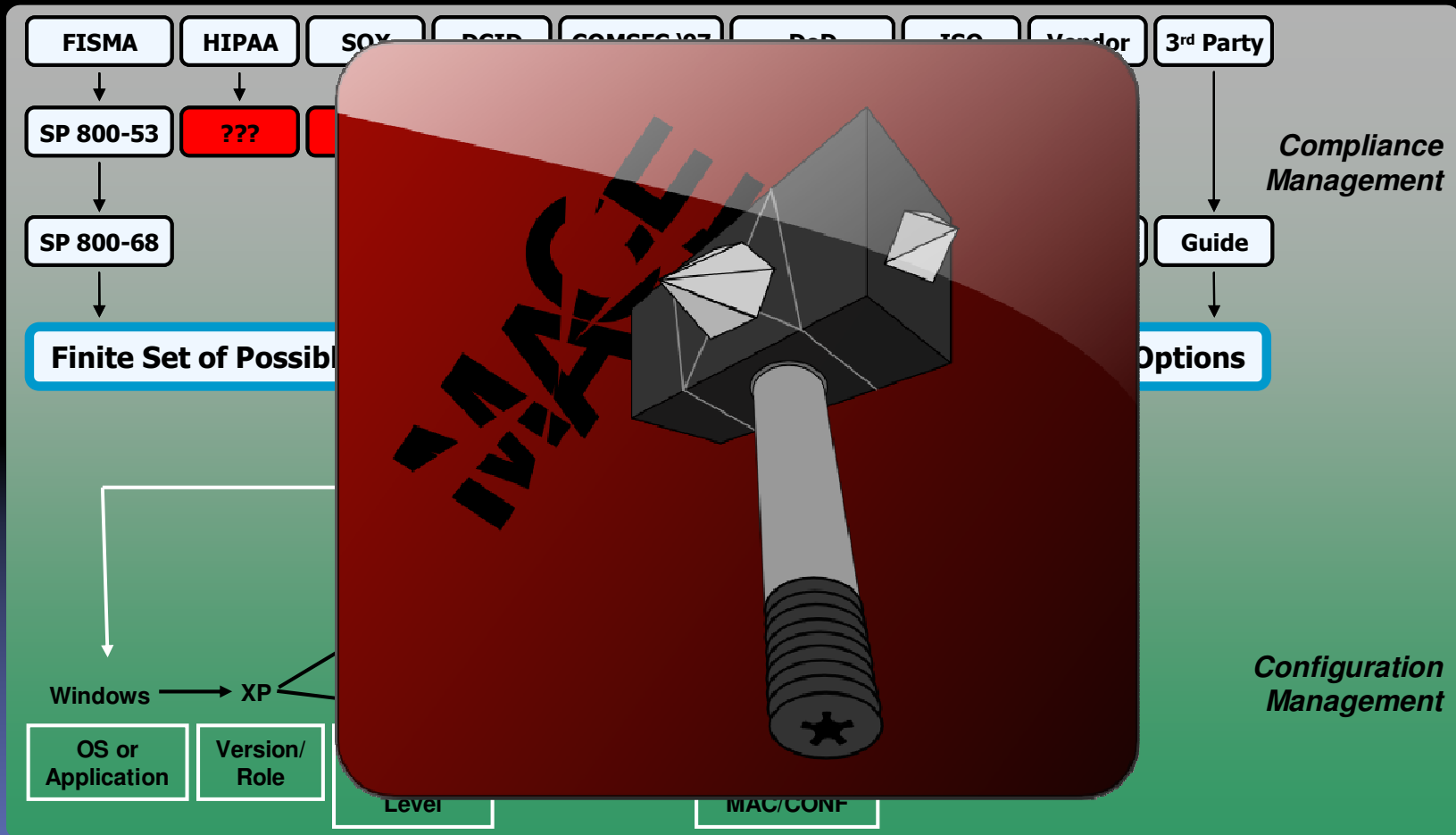


Acronyms

CCE	Common Configuration Enumeration
CPE	Common Platform Enumeration
CVE	Common Vulnerabilities and Exposures
CVSS	Common Vulnerability Scoring System
FIPS	Federal Information Processing Standard
FISMA	Federal Information Security Management Act
NIST	National Institute of Standards and Technology
NVD	National Vulnerability Database
OVAL	Open Vulnerability Assessment Language
SCAP	Security Content Automation Protocol
XCCDF	eXtensible Checklist Configuration Description Format
XML	Extensible Markup Language

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We're not trying to bring a bolt in' bad Compliance Management here.



