

## **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 by logging via SSH port 22 to the VM created for the Central CSP. Login credentials are: user: **root** and password: **systempass** and also add a Port Forward rule for port 19090.

You may use third party software (i.e. PuTTY, as described in section 4.2 of manual: **CSP Installation Manual**) or the command:

```
# ssh root@{central hostname} -L 19090:localhost:19090
```

in a Linux terminal, where {central machine hostname} is the hostname or IP of the Central CSP machine.

## 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				
	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		

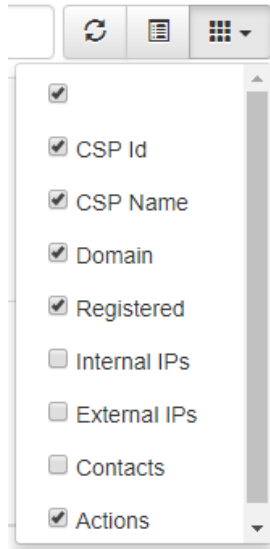
Showing 1 to 1 of 1 rows

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				
<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>
57529821-4277-0839-886	demo3-csp	athens.intrasoft-intl.private

**Responsible Contacts**

<b>Name:</b>	<b>Email:</b>	<b>Type:</b>	 
Jane Doe	jane.doe@example.org	TECH_ADMIN	
<b>Name:</b>	<b>Email:</b>	<b>Type:</b>	
John Doe	john.doe@example.org	CONTACT	

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


10.240.125.26		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: **a8fbbed5-31c4-4579-905d-bceea1d1c734** and its related information?

Cancel

Confirm

Confirmation

Are you sure to delete CSP: **a8fbbed5-31c4-4579-905d-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 + -

Name: <input type="text"/>	Email: <input type="text"/>	Type: <input type="text"/> -
Name: <input type="text"/>	Email: <input type="text"/>	Type: <input type="text"/> -

Internal IPs + - External IPs + -

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

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:

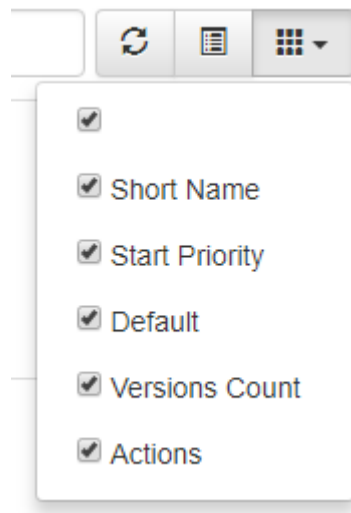
+ Register Module

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






«
<
1
2
3
4
>
»

### 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.

<input type="radio"/>	misp	901	<input type="checkbox"/>	6	  
<input type="radio"/>	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:	Cancel	Save
<input type="text"/>	<input type="text"/>	<input type="button" value="No"/> <input type="button" value="Yes"/>		
			Cancel	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](#)

Search

	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	 

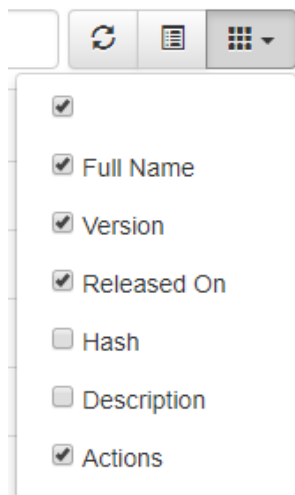
Showing 1 to 5 of 9 rows

5 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 informayion, 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:

oam

Version:

1.1.100

File:

 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:

  Browse ...

