[Skip to main content](https://lms.alnafi.com/xblock/block-v1:alnafi+DCCS102+2025_DCCS+type@vertical+block@dfeceb7d6f7144adb48f8a5c36c4992a?exam_access=&recheck_access=1&show_bookmark=0&show_title=0&view=student_view" \l "main)

reference <https://www.enisa.europa.eu/topics/threat-risk-management/risk-management/current-risk/risk-management-inventory/rm-ra-methods/m_octave.html>

**Octave**

                         Published under [Risk Management](https://www.enisa.europa.eu/topics/threat-risk-management/risk-management)            Tagged with

* [Risk Management](https://www.enisa.europa.eu/@@search?Subject%3Alist=Risk%20Management)

**Octave v2.0 (and Octave-S v1.0 for Small and Medium Businesses)**

**Product identity card**

General information  
Basic information to identify the product

**Method or tool name** : OCTAVE v2.0, OCTAVE-S v1.0  
**Vendor name** : Carnegie Mellon University, SEI (Software Engineering Institute)  
**Country of origin** : USA

Level of reference of the product  
Details about the type of initiator of the product

**Public / government organisation** : Carnegie Mellon University (USA), CERT (Computer Emergency Response Team) [http://www.CERT.org/octave/osig.html](http://www.cert.org/octave/osig.html)

Identification  
Specify the phases this method supports and a short description

R.A. Method phases supported

* Risk identification : Criteria only
* Risk analysis : Criteria only
* Risk evaluation : Criteria only

R.M. Method phases supported

* Risk assessment: Criteria only
* Risk treatment : Criteria only
* Risk acceptance : Criteria only
* Risk communication : Framework

Brief description of the product

* The Operationally Critical Threat,  Asset, and Vulnerability EvaluationSM (OCTAVE®) approach defines a  risk-based strategic assessment and planning technique for security.  OCTAVE is a self-directed approach, meaning that people from an  organization assume responsibility for setting the organization’s  security strategy. OCTAVE-S is a variation of the approach tailored to  the limited means and unique constraints typically found in small  organizations (less than 100 people). OCTAVE-S is led by a small,  interdisciplinary team (three to five people) of an organization’s  personnel who gather and analyze information, producing a protection  strategy and mitigation plans based on the organization’s unique  operational security risks. To conduct OCTAVE-S effectively, the team  must have broad knowledge of the organization’s business and security  processes, so it will be able to conduct all activities by itself.

Lifecycle   
Date of the first edition, date and number of actual version

**Date of first release** : Version 0.9, 1999  
**Date and identification of the last version** : Version 2.0, January 2005

Useful links   
Link for further information

**Official web site** : <http://www.cert.org/octave/osig.html>  
**User group web site** : N/A  
**Relevant web site** : <http://www.cert.org/octave>

Languages  
List the available languages that the tool supports

**Availability in European languages** : English

Price  
Specify the price for the method

* Free

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**Scope**

Target organisations  
Defines the most appropriate type of organisations the product aims at

* SME

**Specific sector** : N/A

Geographical spread  
Information concerning the spread of this tool

**Used in EU member states** : N/A  
**Used in non-EU member states** : USA

Level of detail   
Specify the target kind of users

* Management
* Operational

License and certification scheme  
Specify the licensing and certification schemes available for this method

**Recognized licensing scheme** : No  
**Existing certification scheme** : No

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**Users viewpoint**

Skills needed  
Specify the level of skills needed to use and maintain the solution

* To introduce : Standard
* To use : Standard
* To maintain : Standard

Consultancy support  
Specify the kind of support available

**Consultancy** : Open market

Regulatory compliance   
There is a given compliance of the product with international regulations

* N/A

Compliance to IT standards  
There is a compliance with a national or international standard

* N/A

Trial before purchase   
Details regarding the evaluation period (if any) before purchase of the product.

**Availability** : Trial version available, Registration required

Maturity level of the Information system   
The product gives a means of measurement for the maturity of the information system security

**It is possible to measure the I.S.S. maturity level** : No

Tools supporting the method   
List of tools that support the product

Non commercial tools

* N/A

Commercial tools

* [Licensed materials](https://www.enisa.europa.eu/topics/threat-risk-management/risk-management/current-risk/risk-management-inventory/rm-ra-tools/t_octave.html)
* Trainings ( Sector with free availability : Educational Support, Awareness trainings)

Technical integration of available tools  
Particular supporting tools (see C-7) can be integrated with other tools

**Tools can be integrated with other tools** : No

Organisation processes integration  
The method provides interfaces to existing processes within the organisation

**Method provides interfaces to other organisational processes** : Information Assurance

Flexible knowledge databases  
It is possible to adapt a knowledge database specific to the activity domain of the company.

**Method allows use of sector adapted databases** : No