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# Filtering rules management interface

# **Universal Locking Rules UI**

# Introduction

Universal locking rules (ULR) UI is designed to manage filtering rules on multiple DPIs simultaneously using a graphical interface.

# Installation

Equipment or virtual machines with the following characteristics are suitable for the subsystem:

- 1. CPU 2.5 GHz, 2-4 cores
- 2. RAM from 8 GB (mainly for sphinx)
- 3. Hard drive (HDD) 50 GB 250 GB
- 4. Cent OS 7+ operating system (we do not recommend to not install minimal, because most of the dependencies will have to be installed manually)
- 5. Network Card (NIC) from 10 Mbps



We recommend Cent OS 7+ operating system. **Do not not install minimal, because most of the dependencies will have to be installed manually.** If you need to install software on Cent OS 6, make sure that supervisor 3+ is installed. If you do not have the package, please contact technical support.

 $\bigcirc$ 

The locking rules management interface is a special section of The VAS Experts DPI Graphical User Management Interface ver.2. The installation is similar to the script of The VAS Experts DPI Graphical User Management Interface ver.2.

# Configuration

# .env Configuration

The subnet configuration is handled with .env file.

```
/var/www/html/dpiui2/backend/.env
```

The file contents:

#Redirect URL for "White list" service ULR WHITE LIST REDIRECT URL=https://google.com #The period after Ulr tasks data is deleted (days) ULR\_QUEUE\_DELETE\_TASKS\_DAYS\_INTERVAL=1 #ASN for IP-exception rules ULR IP EXCLUDE ASN=64401 #The host for blocked resources list deployment. To connect the blocked resources server. ULR BLACK LIST DEPLOY HOST=<IP address or host of global locks web-server> #The port for blocked resources list deployment. To connect the blocked resources server. ULR BLACK LIST DEPLOY PORT=22 #Username for blocked resources list deployment. To connect the blocked resources server. ULR\_BLACK\_LIST\_DEPLOY\_USER=default #Password for blocked resources list deployment. To connect the blocked resources server. ULR BLACK LIST DEPLOY PASS= #To use sudo for blocked resources list deployment. (0 - do not use, 1 use) ULR\_BLACK\_LIST\_DEPLOY\_SUD0=1 #Black lists saving path. ULR\_BLACK\_LIST\_DEPLOY\_PATH=/var/www/html/blacklists/ #Log Detail Level (0 - info, 1 - debug, 2 - tracing). ULR LOAD LOG LEVEL=0

After changing the .env file, you need to run the command

php /var/www/html/dpiui2/backend/artisan queue:restart



These settings can be added to the configuration in the Administrator  $\rightarrow$  DPIUI2 Server Configuration section in the The VAS Experts DPI Graphical User Interface ver.2.

# **Key Installation**

To use the Universal Locking Rules UI, you need to activate the ULR-license in DPIUI2 with a command:

```
dpiui2 ulr_lic --make=1
```

Next:

- 1. Enter license level: standard
- 2. Enter the license completion date in the Y-m-d format (e.g. 2099-12-31)
- 3. Enter the license password.

If the data is correct, a success message will be displayed:

```
dpiui2 ulr_lic --make=1
Enter level:
> standard
Enter expire date in Y-m-d format:
> 2099-12-31
Enter password:
>
stdClass Object
(
   [success] => 1
)
```

# **Roles Management**

In the DPIUI2 interface visit the Administrator  $\rightarrow$  Roles section. Create a new role and set read and write permissions in the ulr\_admin section:

(AM	AGING USERS AND ROLES / NO										
÷	8	ø	10 Gare								
	toles		di Program sectione	part sectors							
	linke		fork	tartist.	Read	Record					
	Q.The				0	D					
1	Administrator	Û	administrator_roles	Pules	0.84	D 14					
1	uri .	0	administrator_send_wron	tend tour	0	0.10					
	N		administrator, dpixi2	Administrator DPVut2	0.10	D 16					
			vaschud	VK0 Obed	0.50	D 16					
			socket.	Websocket notifications	0.80	D He					
		- F	site	Universal both rules	8 744	8.99					
			sit_rels_tales	Universal lock rules.) volt x tr filter	8 744	8.94					
			sit, white, rules	Universal lock rules. / vthinkist	63 Yes	81 Mei					
			uk,policinga	Universal lock rules / Applications & policings	63 Yes	22 Nov					
			situaturoles	Universal both roles J ADN Mar	8 Yes	8.90					
			alt_excludes	Universal luck rules / IP & ASH excitates	8 744	8.99					
			sit_db_search	Lativesal lock rules.) carabase search	8 744	8					
			sit.isp.ige.profiles	Universal lock rules. / til/16 & til/16 profiles	63 Yes	81 Mei					
			skulice	Universal lock rules / Oliciternaries	63 Yes	El Nes					
			uk,system,state	Universal lock rules / Spriam global state	8 14	B Yes					
			som	Laukat interception	0.10	0.16					
			som_comections	Lawful interception / connections	0.10	0.10					

Next, go to the Administrator $\rightarrow$  Users section. Create a new user and set him the role that you created earlier.

Full name *	
user	
E-mail *	
user@user.com	
Phone *	
+796023	
Company *	
vasexperts	
Position *	
ulr	
Role	
Url	~
New password	
Confirm password	

After the user logs in, he is moved to the locking rules management section.

SPE	CTRE DPI	VIEB & IP F1(78)								IN +	🕲 ur -
0	.85 WER & IP FILTER Add Inex rale Check dollars Search database APPLICATIONS & POLICINOS	WEB &	IP FIL	TER annary ACTVE	DIBABLED 0	10134. 4 4					
-	ASIN FILTER IP & ASIN EXCLUDES	Last entr	ties in Wi	eb1P register							
-	WHITELIST	C. be	Ruble Learch.	DATE DATE		- TVPE	RESOURCE MAR	ARROUNCE BALBATED	REGULATOR REG 1	PEARCH	
	SYSTEM GLOBAL STATE	Traitint Eastind	1 1	11-11-20100-17 11-11-20100-17		104 05	nda mita	mal n *amil n	880 1 860 1	Ter Ter	
		Tailed Tailed	1 1 1	LE B SHIETT		05 05	min jan jan	malas yminum "yminum	880 1 890 1 880 1	Ter Sur Ter	
		Tailed	i i	LL IN 2010617 LL IN 2010617		591 594	jan jan	jan <sup>1</sup> jan	NGO 1 NEO 1	Ter	1
		EXPO	RT								200 W.

