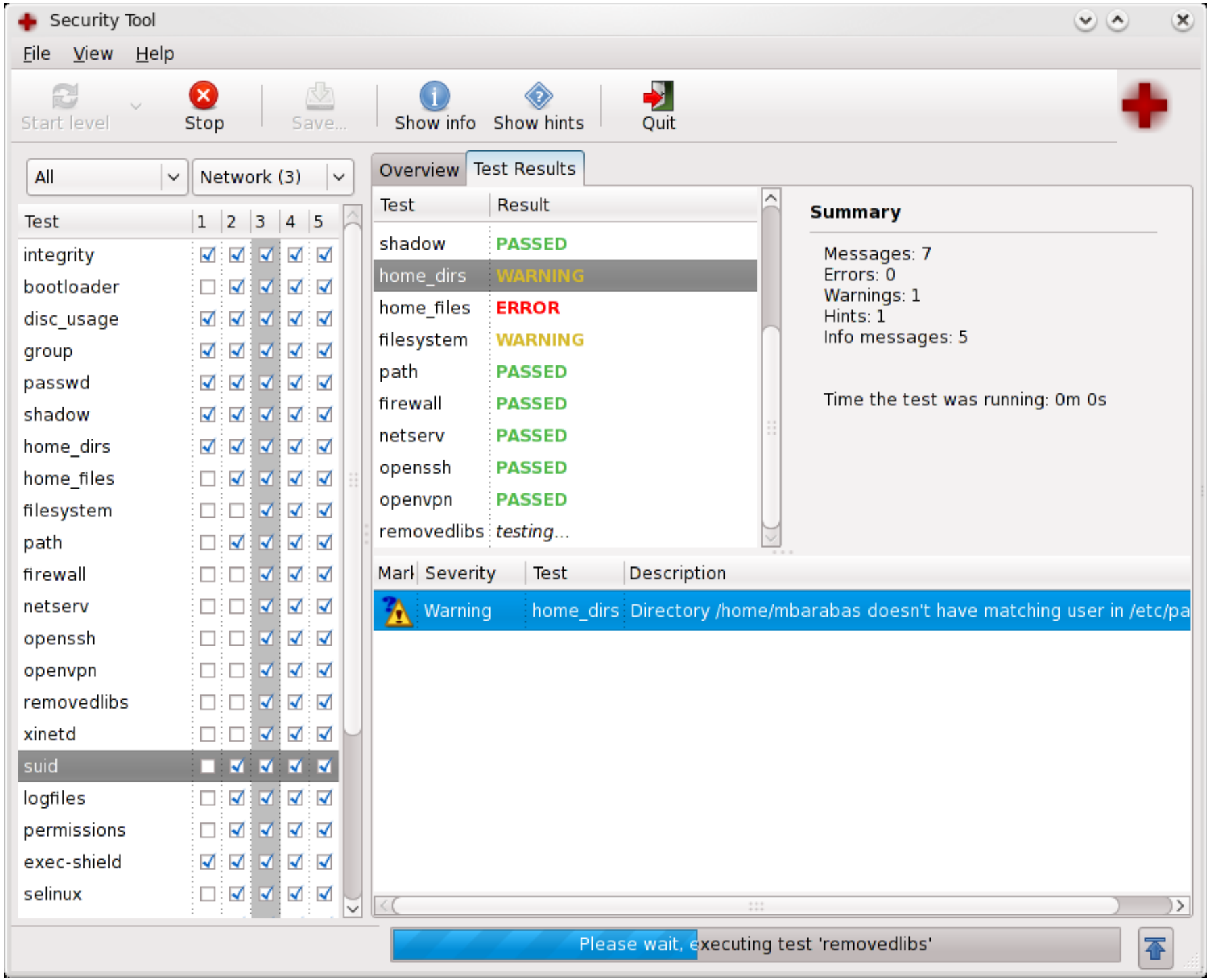
How will we obsolete sectool?

(Script Check Engine for XCCDF)

Martin Preisler, Peter Vrabec

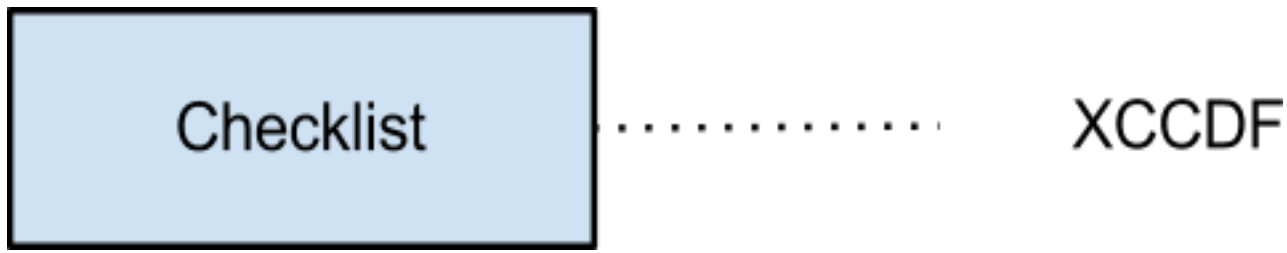
What is sectool?


