



# AAA based PGW Selection for ePDG Initial Attach

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This chapter describes configuring AAA provided PGW-ID as top priority for PGW selection for initial attach using the CLI **prefer aaa-pgw-id** .

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## AAA Based PGW Selection

### Feature Description

ePDG allows to configure AAA provided PGW-ID as top priority for PGW selection for initial attach using the “prefer aaa-pgw-id” CLI under pgw-selection of epdg-service. By default this feature is disabled.

ePDG support PGW selection based on the configuration for the following options for the initial attach calls regardless of allocation type static or dynamic.

- AAA provided PGW ID (IP address as well as FQDN) when alloc type is dynamic or static
- APN-FQDN based PGW selection
- Local IP/FQDN based PGW selection

Following fall back combinations to be supported

1. AAA ->DNS
2. AAA ->Local
3. AAA->DNS->Local
4. AAA->Local->DNS



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**Note** AAA means PGW-ID provided from AAA server is considered for PGW selection. DNS means APN-FQDN is considered for PGW selection.

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**Note** In case of PGW FQDN configured locally, then ePDG will not consider local configuration regarding fallback and will consider DNS in case first selection will fail.

There is no change for PGW selection in handover scenario. ePDG is considering only PGW-ID (IP address/FQDN) for handover.

## Configuring AAA Based PGW Selection

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#### Syntax

```
configure
  epdg service
    [ no ] pgw-selection { agent-info error-terminate |
local-configuration-preferred | prefer aaa-pgw-id }
  end
```

#### show epdg-service all

The following show output variables are introduced for **show epdg-service all** command.

- AAA-PGW-ID(IP Address/FQDN)
- Local(IP address)
- DNS(APN-FQDN)