# **Dictionaries Configuration**

- Category Dictionary
- Regulators Dictionary

These dictionaries are used for creating/editing locking rules.

# **Category Dictionary**

In the Locking Rules management interface go to the Dictionaries  $\rightarrow$  Categories section.

SPECTRE DPI	DETIONABLES / CATEGORIES			··· (	D or
Rules	CATEGORIES				
<ul> <li>NEB &amp; IP FILTER</li> </ul>					
<ul> <li>APPLICKTIONS &amp; POLICINES</li> </ul>	Add new item				
<ul> <li>ASN FILTER</li> </ul>	Bort same *				
P & ASN EXCLUDES					
<ul> <li>WHITELIST</li> </ul>	Public description				
<ul> <li>ISPS &amp; IONIS PROFILES</li> </ul>					
<ul> <li>DATABASE SEARCH</li> </ul>					
SYSTEM GLOBAL STATE	ADD ITEM				
O DICTIONNAILES					
Calegories	0				
Regulators	Canada Seator				
	torum	Darte	<ul> <li>DESCRIPTION</li> </ul>		
	CALIT	00:11 30:00/22			
	LIGPT		1 2 20	INCV 1	10 -
	EUPORT				

#### Creating

Fill in the form with category name and description and click the "Add" button.

TEGORIES	
Add new item	
Sum Lango * - Category	
Public description	
ADD ITEM	

Editing

To edit: click on the category editing button in the categories table. In the form, change the name and/or description of the category, then click the "Save" button.

CATEGORIES				
Add new item				
Category			Editing form	
Public description	Edit item	× 🖌	Editing form	
	Teen name *			
ADD ITEM	Public description Description			
C. Datatable search				Edit 8
NAME	SAVE ITEM		- DESCRIPTION	
Category			Description	
CAZ 111	68:31 10:06/22			
1-1071		<pre>&lt;&lt; t &gt; &gt;&gt;</pre>		SHOW 10 -

#### Deleting

Click on the delete category button in the categories table. In the pop-up window confirm or cancel the action.

CATEGORIES			
Add new item			
Public description			
ADD ITEM			
C. Dutatable search			Delete category a
NAME	DALE	+ DESCRPTION	
Cangary	08:22 20:06:25	Deuxiption	
CAT III	08:11 20:06/22		Delete?
1.10/1	ec c 1		An you sent Cancel/Confirm
EXPORT			GANGEL DELETE

**Attention:** Before deleting a category, make sure there are no rules referring to this category!

### **Regulators Dictionary**

In the Locking Rules management interface go to the Dictionaries  $\rightarrow$  Regulators section.

SPECTREIDPI	DCTONARES/REOULIZORS			Di v	() a -
RULES	REGULATORS				
APPLICATIONS & POLICINOS	Add new Hem				
ABN FILTER     IP & ASN EXCLUDES	test same "				
WHITELIST     ISPS & KONS DOUDLING	Public description				
OATABASE SEARCH					
SYSTEM GLOBAL STATE     DICTIONARIES	ADD THM				
Categores Regulators	C, Extender search -				
	NUME REFORM	041130/0622	<ul> <li>BESCRIPTION</li> </ul>		
	LIGPT	an a <b>1</b> 5 55			GW 10.
	EXPORT				

#### Creating

### Fill in the form with regulator name and description and click the "Add" button.

REGULATORS			
Add new item	-		
Regulator			
Public description			
ADD ITEM			

#### Editing

To edit: click on the regulator editing button in the regulators table. In the form, change the name and/or description of the regulator, then click the "Save" button.

dd new item				
lien name * Regulator			Editing form	
Public description	Edit item	× 🖍		
	Regulator			
ADD ITEM	- Public description			
Dalaiside search				Edit
ĸ	SAVE ITEM		· DESCRIPTION	
lator			Description	
	80-11 20/04/72			

#### Deleting

Click on the delete regulator button in the categories table. In the pop-up window confirm or cancel the action.

REGULATORS				
Add new item   Agentation				
ADD ITEM				
Q. Datatable search				Delete regulator
NAME	DATE		- DESCRIPTION	
Toplator	08.28 28/08/25		Description	
880 111	ØR:11 29:06:21			Delete?
14.061		ee e <b>†</b> > >>		Are you sure? Cancel/Confirm
EXPORY				CANCEL DELETE

**Attention:** Before deleting a regulator, make sure there are no rules referring to this regulator!

# **IGW Profiles Management**

Change to the section "ISPS & IGWS Profiles"  $\rightarrow$  "IGWs List".

SPE	CTRE <b>DPI</b>	EPE & RUE PROFILE LASS FOR PROFILE INFO					DN -	(8) str.)
R.L.	ES WED & IP FILTER	ADD IGW PROFILE WNEW						
	APPLICATIONS & POLICINGS	IGW profile id: :						
•	ASN PILTON	10V profile name *			Standalone			
•	IP & ABV EXCLUDES							
•	WHITELIST	Nodes						
9	ISPS & IGWS PROFILES	minICPI	- DPI hardware name miniOPI *	100pii 4 *	ADD			
ш	ISPs lot. Add new ISP profile							
ш		PLANE	EPI HIPEVUARE NAME			INCOME.		
11	Add new IGW graffie 🦰			Data not	found			
H	DATABASE SEARCH	SAVE CHANCES						
•	SYSTEM OLOBAL STATE							
•	DICTION/RE8							

# Creating

To create new IGW profile change to the section "ISPS & IGWS Profiles"→"Add new IGW profile".

In the form specify:

- Profile name;
- Operation mode (Standalone/Cluster)

 Nodes for the profile (Node name, DPI from the list of available equipment and number of bridges)

SPEC	CTRE <b>DPI</b>	IFE & RIVE PROFILES LADO FOR PROFILE INSIN			CX -	8 at
	WEB & ID FILTER	ADD IGW PROFILE WNEW				
	APPLICATIONS & POLICINGS	IGW profile id: 1				
•	ASN FILTER	- IOV profile same *		Note *		
٠	IP & ABN EXCLUDES					
•	WHITELET	Nodes				
٩	ISPS & IGWS PROFILES ISPs Int	1920 Isana Din Din India	100jan rama 100jan	ADD		
	Add new ISP profile	NAME	EPI HIPEWARE MARE	REDGE 1		
+	Add new IQW profile		Dete no	flound		
+	DATABASE SEARCH	SAVE CHANCES				
	SYSTEM OLOBAL STATE					
	DICTIONARIES		IGW	adding form		



### Editing

In the "ISPS & IGWS Profiles"  $\rightarrow$  "IGWs List" section click the button "Edit profile".