Security Tool
File View Help
Start level
Stop
Save...
Show info
Show hints
Quit
All
Network (3)
Test 1 2 3 4 5
integrity
bootloader
disc_usage
group
passwd
shadow
home_dirs
home_files
filesystem
path
firewall
netserv
openssh
openvpn
removedlibs
xinetd
suid
logfiles
permissions
exec-shield
selinux
Overview
Test Results
Test Result
shadow PASSED
home_dirs WARNING
home_files ERROR
filesystem WARNING
path PASSED
firewall PASSED
netserv PASSED
openssh PASSED
openvpn PASSED
removedlibs testing...
Summary
Messages: 7
Errors: 0
Warnings: 1
Hints: 1
Info messages: 5
Time the test was running: 0m 0s
Mark Severity Test Description
Warning home_dirs Directory /home/mbarabas doesn't have matching user in /etc/pa
Please wait, executing test 'removedlibs'

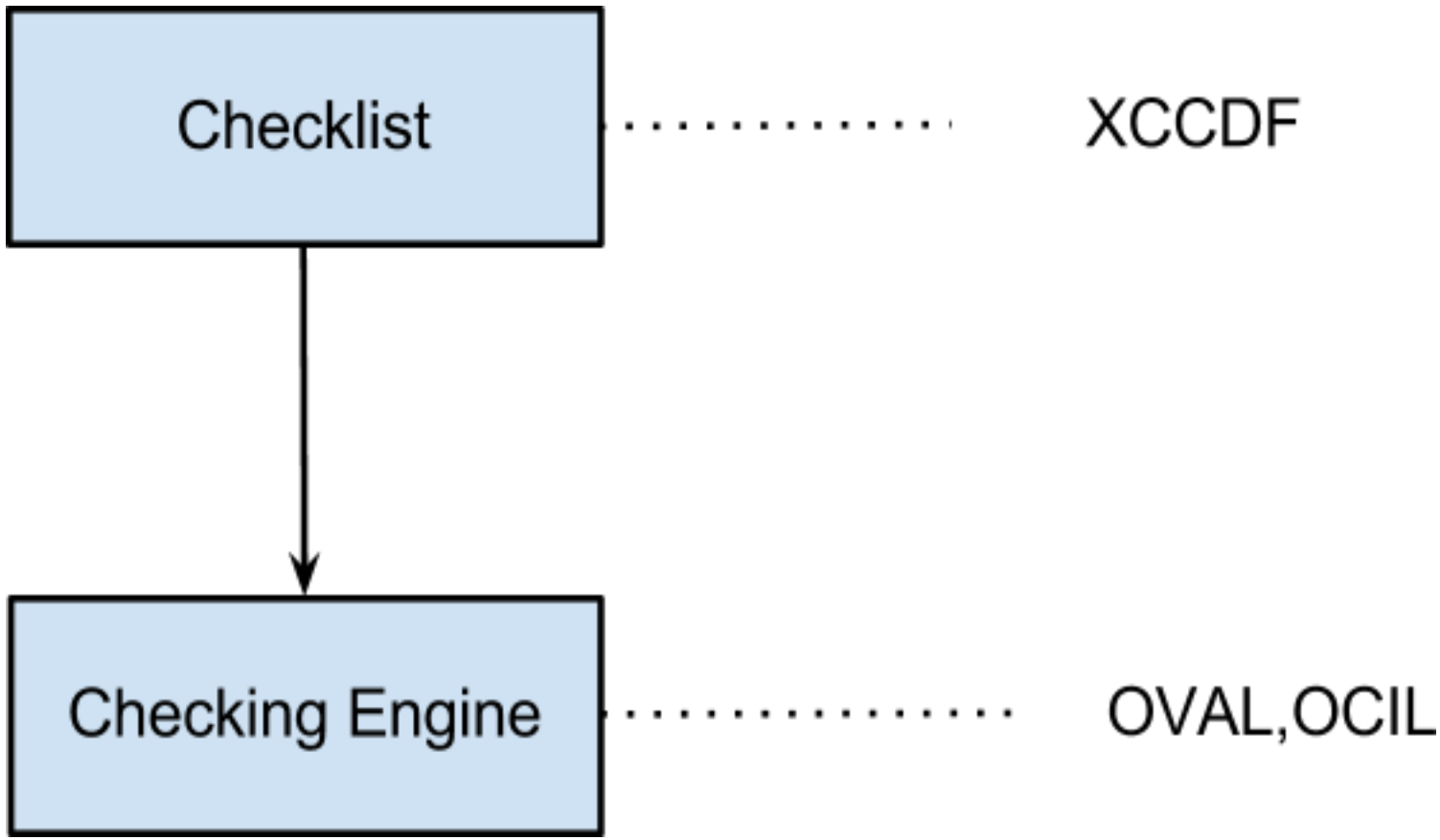
Why NOT sectool?

