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# Management

This service is configured for individual subscribers by `fdpi_ctrl`.

Instruction format:

```
fdpi_ctrl command --service 5 [Services_list] [IP_list]
```

The instruction syntax and IP addresses specification methods are described in details here: [Control instructions](#).

## Management of a default profile (service 5):

1. Enable the "white list" operation for the particular subscriber with **a default profile** (is specified in `etc/dpi/fastdpi.conf` configuration file):

```
fdpi_ctrl load --service 5 --ip 192.168.0.1
```

2. Disable the "white list" operation for the particular subscriber:

```
fdpi_ctrl del --service 5 --ip 192.168.0.1
```

## Management of a named profile (service 5):

1. In order to create **a named profile** and activate the locking service with a profile for several subscribers:

```
fdpi_ctrl load profile --service 5 --profile.name test_white --profile.json '{ "url_list" : "http://mysite.ru/myfile.bin" , "sni_list" : "http://mysite.ru/myfilesni.bin", "ip_list" : "http://mysite.ru/myfileip.bin", "cn_list" : "http://mysite.ru/myfilecn.bin", "redirect" : "mysite.ru/block" }'
```

here the following profile settings using the json format are specified:

- `redirect` — the redirection page<sup>1)2)</sup>
- `url_list` — white URL list
- `sni_list` — white SNI list
- `ip_list` — white list of IP:PORT pairs<sup>3)</sup>
- `cn_list` — white list of Common Name<sup>4)</sup>



The list can be placed both on an external resource - in this case it is loaded before it is used, and in a local file, for example, `cn_list : /tmp/cn_list.bin`

2. Connection of blocking service with a profile for multiple subscribers:

```
fdpi_ctrl load --service 5 --profile.name test_white --ip 192.168.0.1
fdpi_ctrl load --service 5 --profile.name test_white --login user01
```

3. To search for subscribers who have an activated alert service with the specified profile name:

```
fdpi_ctrl list all --service 5 --profile.name test_white
```

4. To delete a named profile(there should be no subscribers using this profile):

```
fdpi_ctrl del profile --service 5 --profile.name test_white
```

5. Change of service (profile) settings (new settings are applied to all subscribers with the specified service profile):

```
fdpi_ctrl load profile --service 5 --profile.name test_white --profile.json
'{ "url_list" : "http://mysite.ru/newfile.bin" , "ip_list" :
"http://mysite.ru/myfileip.bin", "cn_list" :
"http://mysite.ru/myfilecn.bin", "redirect" : "mysite.ru/block" }'
```

## Management of a named profile (service 16):

1. In order to create a **named profile** and activate the locking service with a profile for several subscribers:

```
fdpi_ctrl load profile --service 16 --profile.name portal_info_1 --
profile.json '{ "ip_list" : "/var/lib/dpi/ip_list_1.bin", "redirect" :
"http://info.com" }'
```

here the following profile settings using the json format are specified:

- `redirect` — the redirection page<sup>5)6)</sup>
- `ip_list` — white list of IP:PORT pairs<sup>7)</sup>

2. Connection of blocking service with a profile for multiple subscribers:

```
fdpi_ctrl load --service 16 --profile.name portal_info_1 --ip 192.168.0.1
fdpi_ctrl load --service 16 --profile.name portal_info_1 --login user01
```



When the service is activated, only TCP traffic is blocked. To block UDP traffic as well, you must [enable the `udp\_block` parameter](#).

3. To search for subscribers who have an activated service with the specified profile name:

```
fdpi_ctrl list all --service 16 --profile.name portal_info_1
```

4. To delete a named profile(there should be no subscribers using this profile):

```
fdpi_ctrl del profile --service 16 --profile.name portal_info_1
```

5. Change of service (profile) settings (new settings are applied to all subscribers with the specified service profile):

```
fdpi_ctrl load profile --service 16 --profile.name portal_info_1 --  
profile.json '{ "ip_list" : "/var/lib/dpi/new_ip_list_1.bin", "redirect" :  
"http://new.info.com" }'
```

1) 5)  
,

Attention: if you specify the https site, then you have to put the given domain on the list of SNI otherwise the domain will be blocked

2) 6)  
,

Additional parameters can be added (according to HTTP rules) only after ? or &, they must be specified in the URL for whitelisting and here you need to think for DPI, otherwise DPI will assign /?

3) 4)  
,

a check against the ip:port or cname is run if the request does not contain URL or SNI

7)

Check by IP:Port