IGWS LIST			
Select IGW profile from the list			
Q, Datatable search			ø
NAME	MODE	DATE	-
KWLIII	Standalour	10:16 20:06:19	e 0
1-1 OF 1	<< < 1 > >>		Edit profile snow 10-
EXPORT			

The IGW profile creation/editing form will open. Make the changes you need and click "Save Changes".

### Deleting

In the "ISPS & IGWS Profiles"  $\rightarrow$  "IGWs List" section click the button "Delete" and confirm/cancel the operation.

IGWS LIST			
Select IGW profile from the list			
Q. Dutatione source			Delete
NAME	MCOE	DATE	
and the second se	Standalone	08:46.20:06/21	
3070111	Standalous	10:36 20:06/19	Delete?
5-2 OF 2	<c <="" <u="">1 &gt; &gt;&gt;</c>		And you saw? Cancel/Confirm
EXPORT			GANCEL CELETE

**Attention**: Before deleting a profile, make sure there are no ISP profiles referring to this category!

# Web Server for Global Lists Configuration

# Web-server

1. Prepare a machine with CentOS7+ installed

2. Create a sudo user without password as described in Dpiui2: DPI connection details section

3. Run the script:

```
rpm --import http://vasexperts.ru/centos/RPM-GPG-KEY-vasexperts.ru
rpm -Uvh http://vasexperts.ru/centos/6/x86_64/vasexperts-repo-1-0.noarch.rpm
yum install dpiutils -y
yum install httpd -y
yum install unzip -y
mkdir /var/www/html/blacklists
chmod -R 777 /var/www/html/blacklists
echo "
<VirtualHost *:80>
    DocumentRoot \"/var/www/html/blacklists\"
    <proxy *>
    Order deny,allow
    Allow from all
    </proxy>
</VirtualHost>
" > /etc/httpd/conf.d/bl_lists.conf
firewall-cmd --permanent --add-port=80/tcp
firewall-cmd --reload
```

```
systemctl enable httpd.service
systemctl restart httpd.service
```

4. In dpiui2 configuration specify the web-server access parameters in ULR settings section

5. Specify the path to Custom lock list in the settings of all connected FastDPI servers:

```
# URL dictionary for blocking by HTTP (custom_url_black_list)
custom_url_black_list=http://<IP address of Web-server>/blacklist.dict
# Names dictionary for blocking HTTPS protocol by certificate
(custom_cname_black_list)
custom_cname_black_list=http://<IP address of Web-server>/blacklistcn.dict
# IP addresses dictionary for blocking HTTPS by IP (custom_ip_black_list)
custom_ip_black_list=http://<IP address of Web-server>/blacklistip.dict
# Host names dictionary for blocking HTTPS by SNI (custom_sni_black_list)
custom sni black_list=http://<IP address of Web-server>/blacklistip.dict
```

# **DSCP** Rules

Change to "Applications and policings" section  $\rightarrow$  "DSCP Rules".

SPE	CTRE <b>DPI</b>	APPLICATIONS & POLICINOS / COSCP FULLES				IN -	(B) = -
RUU	15	DSCP RULES					
ļ	VIER & IP FILTER APPLICATIONS & POLICINGS Policings profiles	teet DCSP* priority to application to use it in t Warning: Priority works probaby!	BP profile or use CPRCP to block apparation on all CPI write.	Rule creating form			
	DiscP Rates	Set priority to protocol Stat typing protocol name in use protocol to	d heper.				
	ASN PLITER IP & ASN EXCLUDES	Application protocol ADL/ICQ		80 	۰	BETGSCP	
11	NHITELIST	Databable search      PROTOCOL NAME	PRORTE	PEDULATOR	DATE		
	DATABASE SEARCH	A0L800	ol				10
1	SYSTEM OLOBAL STATE DICTIONARIES	Enable/Disal	ble			Edit rule Delet	te rule

#### Creating

In the form of rule creating:

- Enter the name of application protocol and choose one from the list;
- Choose the priority from the list.

Save the rule by clicking on "Set DSCP" button.

#### Editing

In the list of DSCP rules click on "Edit rule" button. In the popup editing form set the necessary priority and save changes by clicking on "Set DSCP" button.

et DCSP priority to application to use it in IS	P profile or use DROP to block application of	n all DPI units.		
Warning: Priority works globally!				
at priority to protocol				
at typing protocol name or use protocol is	helper.			
Application protocol ADLADQ	Edit rule	×		SET DSOP
C. Defailable search	Protocol:	AOL/ICQ		
PROTOGOL NAME	PRO CONTRACTOR		DATE	•
D A0L402	m0 CS0	· ·		
				THOM .
1.3 (2* 1				

### Deleting

In the DSCP rules list click the button "Delete rule" and confirm/cancel the operation.

DSCP RULES Set DCSP priority to application to use it in 157	profile or use DRDP to block application on all DP	unts		
Warning: Priority works globally!				
Set priority to protocol Start typing protocol name or use protocol list - Application protocol - ACL/CC	helper	Protty	-	SET DSCP
O, Datatable search				Delete rule
PROTOCOL NAME	PRORITY	RECULATOR	DATE	
SECTE EXPORT			Deleti Ani poz	e? Tarte Cancel/Confirm CANCEL DELETE

# **ASN Filter**

Change to the "ASN Filter" section.

