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9 Support for subscribers with multiple IP

Subscribers with multiple IPs are treated by DPI as one subscriber: services and available bandwidth management are common to all the IPs belonging to such a subscriber. Often such a subscriber is a corporate user who was given a channel and an IP addresses set, and then he autonomously allocates the available resources.

Service and channel management for such a subscriber is performed by a codename (login) specified in [control commands](#) by corresponding `--login` long option. To support the DPI login binding feature you need to [activate the UDR](#).

The binding of IP addresses with this name is performed using the special command

```
fdpi_ctrl load --bind_multi --user subscriber_name:ip_address_or_range
```

IP addresses can be assigned to a subscriber as a single IP address or by IP addresses range:

```
192.168.0.1           single IPv4 address
192.168.0.1-192.168.0.5  range (includes the range boundaries)
192.168.0.0/30       CIDR
192.168.0.1,192.168.0.3  list
2a00:0:0:0:7aac:c0ff:fea7:d4c/64 IPv6 subnet
```

To delete all the IPs associated with login

```
fdpi_ctrl del --bind_multi --login subscriber_name
```

Deleting one of the IPs associated with login

```
fdpi_ctrl del --bind_multi --ip 192.168.0.1
```

To list all the IP addresses belonging to subscriber with multiple IPs

```
fdpi_ctrl list --bind_multi --login subscriber_name
```

To list all the subscribers with multiple IPs

```
fdpi_ctrl list all --bind_multi
```