OpenSCAP

⚠️ Google Gemini   .   :
2025-06-09

1.   (SCAP)   OpenSCAP

        (IT)   ,
                                    .   ,   ,
                                               ,
    (SCAP)   OpenSCAP   .

1.1. SCAP   ?

SCAP(Security Content Automation Protocol)   ,
                                                        .[1] SCAP
                        (NIST)   800-53(SP 800-53)
                    [1]   (FISMA)
                                                                        [1]   SCAP
            NIST   (NVD)   .[1] SCAP
        ,   .   ,   ,
                                                        .
                                            ,
                                    .[1] SCAP
                                                                                    ,
            [1]
        .

        SCAP   NIST   ,   , NIST FISMA
                                        [1] NIST   SCAP
    , FISMA   [1]
                    .   SCAP
                                                            .   , SCAP   "   "
        "   [1]
            .
        ,   .

1.2. OpenSCAP   :

OpenSCAP(OSCAP)   SCAP   .3   SCAP
    , SCAP   (oscap)
    [1] OpenSCAP   SCAP   (SSG)
                                    .3 OpenSCAP   SCAP
        ,

SCAP　　　　　　　　　　　　　　　. OpenSCAP

．　　　　　　　　　　　　　　　　　　　　　　　，

．

1.3.

　　　　　，　　　　　　　　　　　　　　　　　，　　　　　　　　　　　．[1] SCAP

　　　　　，　　　　　　　　　　　　　　　　　　　　　　　　　．[1]

　　　　　，SCAP　　　　　　　，　　　　　　　　　　　　　" 　　(plumbing)"

　　　　　　　　　　　　　　　　　　　　.[6]　　　　　　　　　　　　　PCI

DSS, NIST, FedRAMP, FISMA　　　　　　　　　　　　　　　　　　　　　　　.[6]

　　　　　　　　　　　　　　IT

　　　.[1]

．　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　．

OpenSCAP

　　　　　　，　　　　　，　　　　，

.[7]

2. SCAP

SCAP　　　　　　　　　　　　　　　　，

．　　　　　　　　　　　　　　　　　SCAP

．

2.1.　　**SCAP**

SCAP　　　　　　　　　　　　[1]:

- XCCDF (Extensible Configuration Checklist Description Format):

　　，　　　　　　　　XML　　　　　　　　．

　　　　　　　.[1] SCAP　　　(SSG)　　　　　XCCDF

.[3]

- OVAL (Open Vulnerability and Assessment Language):

　　　　　　，

．OVAL　　　　　　(:

)　　　　　　.[1]

- CVE (Common Vulnerabilities and Exposures):

　.[1]

- CPE (Common Platform Enumeration):　　　　，

．

.[1]

- CVSS (Common Vulnerability Scoring System):

．　　　　remediation　　　　　　　　.[1]

[1]:

- CCE (Common Configuration Enumeration):
 .

- ARF (Asset Reporting Format):
 . oscap   ARF   .[9]
- TMSAD (Trust Model for Security Automation Data):
 .

- AID (Asset Identification):   .
- CCSS (Common Configuration Scoring System):
 .

                SCAP   .
    SCAP(OpenSCAP)
  .   (XCCDF, OVAL)   (CPE),
  (CVE),   (CVSS)   . SCAP
                          "   (suite)"[1]   .
                                                                    ,
          SCAP   .
                        . "   [1]   SCAP
          ,
  .

2.2.   **SCAP**

SCAP   .
        SCAP   ,   SCAP   .

	(Full Name)		SCAP
XCCDF	Extensible Configuration Checklist Description Format ( )	, XML . " " .	.
OVAL	Open Vulnerability and Assessment Language ( )	(: ,) ( ) XML .	XCCDF " " .
CVE	Common Vulnerabilities and Exposures ( )	.	.
CPE	Common Platform Enumeration ( )	IT (, OS,) .	.
CVSS	Common Vulnerability Scoring System ( )	.	remediation .
CCE	Common Configuration Enumeration ( )	( ) .	.
ARF	Asset Reporting Format ( )	.	.

SCAP

.　　　　　SCAP

,　　　　　　SCAP　　　　　　　　　　　　　　　　.

OpenSCAP

.

3. OpenSCAP　　　　　:

OpenSCAP　SCAP

.　　　　　　　　　　　　OpenSCAP　　　　　　　　　,

(oscap)　　　　　　　　　　　(SCAP Workbench)

.