SPECTREDPI	ASH PRIME LOOP FULCE					E91 -	@ @ -
HALES     WES & P FLICE     APPLICATIONS & POLICINOS     ADHIFUEN     PA AGHIFUEN     PA AGHIFUEN     WHITEURT     SINS INCOMPANY     SUNTEURT     SINS INCOMPANY     SUNTEURT     SUNTAARE SEANCH     SUNTEURT     DECTIONARIES	DSCP RULES Det CCP printly to ABAI direction Wanning Procty enhanded Add new rule THEI Ministry Paint casolities '	h we lin SP pulle or sec (200° is block) N	Shi haffi; on al DPI anto.	Rule creating form	Dools *		
	C. Database search.					Edit rul	0
	ALC HEAMERTS	TRALE HEAVE	PRONTY	REGIL/TOR	DESCRIPTION	0.78	
	• 10H	Ruhi	ot		Itali Desciption		× 0
	•	00	-		440	17-94 30 04 32	
	Enable	/Disable rule		ec e 1 3 33		Delete	rule

# Creating

In the form of rule creating:

- Specify the number of AS;
- Choose the priority from the list;
- Enter the rule name;
- Enter the rule description.

Save the rule by clicking on "Set DSCP" button.

### Editing

In the list of DSCP in ASN direction rules click on the "Edit rule" button. If necessary, in the popup editing form:

- choose the priority from the list;
- Enter the rule name;
- Enter the rule description.

Warning: Priority works globally!						
Add new rule		Edit rule	×			
A montai "		AS number: 11101 Pointy * ad Point sees * Point Points assigner * Paint Description	- Ru	le editing form		
Cathorn search.	7115 Aug	SET DSCP			Edit rule	
	Proved, However,			Total Destinion		×
DIINI	Bulai	141				

Save the changes by clicking on "Set DSCP" button.

# Deleting

In the list of DSCP in ASN direction rules click the button "Delete rule" and confirm/cancel the operation.

del mana pula					
AS number					
11101				cs0	
Rute name .*					
Rule1					
Public description					
Rule1 Description					
					and and a second s
SET DSCP					An you have Cancel/Confirm
_					Cancencommu
					CANCEL DELETE
Datalable search					
Datatable search	PULE NAME	PRORTY	REGULATOR	DESCRIPTION	
Elabelete search AS MUNIECE EDR	RULE NAME Rule	PRORITY	REGULATOR	DESCRIPTION Raik/Description	

# **IP & ASN Excludes**

Change to the "IP & ASN Excludes" section.

SPECTRE DPI	# 5 KIN EXCLORES (# CHILLORES USF					CX -	() () ()
RULES VIED & IP FUTER APPLICATIONS & POLICINOS ADMILITER	IP EXCLUDES Add P or COTI to bob and all P helics will b Warning: This even PASS priority to P-	e paraed etitiest processing, editenses and works globally!					
P & KEN LICLUDES     Pecides     ASK endels     VHITLIST     HIPL& KONSPECTES     DADBASE SCHOH     SYNTEM GLOBALSTRE     DETCHARES	Add new rule "Ris com " 192:95.11 Path devolution " Rahet Description 54.1 Exclusion			Rug 100			
	C         Balakis suonk.           # OR CORK         # OR CORK           C         MARKADA           S1 OF1         # OR CORK           # OR CORK         # OR CORK	NULL MARK	жаллар с ( ) > 30	DECOPTON MAG 20	DATE ICH 2003		2 2 0

# **IP Excludes**

Change to the "IP & ASN Excludes" section  $\rightarrow$  "IP Excludes".

SPECTRE DPI	# 5 HOM EXCLUDES ( # CVID.LOES/US7					CX -	(C) 40 -
PRAES         VES & P FLICE           APPLICTIONS & POLICINOS         ADMINISTR           P ANN EXCLUDES         Prestate           ADMINISTR         PRESTATE	IP EXCLUDES Add P or COR Is hits and all P helfs will be press Warning: This ant PASS priority to P-address Add new rule - 9 or COR 1 - 9	ed without processing. en and months globally!		Exclusion creation for	m		
<ul> <li>DICTIONARIES</li> </ul>	SUT LICEUMEN			Exclusion list			
	C Brane werk.	RUE NAME WE	NOLLATIN AT 4 1	DESCRIPTION well 5 20	EARE ICM 304003	Edit exclusion	2 2 0

### Creating

In the form of rule creating:

- Specify IP/CIDR;
- Enter the rule name;
- Enter the rule descriptuin;

Save the rule by clicking on "Set exclusion" button.

### Editing

Click on the button "Edit exclusion". In the form of rule editing you can change:

- name of the rule;
- its description.

Edit rule	×
IP or CIDR: 192.168.1.203	
Rule name * Rule1	
Public description * Rule1 Description	
SET DSCP	

Save the changes by clicking on "Set DSCP" button.

# Deleting

In the list of exclusions click the button "Delete exclusion" and confirm/cancel the operation.

IP EXCLUDES				
Add IP or CIDR to lists and all IP traffic will	be passed without processing.			
Warning: This sets PRSS priority to IP-	addresses and works globally!			
Add new rule				
192 168 1.1			Rule 1	
Public description * Rale1 Description				
SET EXCLUSION				
Q Delabete search				
IF OIL CON	TRAE NAME	REGULATOR	DESCRIPTION	Delete exclusion
Ø BEHKL38	set11		well	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
EXPORT		44 A 1 3		CAMEE

# **ASN Excludes**

Change to the "IP & ASN Excludes" section  $\rightarrow$  "ASN Excludes".

SPECTRE DPI	# 8 KBH EHOLMOES ( # CHILLOES-USF					CX -	() ()
INVES         VEB & P FUTER           APPLICKTIONE & POLICHIONE         APPLICKTIONE & POLICHIONE           ARM FUTER         P & ARM FUTER           P & ARM FUTER         P & ARM FUTER           O MONING SEARCH         SYSTEM GUORAL STATE           D OCTOMARES         PARTEN	IP EXCLUDES Add P or COR is belowed at P holls will be Wenning: This area PAGS prody to P-4 Add new rule P or COR * #22-950.11 Path: drawatike: * Relat Description NTTECLOROW	e person of without processing do woose and works globally!		Sin is Raft			
	Badda sont,     P OK ODR     Badda Sont,     P OK ODR     Sont     Sont     Sont     Sont	NULL NAME WE	REGLATOR et e t	DESOURTON well 3- 35	EARS #148 Search		2 2 0

#### Creating

In the form of rule creating:

- Specify AS number;
- Enter the rule name;
- Enter the rule descriptuin;

Save the changes by clicking on "Set Exclusion" button.

### Editing

Click on the button "Edit exclusion". In the form of rule editing you can change:

- name of the rule;
- its description.



Save the changes by clicking on "Set DSCP" button.

