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GTP Tunneling Protocol Settings

Section "fast-epdg.tunnel.pgw"

Parameter	Description	Value
gtp {}	GTP protocol settings	

Template:

```
fast-epdg {
  tunnel {
    iface =
    pdn =
    pgw {
      gtp {}
    }
  }
}
```

Example:

```
fast-epdg {
  tunnel {
    iface = epdg
    pdn = ipv4
    pgw {
      gtp {}
    }
  }
}
```

Section "fast-epdg.tunnel.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	

Template:

```
fast-epdg {
  tunnel {
    iface =
    pdn =
```

```

pgw {
    gtp {
        mcc =
        mnc =
        tac =
        cid =
        enbid =
        realm =
        gtp-server-name-1 {}
        gtp-server-name-2 {}
        gtp-server-name-n {}
    }
}

```

Example:

```

fast-epdg {
    tunnel {
        iface = epdg
        pdn = ipv4
        pgw {
            gtp {
                mcc =
                mnc =
                tac =
                cid =
                enbid =
                realm =
                gtp-server-name-1 {}
                gtp-server-name-2 {}
                gtp-server-name-n {}
            }
        }
    }
}

```

Section "fast-epdg.tunnel.pgw.gtp.gtp-server-name-n"

Parameter	Description	Value
apn	Served APN	ims
priority	Server priority	0-100
devname	Tunneling device	[tun][gtp]
devmode	Tunneling mode	[soft][kernel]

Parameter	Description	Value
subnet	APN subnet	IPv4: x.x.x.x/m, where x — a decimal number from 0 to 255, m — the subnet mask, a decimal number from 0 to 32 IPv6: y:y:y:y:y:y:y/n, where y — a hexadecimal number from 0000 to FFFF, n — the subnet mask, a decimal number from 0 to 128
qos {}	Default bearer QoS settings	
gtp-c {}	GTP-C settings	
gtp-u {}	GTP-U settings	

Template:

```

fast-epdg {
    tunnel {
        iface =
        pdn =
        pgw {
            gtp {
                mcc =
                mnc =
                tac =
                cid =
                enbid =
                realm =
                gtp-server-name-1 {
                    apn =
                    priority =
                    devname =
                    devmode =
                    subnet =
                    qos {}
                    gtp-c {}
                    gtp-u {}
                }
                gtp-server-name-2 {
                    apn =
                    priority =
                    devname =
                    devmode =
                    subnet =
                    qos {}
                    gtp-c {}
                    gtp-u {}
                }
            }
        }
    }
}

```

Example:

```

fast-epdg {
    tunnel {
        iface = epdg
        pdn = ipv4
        pgw {
            gtp {
                mcc =
                mnc =
                tac =
                cid =
                enbid =
                realm =
                gtp-server-name-1 {
                    apn = ims
                    priority = 50
                    devname = tun0
                    devmode =
                    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 "fast-epdg.tunnel.pgw.gtp.gtp-server-name-n.gtp-c"

Parameter	Description	Value
local	GTP-C client address	IPv4: x.x.x.x, where x — a decimal number from 0 to 255, IPv6: y:y:y:y:y:y:y:y, where y — a hexadecimal number from 0000 to FFFF,
remote	GTP-C server address	IPv4: x.x.x.x, where x — a decimal number from 0 to 255, IPv6: y:y:y:y:y:y:y:y, where y — a hexadecimal number from 0000 to FFFF,

Template:

```

fast-epdg {
    tunnel {
        iface =
        pdn =
        pgw {
            gtp {
                mcc =
                mnc =
                tac =
                cid =
                enbid =
                realm =
                gtp-server-name-1 {
                    apn =
                    priority =
                    devname =
                    devmode =
                    subnet =
                    qos {
                        qci =
                        mbr_ul =
                        mbr_dl =
                        gbr_ul =
                        gbr_dl =
                    }
                    gtp-c {
                        local =
                        remote =
                    }
                    gtp-u {}
                }
            }
        }
    }
}

```

Example:

```

fast-epdg {
    tunnel {
        iface = epdg
        pdn = ipv4
        pgw {
            gtp {
                mcc =
                mnc =
                tac =
                cid =
                enbid =
                realm =
                gtp-server-name-1 {

```



```

        gtp-server-name-1 {
            apn =
            priority =
            devname =
            devmode =
            subnet =
            qos {
                qci =
                mbr_ul =
                mbr_dl =
                gbr_ul =
                gbr_dl =
            }
            gtp-c {
                local =
                remote =
            }
            gtp-u {
                local =
                remote =
            }
        }
    }
}

```

Example:

```

fast-epdg {
    tunnel {
        iface = epdg
        pdn = ipv4
        pgw {
            gtp {
                mcc =
                mnc =
                tac =
                cid =
                enbid =
                realm =
                gtp-server-name-1 {
                    apn = ims
                    priority = 50
                    devname = tun0
                    devmode =
                    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
    }
}
}
```