3.1. OpenSCAP　　　　　:

OpenSCAP　　　　　　　　　　　　　　　　　.[5]

SCAP　　　　　　　　　　　　　　.[5] OpenSCAP

SCAP Workbench, Red Hat Satellite　　　　SCAPTimony, OpenSCAP

Daemon　　　　　　　　　　　　　.[5]　　　OpenSCAP Base C API

.[11]　　　　　　SCAP　　　　　　　　,

, API　　　　　　　　　　　　　. C API[11]

, OpenSCAP　　　　SCAP　　　　　　　　　　.　　　OpenSCAP

,

. API

SCAP　　　　　　　　　　　　　　　SCAP

.　　　　SCAP

.

3.2. oscap:

oscap　OpenSCAP　　　　　,

.[5]　　　　XCCDF　　　OVAL

.[5] SCAP 1.2　　　　SCAP 1.1　1.0　　　　　　　.[5]

DISA STIG, NIST　USGCB, PCI-DSS　　Red Hat　　　　　　　　　.[5]

oscap xccdf eval　　　　　　　　　[9], oscap info

.[9]　　　oscap xccdf generate report　ARF/XML　　　HTML

.[9]　　oscap　(verbose)　　　　　　.[12] oscap

(CLI)　　　　　　　OpenSCAP

. GUI　　　　　　, CLI　　, CI/CD

. oscap[5]

(: cron　, Ansible, CI/CD)　　　,　　　OpenSCAP

.

3.3. SCAP Workbench:

SCAP Workbench OpenSCAP .[9]
XCCDF SDS(Source Data Stream)
.[13] , , HTML, ARF XCCDF
.[9] SCAP (SSG) SCAP Workbench Workbench
.[9] (tailoring) .[13] SCAP Workbench

. oscap CLI SCAP Workbench GUI[5]
OpenSCAP CLI

. OpenSCAP .

3.4.

OpenSCAP Red Hat Satellite SCAPTimony OpenSCAP Daemon
.[5] OpenShift Compliance Operator oscap xccdf eval
OpenShift .[10] SCAPinoculars OpenSCAP ARF
Prometheus .[10] OpenSCAP Jenkins
Ansible [7], OSCAP (XCCDF) EM CLI Enterprise
Manager .[16] OpenSCAP
. OpenShift
Compliance Operator, Jenkins, Ansible[7] OpenSCAP
DevOps DevSecOps .
. OpenSCAP
DevSecOps
.

4. : OpenSCAP

OpenSCAP ,
. OpenSCAP
.

4.1.

OpenSCAP .
. SCAP (SSG)
.

- Fedora: dnf install openscap-scanner[5] oscap . SCAP
  Workbench yum install scap-workbench[9] ,
  openscap-scanner .
  .[12]
- RHEL 6/7, CentOS 6/7: yum install openscap-scanner[5] yum install scap-
  workbench[9] .
- RHEL 8+/CentOS 8+: Fedora dnf ,
  .[12]
- Debian/Ubuntu: oscap libopenscap8 apt-get install

`libopenscap8`[5] 　　　　　　　　　. Ubuntu　　SCAP Workbench　　SSG

```
sudo apt-get install -y openscap-scanner scap-security-guide
```

`oscap-anaconda-addon`[17] 　　　　　　　　　　　.

　　　　.[12]

SCAP　　　　　　(SSG)　　　:

- Fedora: `dnf install scap-security-guide`.[14]
- RHEL/CentOS: `yum install scap-security-guide`.[9]
- Debian 10+/Ubuntu 18.04+: `apt install ssg-base ssg-debderived ssg-debian ssg-nondebian ssg-applications`.[14]

OpenSCAP

.

	oscap　　　　　SSG	SCAP Workbench ( )	
Fedora	sudo dnf install openscap-scanner scap-security-guide	sudo dnf install scap-workbench	Workbench 　　　openscap-scanner 　　　　　　　.
RHEL/CentOS 7	sudo yum install openscap-scanner scap-security-guide	sudo yum install scap-workbench	.
RHEL/CentOS 8	sudo dnf install openscap-scanner scap-security-guide	sudo dnf install scap-workbench	
Ubuntu 18.04+	sudo apt update && sudo apt install openscap-scanner scap-security-guide	sudo apt install scap-workbench	Ubuntu 　scap-security-guide ssg-　　　　　　　　.[14] ([17] scap-security-guide 　　　　)
Debian 10+	sudo apt update && sudo apt install libopenscap8 scap-security-guide ([14] 　　ssg- 　)	sudo apt install scap-workbench	libopenscap8 　oscap 　　　　　.[5] SSG 　　ssg-* 　.[14]

OpenSCAP　　　　　　　　　　(: SSG)

.　　　　　　　　　　　　　　　　　　　　　　　　，

　　　　　　　　　　　　　　　.