- Time
- Technology
- Idea

SCAP



SCAP



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- Pros
  - interoperability
  - avoids vendor lock-in
  - security
- Cons
  - authoring
  - maintainance
  - lack of experts
  - linux unfriendly

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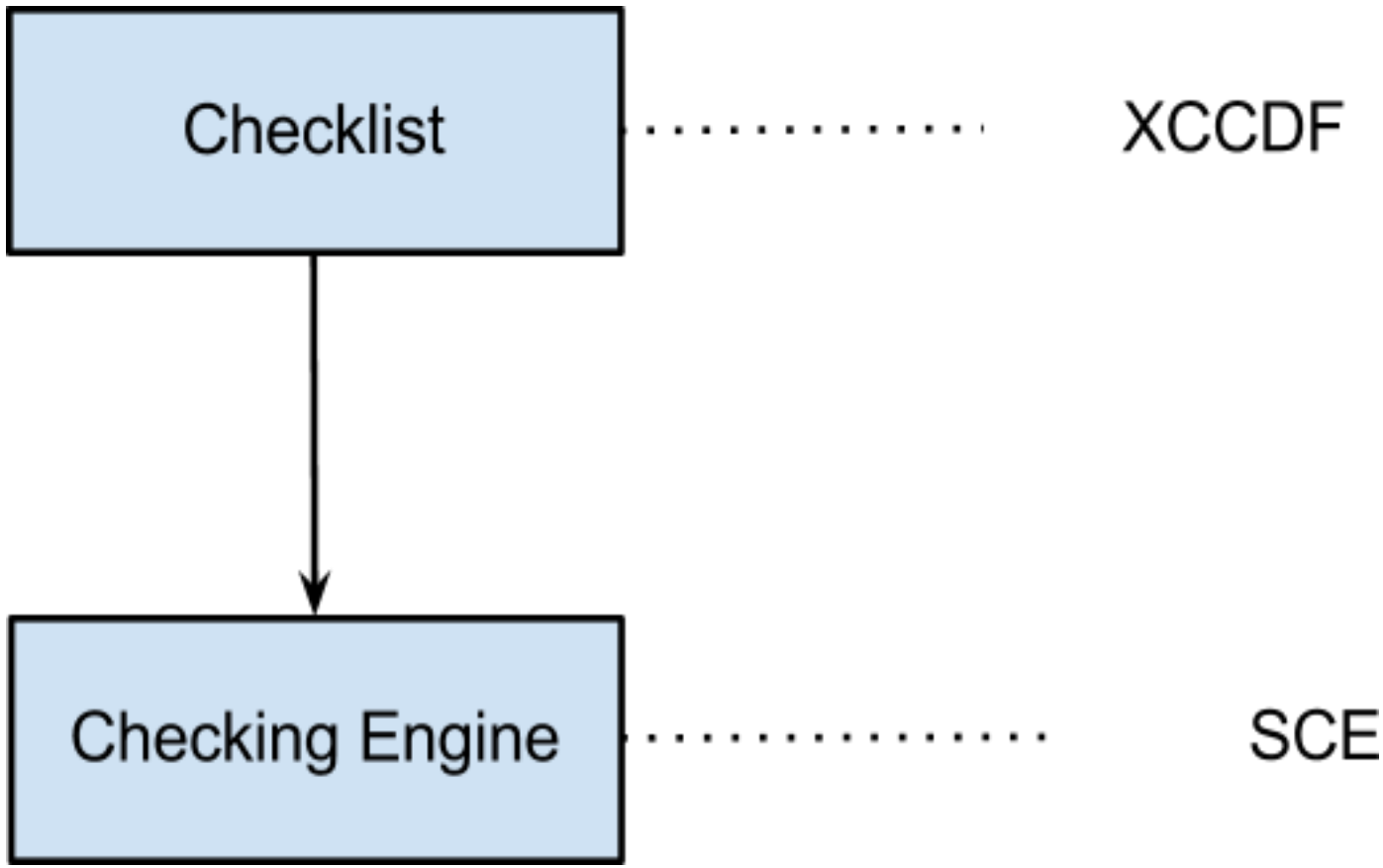
Script Check Engine



SCE - Overview

- works with everything executable
- exit code -> XCCDF result
- reasons via stdout/stderr
- XCCDF variables via environment variables

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oscap demo

Data - ported sectool checks

Evaluate and export both XCCDF results and SCE results:

```
$ oscap xccdf eval --results res.xml --sce-results
/usr/share/openscap/sectool-sce/sectool-xccdf.xml
```

Generate XHTML report from previously exported data

```
$ oscap xccdf generate report --sce-template %.result.xml res.xml
```

scap-workbench demo

```
$ scap-workbench
```

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  - flexibility
  - reuse skills
  - provides policy
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- use in QA?

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- call for Security Checklists

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Questions?

URL

- http://www.open-scap.org/page/SCE
- https://fedorahosted.org/scap-workbench/
- http://scap.nist.gov/