

# Содержание

<b>GTP Tunneling Protocol Settings .....</b>	<b>3</b>
<i>Section "charon.plugins.epdg-pgw.epdg.pgw"</i> .....	3
<i>Section "charon.plugins.epdg-pgw.epdg.pgw.gtp"</i> .....	3
<i>Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n"</i> .....	4
<i>Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n.qos"</i> .....	5
<i>Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n.gtp-c"</i> .....	6
<i>Section "charon.plugins.epdg-pgw.epdg.pgw.gtp.gtp-server-name-n.gtp-u"</i> .....	7



# 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 {}
                }
            }
        }
    }
}

server-name-1 {}

server-name-2 {}
```

```

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

## 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
                }
            }
        }
    }
}
```