　　，　　　　　　　　　OpenSCAP

　　.

4.2. SCAP　　　　　(SSG)

SCAP　　　　(SSG)　SCAP　　　　　　　　　　，

　　　　，　　　　remediation　　　　　　　　.[14] OSCAP　SSG

　　　　　　　.[4] SSG　　　　SCAP Workbench

(: `yum install scap-security-guide`).[9] Fedora, RHEL, CentOS,

Scientific Linux　　　　　SSG　　　.[9]　　　SSG

`/usr/share/xml/scap/ssg/content/`　　　　　　　　[9]，　　　XCCDF, OVAL

(*-ds.xml) .[3] SSG PCI DSS, STIG, USGCB .[14] SSG
DISA FSO, NSA, Red Hat [14]
.

SSG .

4.3.

4.3.1.

, SSG [9]
.[9]
<datastream_file.xml> oscap info <datastream_file.xml>
(: oscap info /usr/share/xml/scap/ssg/content/ssg-rhel6-ds.xml).[9] SCAP
Workbench .[9] (: RHEL 8)
(: CIS Benchmark Level 1) .

4.3.2. **oscap**

oscap : oscap xccdf eval --profile <profile_id>
--results <results_file.xml> --report <report_file.html>
<datastream_file.xml>.[9] DISA STIG oscap xccdf eval --profile
selected_profile --results result_file --cpe cpe_dictionary disa_stig_content
.[5] ,[9] oscap OVAL
: oscap oval eval....[19] OpenSCAP ,
.

4.3.3. **(HTML, ARF, XCCDF)**

. --results-arf arf.xml
(ARF) ,[9] --report report.html HTML
.[9] XCCDF .[9] HTML
,[9] SCAPinoculars ARF HTML
.[10] , (ARF,
XCCDF) (HTML) .
OpenSCAP .

4.4. **(Tailoring)**

. (Tailoring) .
SCAP Workbench [13], (fork)
ID / .[15] SCAP
" " " " [15] . SCAP

.[15] OpenSCAP XCCDF 1.1 ,
openscap .[13]

. .
(: SSG   )   [14],
                                           ([15]   ).
              [15],
                        .[15]
                                                    ,
              .

5. OpenSCAP

OpenSCAP

.   CIS(Center for Internet Security)   DISA STIG(Security
Technical Implementation Guides)
        .

5.1. CIS(Center for Internet Security)

CIS
  . OpenSCAP   CIS   PCI DSS, NIST, FedRAMP,
FISMA   .[6] Red Hat RHEL(Red Hat Enterprise
Linux)   CIS   scap-security-guide
        [18]
        .

        oscap   SSG   CIS
      .[18]   , oscap   Ansible   CIS
remediation(   )   .[18] OpenSCAP Ubuntu   CIS   (Level
1 Level 2   )   [17],   --remediate

  [17]
  .

OpenSCAP remediation   [18],   remediation
        .   , SSG RHEL 8 CIS   remediation   CIS   100%
        98%   .[18]   SSG
            remediation   . 100%
      remediation   ,
        .

5.2. DISA STIGs(Security Technical Implementation Guides)

DISA STIG   (DoD)   ,
                                [20] OpenSCAP   DISA STIG
        .[5] SCAP   (SSG) STIG   ,   RHEL 6 DISA STIG SSG
                .[14] SSG DoD STIG   Red Hat   .[14]

STIG `oscap xccdf eval --profile <STIG_profile>...`
[5], STIG OpenSCAP/SSG `/usr/share/xml/scap/ssg/content`
[20] STIG remediation Ansible DISA
(Supplemental Automation Content) [20]

SSG, Red Hat, DISA FSO NSA STIG [14]
DoD , DoD STIG
STIG
(SSG)

5.3. (: FISMA, HIPAA, PCI-DSS, NIST SP 800-53)

OpenSCAP CIS STIG . SCAP
NIST SP 800-53 [1], FISMA [1]
PCI-DSS ([5], SSG PCI DSS [14]), Oracle
Linux SSG HIPAA " " [16]. SCAP
NIST [1]

OpenSCAP FISMA, HIPAA, PCI-DSS, NIST SP 800-53 [1]
SCAP (OVAL)
. SSG .
OpenSCAP SSG

6. OpenSCAP

OpenSCAP .
,
.

