

## **CEF: Cybersecurity Digital Service Infrastructure;** Core Service Platform – SMART 2015/1089

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### **Central Configuration Manual**





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# 1 Introduction

## 1.1 Connecting to CSP configuration interface

The CSP configuration management interface can be accessed at: [Error! Hyperlink reference not valid.](#), after authenticating via [OpenAM](#).

## 1.2 Features of CSP configuration interface

CSP configuration interface aims at:

- Managing registered CSP's or manually register CSPs
- Managing modules available at the organization level and their updates
- Managing modules and their updates that should be delivered to each CSP of the organization

Aforementioned features are presented in details in following chapters and are provided in the top-most menu of the provided interface, as shown below:



## 2 Management of CSPs

Management of CSPs can be accessed via menu “CSPs” from the top most menu of the interface, and the already registered CSPs for the organization are displayed in a table, as shown below:

### Core Service Platforms

<a href="#">+ Register CSP</a>		Search <input type="text"/>				
	CSP Id	CSP Name	Domain	Registered	Actions	
	a8fbbed5-31c4-4579-905d-bceea1d1c734	demo2-csp	athens.intrasoft-intl.private	2018-03-26T12:46:21Z		
	5a7f52ba-9821-4277-ba0d-8e3b9bb8f86c	demo3-csp	athens.intrasoft-intl.private	2018-04-16T06:18:45Z		

Showing 1 to 2 of 2 rows

### 2.1 List of CSPs

As denoted in table columns, administrator is able to monitor the Id, Name, Domain and Registered date of each CSP. Displayed records can be sorted on these attributes by pressing the corresponding column name either for ascending or descending ordering, as illustrated in the following example.

CSP Id
a8fbbed5-31c4-4579-905d-bceea1d1c734
5a7f52ba-9821-4277-ba0d-8e3b9bb8f86c

*Descending sorting on CSP Id column*

CSP Id
5a7f52ba-9821-4277-ba0d-8e3b9bb8f86c
a8fbbed5-31c4-4579-905d-bceea1d1c734

*Ascending sorting on CSP Id column*

Displayed records can be filtered by entering an appropriate search term in the provided text box:

<a href="#">+ Register CSP</a>		demo2				
	CSP Id	CSP Name	Domain	Registered	Actions	
	a8fbbed5-31c4-4579-905d-bceea1d1c734	demo2-csp	athens.intrasoft-intl.private	2018-03-26T12:46:21Z		

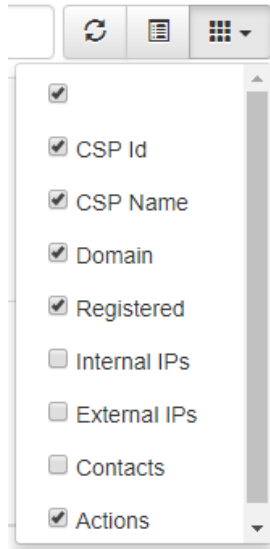
Showing 1 to 1 of 1 rows

Displayed view can be manually refreshed by pressing the corresponding icon in the table toolbar.


Table’s toolbar also offers a list layout option by pressing the middle button with the following result:

<a href="#">+ Register CSP</a>		Search <input type="text"/>				
<b>CSP Id</b> <b>CSP Name</b> <b>Domain</b> <b>Registered</b> <b>Actions</b>		5a7f52ba-9821-4277-ba0d-8e3b9bb8f86c demo3-csp athens.intrasoft-intl.private 2018-04-16T06:18:45Z 				
<b>CSP Id</b> <b>CSP Name</b> <b>Domain</b> <b>Registered</b> <b>Actions</b>		a8fbbed5-31c4-4579-905d-bceea1d1c734 demo2-csp athens.intrasoft-intl.private 2018-03-26T12:46:21Z 				

Finally, this page is able to also show Internal/External IPs as well as contacts for each registered CSP, although this information is by default hidden. To view this information, the administrator has to select the corresponding columns from the third button's dropdown menu:



## 2.2 Updating a registered CSP

Updating the information of a registered CSP can be performed by selecting the edit button  on its row. CSP information can be edited by the administrator on the fields shown in the figure below:

### ⚙️ Update Core Service Platform

**CSP Information**

<b>CSP ID:</b>	<b>Name:</b>	<b>Domain Name:</b>
<input type="text" value="57529821-4277-0839-886"/>	<input type="text" value="demo3-csp"/>	<input type="text" value="athens.intrasoft-intl.private"/>

**Responsible Contacts**

<b>Name:</b>	<b>Email:</b>	<b>Type:</b>
<input type="text" value="Jane Doe"/>	<input type="text" value="jane.doe@example.org"/>	<input type="text" value="TECH_ADMIN"/>
<b>Name:</b>	<b>Email:</b>	<b>Type:</b>
<input type="text" value="John Doe"/>	<input type="text" value="john.doe@example.org"/>	<input type="text" value="CONTACT"/>

**Internal IPs** **External IPs**


<input type="text" value="10.240.125.26"/>	<input type="text" value="10.240.125.26"/>
--	--

The administrator can alter, add or remove responsible contacts and Internal/External IPs for the specified CSP. However, the minimum responsible contacts that have to be provided are two (2), while the minimum Internal or External IPs that have to be specified are one (1) for each type (at least 1-Internal IP and at least 1-External IP).

After finishing editing the required fields and by pressing the “Save” button, interface informs the administrator for the expected result and if the result was successful he is automatically redirected in the CSP listing page.

Pressing the “Cancel” button returns to CSP listing page, as described in previous paragraph.

## 2.3 Deleting a registered CSP

Deletion of a registered CSP can be performed by selecting the remove button  on its row. After pressing remove button the administrator is requested twice to confirm the deletion of the specified CSP.

First and second confirmation dialog examples are displayed below:

Confirmation

Are you sure to delete CSP: **a8fbbcd5-31c4-4579-905d-bceea1d1c734** and its related information?

Cancel

Confirm

Confirmation

Are you sure to delete CSP: **a8fbbcd5-31c4-4579-905d-bceea1d1c734** and its related information?

Last report of CSP was on: **2018-05-06T17:25:27Z**

A second confirmation is required!

Cancel

Confirm

If deletion of a CSP is twice confirmed by the administrator, the interface informs him for the expected result and if the result was successful the CSP listing page gets automatically refreshed.

## 2.4 Register a new CSP

Although CSPs are intended to be self-registered<sup>1</sup>, configuration management offers to the administrator the ability to manually register a CSP. For this to happen the administrator must select the “Register CSP” button and complete the relevant information, as depicted in the figure below:

<sup>1</sup> The CSP registering procedure is described in detail in CSP Administration Manual

## ⚙ Register Core Service Platform

**CSP Information**

**CSP ID:**  **Name:**  **Domain Name:**

**Responsible Contacts** + -

<b>Name:</b> <input type="text"/>	<b>Email:</b> <input type="text"/>	<b>Type:</b> <input style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 2px 5px;" type="text" value=" "/> -
<b>Name:</b> <input type="text"/>	<b>Email:</b> <input type="text"/>	<b>Type:</b> <input style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 2px 5px;" type="text" value=" "/> -

**Internal IPs** + - **External IPs** + -

<input style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 2px 5px;" type="text" value=" "/> -	<input style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 2px 5px;" type="text" value=" "/> -
---	---

CSP ID field is handled by the system, while the administrator has to complete all the other fields that are required. Please, note that the minimum responsible contacts that have to be provided are two (2), while the minimum Internal or External IPs that have to be specified are one (1) for each type (at least 1-Internal IP and at least 1-External IP).

After completing all the required fields and by pressing the “Save” button, interface informs the administrator for the expected result and if the result was successful he is automatically redirected in the CSP listing page.