Cancel Save

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

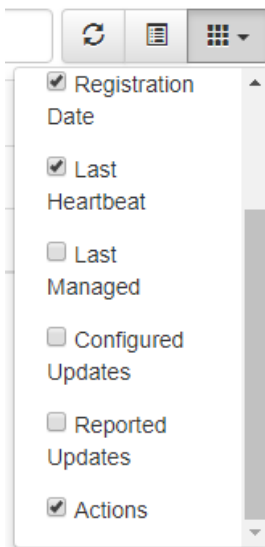
The dashboard page of the configuration interface presents the registered CSPs of the organization, as depicted below:

#### 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:
No Yes	oam	3.5.000	3.5.000 ▼
No Yes	base	2.0.000	2.0.000 ▼
No Yes	postgres	2.0.000	2.0.000 ▼
No Yes	anon	2.0.000	2.0.000 ▼
No Yes	il	2.0.000	2.0.000 ▼
No Yes	mocknode	2.0.001	2.0.001 ▼
No Yes	es	2.0.003	2.0.003 ▼
No Yes	kibana	2.0.000	2.0.000 ▼
No Yes	logs	2.0.000	2.0.000 ▼
No Yes	trustcircles	2.2.000	2.2.000 ▼
No Yes	apache	2.0.000	2.0.000 ▼
No Yes	owncloud	---	▼
No 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 convinience:

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 of version 4

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

Table 1. Complete list of updates/versions per CSP Module regarding version 4

#	Module	Version	File name	Description
1	base	4.0.004	csp-basemodule-2018-09-03T1243-4.0.4.zip	Updated base modules for 4.0.4 (20180903 build)
2	postgres	2.0.000	csp-postgres-20180216.zip	pg 19/2
3	redis	3.6.001	csp-redis-20180529-3.6.001.zip	2018-05-29: added empty "external_host"
4	oam	3.6.005	csp-openam-20180605-3.6.005.zip	2018-06-05: fix for update-datastore line
5	cfg	3.6.006	csp-configuration-20180626-3.6.000.zip	Port fix
6	ActiveMQ	3.8.001	csp-activemq-20180719-3.8.0.zip	ActiveMQ Module
7	anon	4.0.001	csp-anonymization-20180831-4.0.001.zip	anonymization in arrays element fix
8	il	4.0.001	csp-integrationlayer-20180831-4.0.001.zip	vulnerability routing fixes
9	mocknode	2.0.001	csp-mocknode-20180220.zip	Migrating mockservices to node
10	es	4.0.002	csp-elasticsearch-20180903-4.0.002.zip	Elasticsearch with new misp-vulnerability support latest fix
11	kibana	2.0.000	csp-kibana-20180216.zip	kibana 19/2
12	logs	3.6.007	csp-logs-20180518-3.6.007.zip	3.6.007
13	owncloud	3.6.001	csp-owncloud-20180518-3.6.001.zip	Port moved to 6443 for public access
14	trustcircles	3.8.001	csp-trustcircles-20180801-3.8.001.zip	Fixed TeamContact sharing of field "description" Remove csp_id uniqueness requirement in TeamContacts
15	misp	4.0.002	csp-misp-20180831-4.0.002.zip	fix docker-compose
16	rt	3.6.003	csp-rt-20180620-3.6.003.zip	FIX the https://git-csp.athens.intrasoft-intl.private/csp/sxcsp/issues/4. There are NO log files from RT adapter under /opt/csp/logs added - /opt/csp/logs/:/opt/csplogs to dicker-compose volumes:
17	intelmq	4.0.005	csp-intelmq-20180919-4.0.5.zip	20180919 build
18	regrep	4.0.001	csp-regularreports-20180831-4.0.001.zip	Regular Reports with the latest fixes
19	vcb	3.8.002	csp-vcb-20180718-3.8.002.zip	vcb:3.8.002

20	viper	4.0.003	csp-viper-20180831-4.0.003.zip	image fix
21	apache cri	4.0.004	csp-apache-cri-20180917-4.0.4.zip	20180917 build
22	apache	4.0.006	csp-apache-20180920-4.0.6.zip	20180920 build

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**Important Notice**

All modules are assignable either to CSP Central or to a CSP Node **except from module named: cfg**, which should be assigned only to the Central CSP

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- End of document-