- 6.1. : OpenSCAP ,
  [1] . [7]

- 6.2. : SCAP [1]
  , SCAP " " [6], SCAP
  [6]
  .

- 6.3. ( ): OpenSCAP . [4] SCAP
  [6], OpenSCAP(SCC + OVAL) Nessus
  [21] . [22]
  OpenSCAP .

- 6.4. :
  [7] [7], remediation
  [8] OpenSCAP
  .

- 6.5. : [7] CLI oscap
  . OpenSCAP .

- 6.6. : `Jenkins, Ansible` [7]

OpenScap
(6.1) (, **6.3**)
(6.4). (6.2) (6.6)

7.

OpenSCAP ,
OpenSCAP

OpenScap (: 2GB) [24] "Out of memory: Killed process (oscap)" "Memory allocation failed" [24]
, / , / [24]

`OSCAP_PROBE_MEMORY_USAGE_RATIO` ,
`OSCAP_PROBE_IGNORE_PATHS` (: /home) ,
remediation , , `oscap` [24]
/

SCAP

[8] SCAP
(XCCDF, OVAL) ,
([24] " ")OpenSCAP
, SCAP , ,

(Coverage Gaps)

`SSG RHEL 8 CIS` remediation 98% ,
CIS [18] 100%
" " [18]

SSG 100%
,

OpenScap

, ²⁴
.

, .

, . ¹⁸ ⁸ SCAP

. SSG

, .

, SSG

, .

8. OpenSCAP :

OpenSCAP
. Nessus Qualys
VMDR OpenSCAP .

8.1. OpenSCAP Nessus

OpenSCAP Nessus , , ,
.

- / : Nessus (Nessus Attack Scripting Language)
  remediation .²¹ OpenSCAP SCAP .
  SCAP DoD , Nessus SCAP
  (: RHEL 8 SCAP).²¹ Tenable(Nessus) Nessus SCAP
  .²¹
- : OpenSCAP 96%
  Nessus 72% ²⁵, .
  SCAP .²¹
- Remediation: OpenSCAP remediation (: CIS Ansible) .¹⁸
  Nessus remediation .²¹
- UI: OpenSCAP , Nessus GUI .²¹
  Nessus OpenSCAP(SCC + OVAL) .²¹
- : SCAP(OpenSCAP) DoD .²¹ Nessus
  .²⁶

8.2. OpenSCAP Qualys VMDR

OpenSCAP Qualys VMDR , , ,
.

- / : OpenSCAP SCAP .²² Qualys
  VMDR IT, OT, IoT
  , (VMDR) .²² Qualys , ,
  .²²
- : (, , OS) ²², Qualys
  .
- : OpenSCAP SCAP /

.[22] Qualys　 IT, OT, IoT

[22]

- 　　　: OpenSCAP　　　　　　. Qualys VMDR　　　　　　　　　(
　　　).[22]
- 　　　　　　　　　: OpenSCAP　　　　　　(　　　)　　　　　. Qualys
　(　　　　　)　　　　　　　　　　　　　　. ([27]
　　　　　　　　　, OpenSCAP　　　　　　　　, Qualys
　　　).

8.3. 　　　　: OpenSCAP, Nessus, Qualys VMDR

OpenSCAP, Nessus, Qualys VMDR　　　　　　　　　　　　　.