# Deleting

In the list of exclusions click the button "Delete exclusion" and confirm/cancel the operation.

ASN EXCLUDES					
Add AS numbers to lists and all ASN traffic	will be passed without processing.				
Warning: This sats PASS priority to A	5 numbers and works globally!				
Add new rule					
AS number 1			Rule nam	et al.	
Public description *					
SET EXCLUSION					
C, Dutatole search				Delete exclusi	ion a
AS INJAMER	PEALE NODE	RECELATOR	DISCRIPTION	DATE	
© 128	mana 121411		nama 123000	08.00.20106/02	10
ENGUI		ec e 1 >		Ant you have Cancel	

# **VIP Subscriber Management**

#### VIP Subscribers and their privileges

**VIP Subscriber** is a special subscriber whose traffic is passed with a dedicated priority (default is cs0) regardless of the priority settings for application protocols. The allocated priority is set by the special\_dscp configuration parameter. See section Configuration. The subscriber is connected through the installation of service 15 on DPI.

Privilege:

• Unlimited access to applications and resources that are subject to restrictions on use.

#### **Purpose of section**

This section is purpose to manage VIP Subscribers.

#### Getting started with section

Open section "IP & AC Exclusion"→"VIP Subscribers".

┥ Will Experts	IP & ADD EXCLUDED FOR DUBICIDATION LIST				m- (	0 0
RELES: VED A PRUTER APPLICATIONS & POLICINOS AS & DOCP P & ASM EXCLUSION	VIP SUBSCRIBERS LIST Add valuesher's Legie or IP to the fail and the helfs Meeting. The VIP subscriber's sub-to-set plotted	er ble udserber vill pess ellevd reaktione. I no 13% av specified	VIP Subscriber creation form			
Presides     AIN excludes     VP subscitzes     WeitELIST     BPS & KOVS PROFILES     DATABASE (REVECH	Add new rule	lat	v Estacibar			
<ul> <li>SYSTEM GLOBAL STATE</li> </ul>	Last entries of VIP subscribers				Edit VIP Subscriber	
DETIGNATES	C, DATATURAL REARCH		BERNARD BAN	1000		8
	<ul> <li>1 10 H 10 H 10 H 10</li> </ul>	7	10.12-0.22	272	×.	0
/	NOR1		44 4 5 30		DR24	1-
ON / OFF Subscrib	ERPORT				/	

#### Creation

In the VIP Subscriber's creating form:

- Select the type from the drop-down list (IP/Login);
- Enter IP or Login in the Subscriber field, depending on what you have chosen in the drop-down list;
- You can apply the rule to an ISP from the list and select multiple ISPs or click on the "Select All" button. If you accidentally clicked the "Select All" button, then click on the "Uncheck All" button;
- If your slider is disabled on apply to specific ISPs, then the new rule will be set globally to all ISPs.

Add new rule Enable or disable applicati	on to a specific ISP	- 540007840 152164132166	
Apply the rule to ISPs from the list			
Select ISP which the rule will be applied			
ISP         Select all / Unselect all ISP           Z ReePy         SELECT ALL           SELECT ALL         UNSELECT ALL	Poctarastas hBvS	StayNet	
Add VIP S	ubscriber		

Save the VIP Subscriber by clicking the "Add" button.

#### Editing

Click on the "Edit VIP Subscriber" button. In the rule editing form, you can change:

- Application to certain ISPs from the list;
- Remove or add ISP.

Edit rule	×
VIP subscriber IP is 143.12.41.32.	ist
Select ISP which the rule will be applied	SkyNet
ДомРу МNS SELECT ALL UNSELECT ALL	
SAVE	

Save your changes by clicking the "Save" button.

#### Deleting

In the VIP Subscribers list, click on the "Delete VIP Subscriber" button and, in the window that appears, confirm or cancel the deletion.

	ily if no 151% are specified!			
dd new rule				
Tate		Subscriber		
Apply the rule to ISPs from the	e list			
ADD				
entries of VIP subscribers				
DATIVABLE SEARCH				
RALE DATE	<ul> <li>TPE</li> </ul>	RESOLRCE RAY	MODE	
1 13-39 22/00/29	P	143.12.41.52	1979	
		ec e <b>1</b> > >>	Delete	P Delete VIP Subscribe
0F 1			Pull Falls	
or +				Confirm / Cancel deletion

# **ISP Configuration**

Change to the "ISPS & IGWS Profiles"  $\rightarrow$  "ISPs List".

SPECTREDM	ISPO & KINTS PROPILED / ISPS LIST				13	. (Q) # -
RALES INTER & P.FILTER INTER OF DEPARTMENT	ISPS LIST					
APPLICATION & POLICIPUS	Q. Estatute south .				Edit profi	e e
ASH FILTER	IVAR	DATE.	- NETWORKLEARING	2342	CIERO NUM	
<ul> <li>P #Aswexclubes</li> </ul>	6 m	ALC: 10 (10) (10) (10)	Only manual	Raming Dr	1	1.0
INHTELIST	-			10		5000 🞽
SIPE & KOURD PROFILES      KiPs is:     Add new SDP profile     Kolin is:     Add new SDV profile	Execut Enable/Disab	le Profile			Dele	te profile
DATABASE SEARCH     SHSTEM GLOBAL STATE     DICTIONARES						

# **Creating an ISP Profile**

To create new IGW profile go to the "ISPS & IGWS Profiles" section  $\rightarrow$  "Add new ISP Profile".

In the form specify:

- Name of ISP profile;
- Choose the border from the list;
- Login to be used on the DPI node;
- Prefix for lists on the DPI node (it will be used as the name of service profile on the node);
- Choose bridges of the border;
- Choose Network training to get the addresses of this profile;
- Specify address/networks of the ISP (if necessary).

SPE	CTREDPI	IND LOND MORED: KO DE PROFES HERY								10 -	(Ø) # -
-	25 VELLE OUTS	ADD ISP PROFILE INEW									
1	MELICATION APPLICATION	150° profile id: s									
1	1017170	arguna ana "				10.07					
1	PANNESCUERS.	agit				10/01/18					
1	VINTELET	jander ser delle resolution				Lists prefix on DPI mode *					
	SPIS & LOUIS PROPERTS										
T	(Point	DPI nodes									
	Address TOP profes	Defend DPF resultes and parts which parating halfs: a TOP-11 is write on DPD system series i all not	in alignalizally								
	Although TON profile	BNDDE1	1 1	1	+						
	DRIVENSE SEAVEN	10178	<b>a</b> 0								
	EVENIE GLOBAL ETATE	Network learning									
	<b>BICTONAGES</b>	Churchenus									
		O Drivada									
		<ul> <li>Manual - auto</li> </ul>									
		And reports manually									
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		G. Danie west.					0.00	() were	() wet	i seata	
		008	- 19				17				
		© 18161616	Mend				34	and in the second second			

Click on the button "Save changes" or "Save and Disable/Enable".