XCCDF & OVAL for Compliance



XCCDF

OVAL



The OVAL language

- A collection of XML schema for representing system information, expressing specific machine states, and reporting the results of an assessment.¹

¹ <http://oval.mitre.org/>

Malware Example

When executed, the worm copies itself as the following files:

`%System%\jushed.exe`

`%System%\java2.exe`

`%Windir%\jvm.exe`

It then creates the following files, which are copies of packed.Generic.238:

`%System%\SKYNET[RANDOM LETTERS].dll`

`%System%\SKYNET[RANDOM LETTERS].dll`

`%System%\drivers\SKYNE[RANDOM LETTERS].sys`

It creates the following clean files:

`%Windir%\java.ini`

`%System%\SKYNET[RANDOM LETTERS].dat`

`%System%\SKYNETlog.dat`

Malware Example

It then creates the following registry entries so that it runs every time Windows starts:

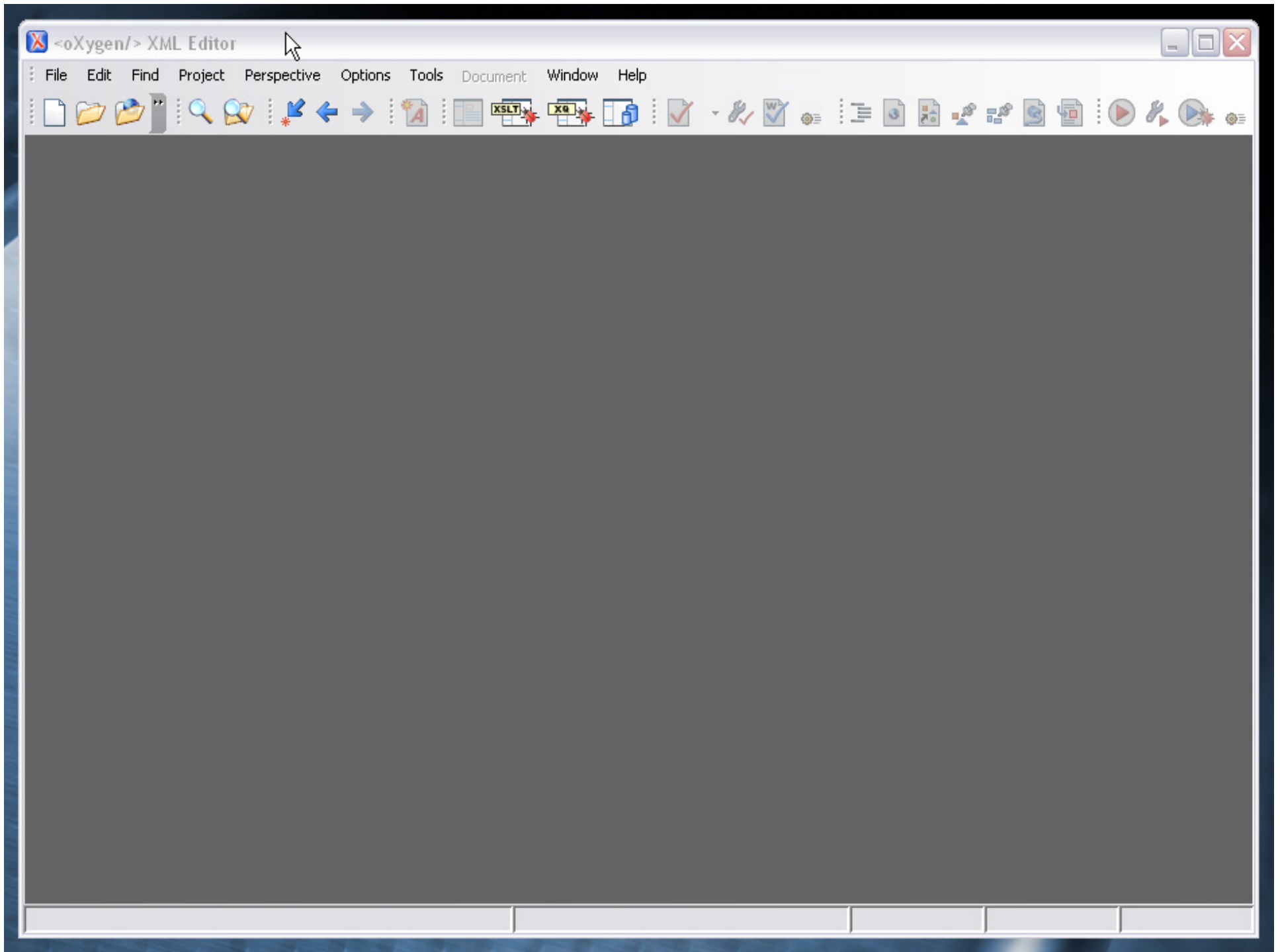
```
HKEY_CURRENT_USER\Software\Microsoft\Windows  
  \CurrentVersion\Policies\Explorer\Run  
  "Windows Audio Services" = "%Windir%\jvm.exe"
```

```
HKEY_CURRENT_USER\Software\Microsoft\Windows  
  \CurrentVersion\Run\SunJavaUpdateSched10" =  
  "%System%\jushed.exe"
```