	OpenSCAP	Nessus (Tenable　　)	Qualys VMDR
	SCAP　　　　　　　　, 　　　　　　(OVAL　　)	,	(VMDR),
	SCAP　　(XCCDF, OVAL, CPE, CVE)	, NASL 　, Tenable	,
	(　　)	(Nessus Pro, Tenable.io　)	(　　)
SCAP		; SCAP	, SCAP /
	, (SSG　STIG, CIS) , (oscap)	GUI,	, , , (IT/OT/IoT)
	HTML, ARF, XCCDF; / ,	,	, ,
Remediation	remediation (　: SSG Ansible)	remediation	, ,
	/ ,	, ,	, ,
	CLI (oscap), GUI (SCAP Workbench)	GUI (Nessus Pro, Tenable.io　)	
	SCAP , ,	,	VMDR , MSSP,

　　　　OpenSCAP　　　　　SCAP　　　　　STIG　CIS

. Nessus　Qualys

. OpenSCAP

, 　SCAP .

, OpenSCAP SCAP , Nessus Qualys SCAP

[21]

. OpenSCAP SCAP

. SCAP

OpenSCAP , " " SCAP

. .

9.

OpenSCAP ,

. OpenSCAP

.

9.1. **OpenSCAP: , , API**

OpenSCAP , OpenSCAP

.[12] OpenSCAP cmake make ,

Fedora, RHEL, Ubuntu/Debian

[12]

.

(oscap -v), (LD_LIBRARY_PATH,

OSCAP_SCHEMA_PATH) .[12] OpenSCAP Base C API [11],

OpenSCAP .

lcov, genhtml .[12]

9.2. OpenSCAP

OpenSCAP , GitHub [18] GitHub

[18]

.

[12]

.

[12], API [11], [18]

. OpenSCAP ,

, . OpenSCAP

,

.

10.

OpenSCAP ,

. OpenSCAP , , ,

.

10.1. OpenSCAP

OpenSCAP　　　　　　　　　　　,　　　　　　　　　　　　　　,
　　　　　　　　　　　　　　　.　　　　　　　　SCAP　　　　　　　　　　　　　　　,
　　　　　　　　　　　　　　:

- 　　　　:
  　　　　　　　　.
- 　　　: CVE, CPE, XCCDF, OVAL
  　　　　　　　.
- 　　　　　　　:　　　　　　　　　　　　　　　　　　　　,
  　　　　　　　　　　　　.
- 　　　　　　　　:　　　　　　　　　　　　　　　　,
  　　　　　　.

　　　　　　OpenSCAP　　　　　　　　　　　　,
　　　　　　　　　　　　　　　　　.

10.2.　　　　　　　　　　　**OpenSCAP**

　　　　　　　DevSecOps,　　　　　　　　　,
　　　　　　　.　　　　　　　　　OpenSCAP
.　　OpenShift Compliance Operator[10]
OpenSCAP　　　IT　　　　　　　　　　　　　　　.

OpenSCAP　　　　　　　,　　　　　　　　　　, SCAP
　　　　　　　.
　　　　" 　　　(Shift Left)"　　　"　　　　(Security as Code)"
, OpenSCAP　　　　　　.　　　　　　(XCCDF)
　　OpenSCAP　　　　　　　　.[1]　　OpenSCAP
　　　　　　　　　.

OpenSCAP　SCAP　　　　(SSG)
,　　, IoT
. OpenSCAP　　　　　　　14
(　　　　　　　)　　,
　　　　.　　　OpenSCAP
SCAP　　　　.
,　　.

, OpenSCAP
,
.

- Security Content Automation Protocol - Wikipedia, 6　9, 2025　　　,
  https://en.wikipedia.org/wiki/Security_Content_Automation_Protocol
- en.wikipedia.org, 6　9, 2025　　　,

https://en.wikipedia.org/wiki/Security_Content_Automation_Protocol#:~:text=Security%20Content%20Automation%20Protocol%20(SCAP)%20checklists%20standardize%20and%20enable%20automation,800%2D53)%20controls%20framework.