# **Editing ISP Profile**

In the "ISPS & IGWS Profiles" section  $\rightarrow$  "ISPs list" click on the button "Edit Profile".

A modal form for creating/editing ISP profile will pop up; make the chenges you need and click on the "Save changes" or "Save and Disable/Enable" button.

# **Deleting ISP Profile**

In the "ISPS & IGWS Profiles" section  $\rightarrow$  "ISPs List" click on the "Delete" button and confirm/cancel the action.

SPECTREDM	IPPLA GAS PROPARE (IPPL)					an - 🗶 an
NULES	ISPS LIST					
APPLICATIONS & POL	OWOS Datest EP Profile from the last				Delet	e profile
ASN FILTER	C. Restars wart.					
IP-5-494 EX0LUDES	5 CT	Dett.	- Marine (Denoted	Toris	0040404	
ww16161	100				Dist.	
<ul> <li>IDPS &amp; KIN'S RECEIVE</li> <li>IDPs IN</li> <li>Address IDP potts</li> <li>IDPs IN</li> <li>Address IDP potts</li> <li>IDPs IN</li> </ul>	5 EXPORT				Angels Sur Ca	Incel/Confirm
Outubase sealor Gristen Budeau stur Dictionalities	×					



# **Policing Profile**

Chenge to the "Applications and Policings" prfoile  $\rightarrow$  "Policings Profiles".

SPECTRE DPI	IPPusations & Pousses i Pousses Promitis				0	() = -
RALES	POLICINGS PROFILES	an ise enabled and disabled. You can edit them. You ca	er ann HTB or 150F style patholog. TBF doesn't require sost sians b	of days require to the		
Policingo profileo DSCP Rules Pretocole Ret	C Edited week ISP name	Policing type HTB/TBF	Lung	DESCRIPTION	Edit policing	Ø
ASHFILTER P&ARNEXCLUDES	Enable/Disable	13	#130.00012 -00 < 1 > 30	~		1
NHIELSI     NHIELSI     NHIELSI	DIORT				Delete polici	ng
DRAMAGE SEARCH     SYSTEM GLOBAL STATE     DICTIONARES	Policings list					

# **Editing Policing Profile**

Click on the "Edit policing" button.

EDIT APPLICATION POLICING PROFILE	#1						
Policing profiles are connected to ISP profile. This profiles can be enabled and disabled. You can edit them. You can use HTB or TBF style policing. TBF doesn't require rost diass but dur't support traffic celling.							
Profile name: ISP1 (Enabled)					BP profile configuration		
Essolution *							
Patato Iga *	AUTOFILI.						
Inbound profile							
110	Mbps. ~			Enable			
- CDD RLSTE	Eps v	- CBB CBEL 190	Mips ~	Static	Applications CS8 list		
- 651 RATE	Eps ~	- CS1 ODL	Unit Misps ~	Static	Applications CS1 list		
- 052 RATE	Epa ~	- CS2 ODL	Unit Mips ~	Static	Applications CS2 list		
- 053 RATE	Dpa v	- 653 65L	Unit Maps ~	Static	Applications CS3 list		
654 RATE	Dpa v	- 054 OBL	Unit	Switc	Applications CS4 list		
655 RATE	Unit Bps ~	- 685 68L	Unit Mbps ~	Static	Applications CS5 list		

In the popup editing form:

note

- Enter policing description;
- Choose policing type TBF/HTB (form with class values will look different depending on the type selected)

You can use configuration autocomplete:

- For HTB type: rate=8Bps, ceil=value that was specified in autocomplete form;
- For TBF type: rate=value that was specified in autocomplete form.

Th save the changes click on the button "Save profile" or "Save and disable/eneble".

Thy policing profile is disabled by default.

#### **Deletenig Policing Profile**

There are two ways to delete the profile: by clicking "Delete profile" button in the list of policing profiles or the same button on Editing Profile page.

# **WEB and IP Filter**

### **Locking Rules List**

Change to the "WEB and IP Filter" section.

SPECTRE DPI	1000 1.0171200		Number of bl	ocked		10	🛞 al -
RILES	WEB & IP FILTER		resources (by	( type)			
Address rule	WebIP firewall summary						
Check demain Search database	TYPE A ACTIVE CT 8	2548LED 10196. 2 4		List of blocked			
APPLICATIONS & POLICIMES	04 4	4		lesources			
<ul> <li>Assimility</li> <li>IP &amp; ASN EXCLUDES</li> </ul>	Last entries in Web/IP register			<b>*</b>			
<ul> <li>VHITELIST</li> </ul>	C, Datable search						
<ul> <li>ISPS &amp; ISVS PROFILES</li> </ul>	RULE ID DATE	- TYPE	RESOLATE MAY	REPORTS VALUATED	RECEASER	READON	
<ul> <li>DATABASE SEARCH</li> </ul>	Ballal 1 DECISIC	10	min	"main	10101	Tarr	1
SYSTEM GLODAL STATE	Balled 1 DERIVED	84	min	min	3051	Ter	1
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and the rest of the rest	Ballar 1 DECIMIT	Cl	mains	main	1000 i	Tare	1
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	Balled 1 ELECTRON	11	10.0	tan	8261	Text	1
	94.001			1 3 35			1.00
	EXPORT					Edit rule	

# **Creating/Editing Locking Rules**

- To create new locking rule for a resource, change to the "WEB and IP Filter" section → "Add new rule";
- To edit an existing rule change to the "WEB and IP Filter" section and click on "Edit rule" button.