Pressing the “Cancel” button returns to CSP listing page.






### 3 Management of Modules





















Management of available Modules within the organization can be accessed via menu “Modules” from the top most menu of the interface, and the already registered Modules for the organization are displayed in a table, as shown below:

#### Modules

[+ Register Module](#)

Search

	Short Name	Start Priority	Default	Versions Count	Actions
	oam	200	<input type="checkbox"/>	9	  
	base	0	<input type="checkbox"/>	2	  
	postgres	100	<input type="checkbox"/>	3	  
	anon	500	<input type="checkbox"/>	2	  
	il	501	<input type="checkbox"/>	3	  

Showing 1 to 5 of 18 rows

5 records per page

«
<
1
2
3
4
>
»

#### 3.1 List of Modules

As denoted in table columns, administrator is able to monitor the Short Name, Start Priority, Default and Versions Count of each Module. Displayed records can be sorted on these attributes by pressing the corresponding column name either for ascending or descending ordering, as illustrated in the following example.

Short Name
trustcircles
rt
redis
postgres
owncloud

Descending sorting on Short Name column




Short Name
anon
apache
base
es
il



Ascending sorting on Short Name column

Displayed records can be filtered by entering an appropriate search term in the provided text box:

[+ Register Module](#)

trust














	Short Name	Start Priority	Default	Versions Count	Actions
	trustcircles	900	<input type="checkbox"/>	5	  

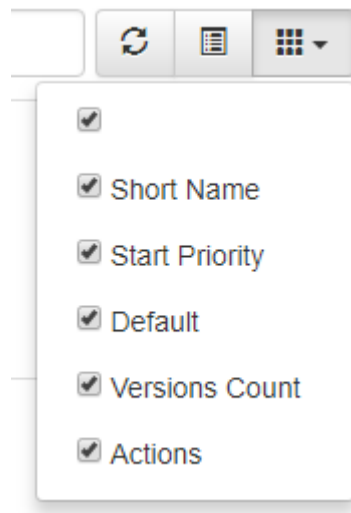
Showing 1 to 1 of 1 rows

Displayed view can be manually refreshed by pressing the corresponding icon  in the table toolbar.

Table's toolbar also offers a list layout option by pressing the middle button  with the following result:

+ Register Module		Search			
Short Name	oam				
Start Priority	200				
Default	<input type="checkbox"/>				
Versions Count	9				
Actions	  				
Short Name	base				
Start Priority	0				
Default	<input type="checkbox"/>				
Versions Count	2				
Actions	  				

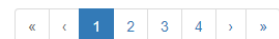
Administrator is able to also show/hide columns according to his preferences from the third button's dropdown menu:




Please note, that all available columns for Modules listing page are displayed by default.

Finally, administrator is able to navigate on the the displayed records via the paging toolbar that exists below the table:

Showing 1 to 5 of 18 rows  5 records per page











### 3.2 Updating a registered Module

Updating the information of a registered Module can be performed by selecting the edit button  on its row.

**Please note, that this action is enabled only for Modules that are NOT assigned to a CSP.**

For example, in the following figure, misp Module can't be edited while mockservices Module can be edited.

	misp	901	<input type="checkbox"/>	6	  
	mockservices	115	<input type="checkbox"/>	1	  

Module information can be edited by the administrator on the fields shown in the figure below:

## Update Module

CSP Information

Short Name:

Start Priority:

Default:

The administrator can alter, Short Name, Start Priority of the Module and set whether this Module is default for all CSPs of the organization or not.

After finishing editing the required fields and by pressing the “Save” button, interface informs the administrator for the expected result and if the result was successful he is automatically redirected in the Module listing page.





Pressing the “Cancel” button returns to Module listing page, as described in previous paragraph.

### 3.3 Deleting a registered Module

Deletion of a registered Module can be performed by selecting the remove button  on its row.