- About SCAP - Oracle Help Center, 6   9, 2025   , https://docs.oracle.com/en/operating-systems/oracle-linux/8/oscap/oscap-WhatIsSCAP.html
- docs.oracle.com, 6   9, 2025   , https://docs.oracle.com/en/operating-systems/oracle-linux/8/oscap/oscap-WhatIsSCAP.html#:~:text=OpenSCAP%20(OSCAP)%20is%20an%20open,Linux%20to%20automate%20compliance%20testing.
- OpenSCAP Base | OpenSCAP portal, 6   9, 2025   , https://www.open-scap.org/tools/openscap-base/
- Secure Configurations and the Power of SCAP, 6   9, 2025   , https://www.cisecurity.org/insights/blog/secure-configurations-and-the-power-of-scap
- OpenSCAP: An effective Security and Compliance Audit ... - mivocloud, 6   9, 2025   , https://mivocloud.com/blog/OpenSCAP-An-effective-Security-and-Compliance-Audit-solution
- Vulnerability Assessment | OpenSCAP portal, 6   9, 2025   , https://www.open-scap.org/features/vulnerability-assessment/
- Getting Started | OpenSCAP portal, 6   9, 2025   , https://www.open-scap.org/getting-started/
- How to visualize your OpenSCAP compliance reports - Red Hat Developer, 6   9, 2025   , https://developers.redhat.com/articles/2024/02/08/how-visualize-your-openscap-compliance-reports
- Documentation | OpenSCAP portal, 6   9, 2025   , https://www.open-scap.org/resources/documentation/
- openscap/docs/developer/developer.adoc at main - GitHub, 6   9, 2025   , https://github.com/OpenSCAP/openscap/blob/main/docs/developer/developer.adoc
- SCAP Workbench User Manual, 6   9, 2025   , https://static.open-scap.org/scap-workbench-1.1/
- SCAP Security Guide | OpenSCAP portal, 6   9, 2025   , https://www.open-scap.org/security-policies/scap-security-guide/
- Customizing SCAP Security Guide for your use-case | OpenSCAP portal, 6   9, 2025   , https://www.open-scap.org/resources/documentation/customizing-scap-security-guide-for-your-use-case/
- 24 SCAP Supported Standards - Oracle Help Center, 6   9, 2025   , https://docs.oracle.com/en/enterprise-manager/cloud-control/enterprise-manager-cloud-control/13.5/emdbc/scap-supported-standards.html
- Automating CIS Compliance With OpenScap on Ubuntu Server - Eric Morrish, 6   9, 2025   , https://ericmorrish.com/blog/automating-cis-compliance-with-openscap-on-ubuntu-server/
- Center for Internet Security (CIS) compliance in Red Hat Enterprise ..., 6   9, 2025   , https://www.redhat.com/en/blog/center-internet-security-cis-compliance-red-hat-enterprise-linux-using-openscap
- Module : OpenSCAP: Using the oscap Command-Line Interface - Learn Oracle, 6   9, 2025   , https://learn.oracle.com/ols/module/openscap-using-the-oscap-command-line-interface/37001/37155
- Efficiently automating DISA STIGS: a guide to automated STIG hardening with RKE2, 6   9, 2025   , https://www.glasswall.com/blog/efficiently-automating-disa-stigs-a-guide-to-automated-stig-hardening-with-rke2
- Vulnerability management and SCAP : r/cybersecurity - Reddit, 6   9, 2025   , https://www.reddit.com/r/cybersecurity/comments/1bm8pop/vulnerability_management_and_sc

ap/
- Compare OpenSCAP vs. Qualys VMDR in 2025 - Slashdot, 6   9, 2025   ,
  https://slashdot.org/software/comparison/OpenSCAP-vs-Qualys-VM/
- OpenSCAP vs. Qualys VMDR Comparison - SourceForge, 6   9, 2025   ,
  https://sourceforge.net/software/compare/OpenSCAP-vs-Qualys-VM/
- OpenSCAP memory-consumption problems - Red Hat Customer Portal, 6   9, 2025   ,
  https://access.redhat.com/articles/6999111
- Openscap gives better score than the nessus - Login, 6   9, 2025   ,
  https://tenable.my.site.com/s/question/0D5WP00000OWKOI0A5/openscap-gives-better-score-than-the-nessus?language=en_US
- 10 Vulnerability Scanning Tools to Know in 2025 - Pynt, 6   9, 2025   ,
  https://www.pynt.io/learning-hub/application-security/10-vulnerability-scanning-tools-to-know-in-2025
- Compliance Scan vs Vulnerability Scan: Key Differences - Invicti, 6   9, 2025   ,
  https://www.invicti.com/blog/web-security/compliance-scan-vs-vulnerability-scan/

From:
https://atl.kr/dokuwiki/ - **AllThatLinux!**

Permanent link:
https://atl.kr/dokuwiki/doku.php/openscap_%EA%B0%9C%EC%9A%94

Last update: **2025/06/09 03:57**