In the popup form:

- Choose the regulator;
- Choose the category;
- Enter rule public description;
- Enter rule hidden description;

#### ADD RULE #NEW

Rule Ht I	
Paraterie * REG 111 v	Conson * CAT1HI v
Public Description	- Description *  Immenul Description
The descriptor off he shown if you have public blackfol dilations:	The is indexed description being the in the line size is not a change state Validation form
Resource	¥ .
Beliect type of resource and put the URL_SNL CN, IP, IP-PORT or CDPI to this field.	The VALIDATE
X Validation result: This is SSUTLS resource. We can block FULL DOMANN     Not SNI and CN will be added to the lat.     SNI incobook.com     SNI "incobook.com     CN tacebook.com     CN tacebook.com	
	Validation result

In the resource validation form, enter the resource and choose its type:

- If it is not nesessary to validate the resourse, just click on "Add to the list" button;
- Click on the "Check" button. Information about the resource will be displayed. It can be added to the rule locking list. To do this, click the "Add to List" button.

List of resourses					
TYPE	RESOURCE BAIN	RESO	IRCE VALIDATED	STARUS	Delete resource
© 20	fambook com	* dealer	de com	Value	0
C 80	faculorek com	finited	.000	Value	0
• 01	foolook.com	*dote	di com	Valid	Ó
C CI	the elsewith stream	Index		Valid	0
CLEAR ALL			Resources list in the rule		
<ul> <li>Apply the rule to ISPs</li> </ul>	from the list				
Select ISP which the rule will be apply	ed				
ISP1					
SELECT ALL UN	SELECT M.L.				
Actions log		×	Applying the rule to ISP profile		
0.476	+ USER	ACTION	NEW VALUE	0	LD VALUE
		Data not found			
8.4 OF 8					5-04 <b>H</b> ,
SAVE CHANGES	SWEARD DISARCE				

In the subsection for binding rules to ISP profiles:

- If the option "Apply the rule to ISP from the list" is **disabled**, such rule will be global. Resources from this rule will be included in the global lists of blocked resources.
- If the option "Apply the rule to ISP from the list" is **enabled**, such rule will be applied only to those ISP profiles, which are noted in this rule. Resources from this rule will be included in the locking lists for these ISP profiles.

### **Deleting the Locking Rule**

Change to the "WEB and IP Filter" section and click on the "Edit the rule" button.

Select type of resource and put the URL, SNI,	CN, IP, IP.PORT or CIDR to this field.				
Resource			197. #91.		
⊕ A00 TO UST ← MPOR	T FROM FILE				
List of resourses					
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D 89	facebook.com	* face	dook.com	Tabl	
<ul> <li>Apply the rule to ISPs from the Actions log</li> </ul>	to list. The can write appreciae at the by orbot.				
047E	+ USER	ACTION	HEWWALDE	De	elete rule
IE28 304635	-	The rule created.			
H10P1		<c <="" <b="">1 &gt;</c>	20		540W 10.
SAVE CHANGES SAVE AN	D DISARLE EXPORT RULE				DELETE PRILE

**Attention**: Before deleting a rule, make sure it does not refer to any ISP profile.

# **Domain Check**

Change to the "WEB and IP Filter" section  $\rightarrow$  "Check domain".

SPECTRE DPI	MER & PF FEXEL D EOX 1040-00	01 -	() at -
RAES	CHECK DOMAIN		
HED & P?LTCR     Add new rule	Einer Par USE, with hughtige godis to shock resource smaller somet name		
Check domain     Search-skilabase	Bioconst unix. Bioconst		CHECK
APPLICATIONS & POLICINGS	k l		
PANNEXCLUDES	Domain check form		
<ul> <li>INNTELIST</li> <li>ISPS &amp; KINS PROFILES</li> </ul>			
<ul> <li>DKIABASE SEARCH</li> </ul>			
SYSTEM GLOBAL STATE     DICTIONARIES			

In the "Resourse Check" field type in the URL of resourse to be checked. Then click on the "Check" button. Information about the specified resource will be displayed below the form:

- SSL/TLS, locking type;
- Certificate information;
- DNS list;
- Recommendations about the values to use to lock this resource.

#### CHECK DOMAIN

Come of a low, and significant provide control relation to the control from the control fro	Certificate info
This is (SUITLS exercise Type of Meck in FULL COMMAR)     SSL/TLS, locking type	
Certificate general information	
Connectores	Me run
sen	
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35	fight-cosk
85	Read
31	wells a d
35	W.cm
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for type	Pa.
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Sechiev	1208 1016 18
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Thathe of onto	1

7/98 20AA/1668	ACIDMEER	71.	
A WCOM	121.391.44.81	39	
A	31.38.2845	30	
A Woom	22.38.68	29	
A Brown	21.34.3045	30	
20 Room	and Merchan and All	80	
16 Wcom	mi Nohu ar sk	900	
15 Heart	al Robust	80	
19 Rcom	ad Nobulat	900	
M2 Berne	cimirel as annuagable, com	30	
102 W.Om	Contrellin excession people cons	200	
OHD recursion: Na	-		
DPD incurrier. No			
Orch incursor, to Result Information			
BHD Incursor. He Result Information			
PtD incursor. No     Result Information     To block this resource only with certificate use		DNS list	
Other incursion: He Result Information  To block this resource only with certificate use  Other	bon.	DNS list	
	Weam *Meam	DNS list	
DEC Instanton III  Result Information  To block this resource only with certificate use  Of  Of  DE  DE  DE  DE  DE  DE  DE  DE  DE  D	Witten *84.000 Witten	DNS list	
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Definitions to the second of	Wiccies *86.008 Wiccies *266.008	DNS list ecommendations	

# Search the Database (among the blocking rules)

Change to the "WEB and IP Filter" section  $\rightarrow$  "Search Database".

In the "IP, CIDR, Domain, Notes" field enter the value in accordance with the prompts at the top of the page. Then choose type of search: Full Text, By Resources or By Description. Click on "Search" button.

As a result, all blocking rules that match the selected search parameters will be displayed.

SPE	CTRE DIPI	SMINIP WEEK PUTOVOCTO SASE				Ri - 🛞 unit -
•	ента ампътр чеда и р Добеть новое правет Просреть долер Понск то базе Приложезния и полисингия	ПОИСК ПО БАЗЕ Поех по базе дении Web-1P Испольнуйть " де и посте поносеко сло Испольнуйть " он и посте ден поеска игр Сельса поноса. • Соот, Сакон Колинатрал Асабоок соот	а, для понска по цайтону делегиной фраточ	Форма для поиз правил 🖌	CK.@	v Dana
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1	TRYONICK TO SASE	1 11-41 20 (0.12)	100	Sectors on	* Barrings com	and the second se
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Ŀ	CTINECHINE	14074		ec ( 1 ) 22		necasts 🖬 -
		34CDOPT	Результаты поиска			

# Whitelist

# Whitelist rule list

Change to the "Whitelist" section.