**Please note, that this action is enabled only for Modules that are NOT assigned to a CSP.**

For example, in the following figure, misp Module can't be deleted while mockservices Module can be deleted.

<input type="radio"/>	misp	901	<input type="checkbox"/>	6	  
<input type="radio"/>	mockservices	115	<input type="checkbox"/>	1	  

After pressing remove button the administrator is requested to confirm the deletion of the specified Module.

A confirmation dialog example is displayed below:

Confirmation

Are you sure to delete Module: **mockservices** and its related information?

If deletion of a Module is confirmed by the administrator, the interface informs him for the expected result and if the result was successful the Module listing page gets automatically refreshed.

### 3.4 Register a new Module

Administrator is able register a new Module by selecting “Register Module” button and complete the relevant information, as depicted in the figure below:

## ○ Register Module

Short Name:	Start Priority:	Default:
<input type="text"/>	<input type="text"/>	<input type="button" value="No"/> <input type="button" value="Yes"/>
		<input type="button" value="Cancel"/> <input type="button" value="Save"/>

The administrator has to provide, Short Name, Start Priority of the Module and set whether this Module is default for all CSPs of the organization or not.


After completing all the required fields and by pressing the “Save” button, interface informs the administrator for the expected result and if the result was successful he is automatically redirected in the Module listing page.

Pressing the “Cancel” button returns to Module listing page.

## 4 Management of a Module's Versions




Versions of a registered Module can be managed within the Module listing page, described in previous chapter. The administrator is able to view and manage the versions of a Module by selecting "Modules" from the top most menu and then select the list button on the Module of his interest.
















### 4.1 Listing Module's Versions

Listing of versions of a Module can be performed by selecting the list button  on its row, within the Module listing page. All registered versions for the specified Module are displayed, as shown below:

#### ≡ Module Versions of Module: oam

[+ Register Module Version](#)

	Full Name	Version	Released On	Actions
	oam	1.1.100	2017-10-03T12:21:05Z	 
	oam	2.0.000	2018-02-19T21:29:19Z	 
	oam	2.0.003	2018-02-22T07:13:55Z	 
	oam	2.0.004	2018-02-22T08:17:25Z	 
	oam	2.0.006	2018-03-19T13:45:21Z	 

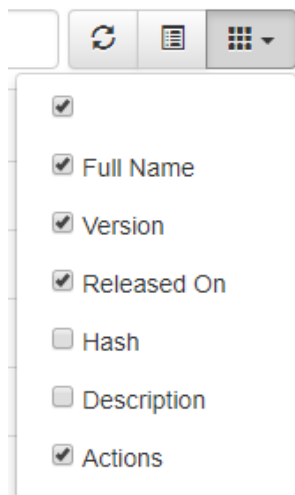
Showing 1 to 5 of 9 rows

records per page

« < 1 2 > »





The page offers similar toolbars for searching, paging and displaying in table/list view of the selected Module's versions.

Extra information, that is hidden by default, includes the hash and the description of the Module version, that can be enabled from the third button's dropdown menu:




An example is shown below:

## Module Versions of Module: oam







+ Register Module Version		Search	↺	📄	⌵
Full Name	oam				
Version	1.1.100				
Released On	2017-10-03T12:21:05Z				
Hash	ae64d0e744f1ed6fb6f5d1bc63f47c3b5deb18cb879acf69cb3d78880f7211577f5a0ba5fd843a3b88d07c2c913ac329de5b85643aded7164100a23db1a0edf0				
Description	1003				
Actions	 				
Full Name	oam				
Version	2.0.000				
Released On	2018-02-19T21:29:19Z				
Hash	801811d898c03e4f0aec3082095465001428ef2cb4d33e4a51d91af924cf155a268fdd82fed4b55fa8471b455808b0a9ab165f09900f6de78a98afa79296352b				
Description	oam 19/2				
Actions	 				

### 4.2 Updating a registered Module Version

Updating the information of a registered Module Version can be performed by selecting the edit button  on its row, within the selected Module's Versions listing page.