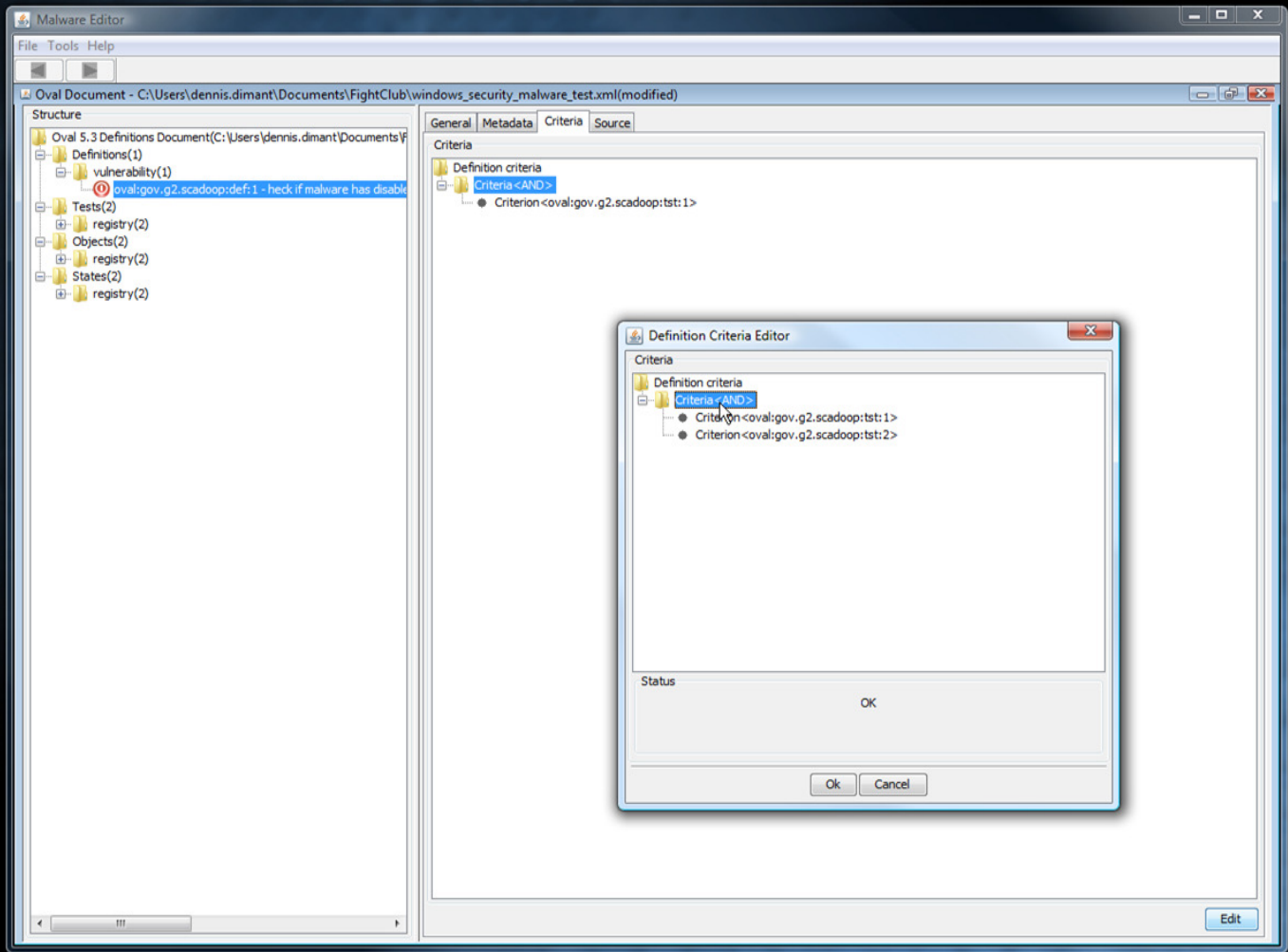
```
HKEY_CURRENT_USER\Software\Microsoft\Windows  
  \CurrentVersion\Run\Windows Audio Services" =  
  "%Windir%\jvm.exe"
```

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Active  
  Setup\Installed Components  
  \{151B67MA-E28T-45KF-0030-8801XS8WIF5J}\StubPath"  
  = "\"%Windir%\jvm.exe\""
```

Using an XML editor to create content



Using the advanced MACE editor to create content



Using the MACE wizard to create content

Malware Editor(Wizard Mode)

What would you like to create?

File(windows) - Creates file/directory related content.

File(unix) - Creates file/directory related content.

Registry - Creates windows registry related content.

Target OVAL version
OVAL_53

OVAL Namespace Identifier
g2.scap.com



Contact Information

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