SPECTREDPI	9478.07					19 (	8 m -
WAES VIES A PPRIMA APPLICATION APPLICATIONS & POLICINOS ADD PLICE	WHITELIST Last entries in Whitelist register Network The lock of income exceptible resources in	ter Netoer					
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ISPS 5 10VIS PROFILES 0 DATABASE SEARCH	Bathel B ESTIMATO Bathel B ESTIMATO Bathel B ESTIMATO	101 01	Sense on Sense on Sense on	Series Se Tables Se Series Se	ND 11 ND 11 ND 11	Romanian Romanian Romanian Edit rule	× × ×
STISTEM GLOBHL STATE     BICTIONHRES	13.071 EEPOIT		Resources list	1 F 10		and and a second s	۰.

# Creating/Editing the white list

- To create a new white list rule change to the "Whitelist" section  $\rightarrow$  "Add new rule";
- To edit an existing rule change to the "White list" section and click on the "Edit rule" button.

In the popup form:

- Choose the regulator;
- Choose the caregory;
- Enter rule public description;
- Enter rule hidden description;

SPECTREDM	BetTurt Loo Nutienty	19. 🛞 ab -
NALES VIES S IN PACTES APPLICATIONS S POLICINGS	ADD RULE #NEW The loss of all-resources reace the resources of the resourc	
KON PECTOR      P 3 ASN EXECUTORS      NetTRLIST      Kold new role      Knie	Rale let 1  Rale l	
SP5 8 KINS PROFILES     SAMARISE SEARCH     SYSPER OLOBAL STATE     DICTIONARES	Productive from the same based based and the same based base	nayana kaya aka harra saka aka nanya ana
	Defailinge of measure and puller URL 3NL CR. PF IP PORT in CORVINE Net.	- Wilbert
	K Vehidedoo menghi: Too u UUU/UU onoonen / Mr uan bindi //UUU DOUALUU Ione UU and Cu unito annoonen / Hr unito Annoonen     Will Annoonen anno     Di Annoonen anno     Di Annoonen anno     Di Annoonen anno	
	🛞 ADD TO LET 🖉 MEDIT TROUTLE	

In the resource validation form, enter the resource and choose its type:

- If it is not nesessary to validate the resourse, just click on "Add to the list" button;
- Click on the "Check" button. Information about the resource will be displayed. It can be added to the rule locking list. To do this, click the "Add to List" button.

List of resources					
THE	RESOURCE NAME		RESOURCE VALONTED	\$54725	
C 20	industrian and		* destroit can	tani	0
• st	foileitom		fantosi, ma	5604	0
C CI	Restructures.		Advertised one	tana	0
• •	folieitom		fanfook.com	1666	0
CLEAR ALL					
Apply the rule to ISPs from the list					
Select ISP which the rule will be applied			N Reso	urces list	
SP1					
SELECT ALL UNSELECT ALL					
Actions log	Applying to ISP p	the rule rofile			
	UNER	ACTION	HENYAGE		DUT INUE
1541 30 06 38	4	The trib stantal.			
1-1 OP 1			1		5479 8.
SAVE CRANGES SAVE AND DISABLE	EXPORT RULE				DELETE HALE

In the subsection for binding rules to ISP profiles:

- If the option "Apply the rule to ISP from the list" is **disabled**, such rule will be global. Resources from this rule will be included in the global lists of blocked resources.
- If the option "Apply the rule to ISP from the list" is **enabled**, such rule will be applied only to those ISP profiles, which are noted in this rule. Resources from this rule will be included in the locking lists for these ISP profiles.

### Deleting a white list rule

Change to the "Whitelist" section and click on the "Edit the rule" button.

Resource					
bled type of resource and put the URL, DNI, Chi, 7	P. IP POINT or CICH to this field.				
Ramounta		101			
	IOM FILE				
list of resourses					
1.04	HEROLAGE MAR	REGUL	OF VALUE (TRD	6537.66	
• or	hotest.com	hotest		100	
<ul> <li>Di</li> </ul>	feelesion.	* desired		tasa	
• 10t	hotest.cm	hotest.		1804	
<ul> <li>BE</li> </ul>	factoria con	*dested		tana	
Apply the rule to ISPs from the in	The rule of its against for all title by indust.				
DAVE	- UNER	ACTON	NEW WORLD.	0.010	elete rule
1131.3998/20		Tarola point.			N
51.0F1		10 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1			SHOW 1

**Attention:** Before deleting a rule, make sure it does not refer to any ISP profile.

# Whitelist operating mode management

Change to the "Whitelist" section  $\rightarrow$  "Mode".

**1** 

SPECTRE DPI	
RULES	WHITELIST / MODE Global Whetelist Set made for data / Website it activates at Whitelist mass marked as global. The Global / Whitelist mass applied for at DFPs. Tank C Finable/Disable whitelist Whitelist Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates which connected to SP will be applied. Set Multiclines (SP for Whitele rates
SYSTEM GLOBIAL STATE     DICTIONARIES	

- With the global whitelist mode enabled, the whitelist service is applied to all ISP profiles and resource lists are formed only from global whitelist rules;
- When the whitelist mode is enabled for a separate ISP profile, the service is applied only to ISP which has it enabled. The lists are formed only from white list rules which refer to this ISP profile;
- If both mode are enabled, global and separate ISP rules lists are concatenated. For other ISPs, the whitelist service is used with only the global whitelist rules.

# Database search (global)

Change to the "Database search" section.

In the "IP, CIDR, Domain, Comment" field enter the value in accordance with the prompts at the top of the page, choose search type: Full Text, By Resources or By Description. Click on "Search" button.

As a result, all blocking rules (with type specified) that match the selected search parameters will be displayed.

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# **Task monitoring**

Change to the "State of the system" section.

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This section displays the task queue, status and time.

To see the details of the task, click on "Task Details".

# Logs

The logs for this section are stored in files:

```
/var/www/html/dpiui2/backend/storage/logs/ulr*.log
```