**Please note, that this action is enabled only for Module Versions that are NOT assigned to a CSP.**

For example, in the following figure, Module oam Version 2.0.007 can be edited while Version 3.5.000 cannot.

	oam	2.0.007	2018-03-21T10:43:26Z	 
	oam	3.5.000	2018-03-26T14:47:14Z	 

Module Version information can be edited by the administrator on the fields shown in the figure below:

### Update Module Version

Full Name:

Version:

File:

Cancel

Save

oam

1.1.100

 Browse ...

Description:

1003

Cancel

Save

The administrator may alter the fields Full Name, Version and Description and **must** specify a new file for the Module Version file.


**Please note that the only allowed file extension is \*.zip, while the ZIP archive has to be flat (without directories within it). Also ZIP file **must** contain the manifest file, named as: manifest.json.**

More information on how Module Version ZIP files can be created can be found on ANNEX A of this document.

After finishing editing the required fields and by pressing the "Save" button, interface informs the administrator for the expected result and if the result was successful he is automatically redirected in the selected Module's Versions listing page.





Pressing the "Cancel" button returns to the selected Module's Versions listing page.

### 4.3 Deleting a registered Module Version

Deletion of a registered Module Version can be performed by selecting the remove button  on its row, within the selected Module's Versions listing page.

**Please note, that this action is enabled only for Module Versions that are NOT assigned to a CSP.**

For example, in the following figure, Module oam Version 2.0.007 can be deleted while Version 3.5.000 cannot.

	oam	2.0.007	2018-03-21T10:43:26Z	
	oam	3.5.000	2018-03-26T14:47:14Z	

After pressing remove button the administrator is requested to confirm the deletion of the specified Module Version.

A confirmation dialog example is displayed below:

Confirmation

Are you sure to delete Module Version: **oam** and its related information?

Cancel Confirm


If deletion of a Module Version is confirmed by the administrator, the interface informs him for the expected result and if the result was successful the specified Module's Versions listing page gets automatically refreshed.

### 4.4 Register a new Module Version

Administrator is able register a new Module Version for a specified Module by selecting "Register Module Version" button, within the selected Module's Versions listing page and complete the relevant information, as depicted in the figure below:

#### Register Module Version for Module: oam

Full Name:
Version:
File:
Cancel
Save

 Browse ...

Description:

Cancel
Save

The administrator must complete the fields Full Name, Version and Description and **must** specify a file for the Module Version file.

**Please note that the only allowed file extension is \*.zip, while the ZIP archive has to be flat (without directories within it). Also ZIP file must contain the manifest file, named as: manifest.json.**

More information on how Module Version ZIP files can be created can be found on ANNEX A of this document.

After finishing editing the required fields and by pressing the “Save” button, interface informs the administrator for the expected result and if the result was successful he is automatically redirected in the selected Module’s Versions listing page.

Pressing the “Cancel” button returns to the selected Module’s Versions listing page.



## 5 Monitoring and Assignment of Modules Versions to CSPs



Concluding the CSP Configuration Manual and having present the management operations on CSPs, Modules and their Versions, the CSP administrator is also able to specify which Module Version should be delivered to each of the organization's registered CSPs.

This operation can be performed via the "Dashboard" option from the top most menu.

### 5.1 Monitoring organization's registered CSPs

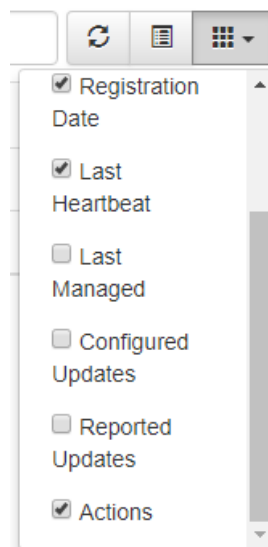
The dashboard page of the configuration interface presents the registered CSPs of the organization, as depicted below:

#### Core Service Platforms Configuration Dashboard


<div> <input type="text" value="Search"/> <span>↺</span> <span>📄</span> <span>⌵</span> </div>					
	CSP Name	Domain	Registration Date	Last Heartbeat	Actions
⚙	demo2-csp	athens.intrasoft-intl.private	2018-03-26T12:46:21Z	2018-05-06T18:35:28Z	
⚙	demo3-csp	athens.intrasoft-intl.private	2018-04-16T06:18:45Z	2018-05-06T18:36:57Z	

Showing 1 to 2 of 2 rows

Paging, searching and sorting on the table is available as described previously. Additionally, the administrator is able to effectively monitor the status of each CSP by enabling more columns from the third button's drop down menu:




and selecting a list view for more convenience, as shown below, as an example:

<b>CSP Name</b>	⚙ demo2-csp
<b>Domain</b>	athens.intrasoft-intl.private
<b>Registration Date</b>	2018-03-26T12:46:21Z
<b>Last Heartbeat</b>	2018-05-06T18:35:28Z
<b>Last Managed</b>	2018-03-26T14:45:57Z
<b>Configured Updates</b>	oam:3.5.000,base:2.0.000,postgres:2.0.000,anon:2.0.000,il:2.0.000,mocknode:2.0.001,es:2.0.003,kibana:2.0.000,logs:2.0.000,trustcircles:2.2.000,apache:2.0.000,misp:2.0.005,rt:2.0.000
<b>Reported Updates</b>	base:2.0.000,postgres:2.0.000,oam:3.5.000,anon:2.0.000,il:2.0.000,mocknode:2.0.001,es:2.0.003,kibana:2.0.000,logs:2.0.000,trustcircles:2.2.000,misp:2.0.005,rt:2.0.003,apache:2.0.000
<b>Actions</b>	

This way the administrator is able to see the Module Versions that have been assigned to be delivered to a designated CSP (Configured Updates) and the reported Module Versions from the CSP itself (Reported Updates).

## 5.2 Assignment of Module's Versions to organization's registered CSPs

The assignment of the Version for each registered Module that has to be delivered to a registered CSP of the organization, can be managed by the CSP administrator by selecting the  button for a specific CSP from the dashboard page.

Afterwards, the administrator is able to enable/disable a Module for the selected CSP and also set the desired Version for each Module, as shown below:

Enable:	Short Name:	Installed Version:	Set Version:
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	oam	3.5.000	3.5.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	base	2.0.000	2.0.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	postgres	2.0.000	2.0.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	anon	2.0.000	2.0.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	il	2.0.000	2.0.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	mocknode	2.0.001	2.0.001 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	es	2.0.003	2.0.003 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	kibana	2.0.000	2.0.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	logs	2.0.000	2.0.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	trustcircles	2.2.000	2.2.000 ▼
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	apache	2.0.000	2.0.000 ▼
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	owncloud	---	▼
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	jitsi	---	▼

Please note, that all available versions for a Module are listed, so a downgrade or upgrade of a Module is possible, as displayed below, while reported version from the CSP is also displayed here for convenience:

**Set Version:**

3.5.000 ▼

2.0.000  
2.0.003  
2.0.004  
2.0.006  
2.0.007  
**3.5.000**  
3.5.001  
3.5.003

After enabling (or disabling) all desired Modules and setting the desired version for each of them, the administrator is able to save the configuration by pressing the "Save" button, while pressing the "Cancel" button redirects to the dashboard page.

## 6 ANNEX A: Module File Specification

Below you may find a complete list of CSP module file specifications corresponding to version 4..

#	Module Short Name	Version
1	base	4.0.004
2	anon	4.0.001
3	il	4.0.001
4	es	4.0.002
5	apache	4.0.006
6	misp	4.0.002
7	intelmq	4.0.005
8	regrep	4.0.001
9	viper	4.0.003
10	apache curl	4.0.004

- End of document-