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GTP Tunneling Protocol Settings

Section "charon.plugins.epdg-pgw.epdg.pgw"

Parameter	Description	Value
gtp {}	GTP protocol settings	

Example:

```
charon {
    plugins {
        epdg-pgw {
            epdg {
                iface = epdg
                pdn = ipv4
                pgw {
                    gtp {}
                }
            }
        }
    }
}
```

Section "charon.plugins.epdg-pgw.epdg.pgw.gtp"

Parameter	Description	Value
mcc	Operator's MCC	XXX
mnc	Operator's MNC	YYY
realm	Served realm	epc.mncYYY.mccXXX.3gppnetwork.org
gtp-server-name-1 {}	GTP server settings #1	
gtp-server-name-2 {}	GTP server settings #2	
gtp-server-name-n {}	GTP server settings #n	

Example:

```
charon {
    plugins {
        epdg-pgw {
            epdg {
                iface = epdg
                pdn = ipv4
                pgw {
                    gtp {
                        gtp-
server-name-1 {}
                        gtp-
server-name-2 {}
                    }
                }
            }
        }
    }
}
```

```
server-name-n {}
gtp-
```

Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n"

Parameter	Description	Value
apn	Served APN	
priority	Server priority	0-100
devname	Tunneling device	[tun][gtp]
devmode	Tunneling mode	[soft][kernel]
subnet	APN subnet	AAA.BBB.CCC.DDD/MM, 1111.2222.3333.4444.5555.6666.7777.8888/MM
qos {}	Default bearer QoS settings	
gtp-c {}	GTP-C settings	
gtp-u {}	GTP-U settings	

Example:

```
charon {
    plugins {
        epdg-pgw {
            epdg {
                iface = epdg
                pdn = ipv4
                pgw {
                    gtp {
                        gtp-
server-name-1 {
    apn = ims
    priority = 50
    devname = tun0
    subnet = 10.1.0.0/16,2001:10::0/48
    qos {}
    gtp-c {}
    gtp-u {}
    }
    gtp-
server-name-2 {
    apn = ims
    priority = 50
    devname = gtp0
    devmode = kernel
}
```

```

subnet = 10.1.0.0/16,2001:10::0/48
qos {}
gtp-c {}
gtp-u {}

```

Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n.qos"

Parameter	Description	Value
qci	QCI level	0-9
mbr_ul	Max bitrate uplink	kbits/s
mbr_dl	Max bitrate downlink	kbits/s
gbr_ul	Guaranteed bitrate uplink	kbits/s
gbr_dl	Guaranteed bitrate downlink	kbits/s

Example:

```
charon {
    plugins {
        epdg-pgw {
            epdg {
                iface = epdg
                pdn = ipv4
                pgw {
                    gtp {
                        gtp-
server-name-1 {
    apn = ims
    priority = 50
    devname = tun0
    subnet = 10.1.0.0/16,2001:10::0/48
    qos {
        qci = 5
        mbr_ul = 128
        mbr_dl = 128
        gbr_ul = 128
        gbr_dl = 128
    }
    gtp-c {}
    gtp-u {}
        }
    }
}
```

Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n.gtp-c"

Parameter	Description	Value
local	GTP-C client address	AAA.BBB.CCC.DDD, 1111.2222.3333.4444.5555.6666.7777.8888
remote	GTP-C server address	AAA.BBB.CCC.DDD, 1111.2222.3333.4444.5555.6666.7777.8888

Example:

```
charon {
    plugins {
        epdg-pgw {
            epdg {
                iface = epdg
                pdn = ipv4
                pgw {
                    gtp {
                        gtp-
server-name-1 {
    apn = ims
    priority = 50
    devname = tun0
    subnet = 10.1.0.0/16,2001:10::0/48
    qos {
        qci = 5
        mbr_ul = 128
        mbr_dl = 128
        gbr_ul = 128
        gbr_dl = 128
    }
    gtp-c {
        local = 192.168.1.1,2001:1::1
        remote = 192.168.2.1,2001:2::1
    }
    gtp-u {}
}
}
}
}
}
}
```

Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n.gtp-u"

Parameter	Description	Value
local	GTP-U client address	AAA.BBB.CCC.DDD, 1111.2222.3333.4444.5555.6666.7777.8888
remote	GTP-U server address	AAA.BBB.CCC.DDD, 1111.2222.3333.4444.5555.6666.7777.8888

Example:

```
charon {
    plugins {
        epdg-pgw {
            epdg {
                iface = epdg
                pdn = ipv4
                pgw {
                    gtp {
                        gtp-
server-name-1 {
    apn = ims
    priority = 50
    devname = tun0
    subnet = 10.1.0.0/16,2001:10::0/48
    qos {
    qci = 5
    mbr_ul = 128
    mbr_dl = 128
    gbr_ul = 128
    gbr_dl = 128
    }
    gtp-c {
    local = 192.168.1.1,2001:1::1
    remote = 192.168.2.1,2001:2::1
    }
    gtp-u {
    local = 192.168.1.1,2001:1::1
    remote = 192.168.2.1,2001:2::1
    }
    }
    }
    }
    }
    }
```