

FUI Redirection

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Revision History

Note Revision history details are not provided for features introduced before release 21.24.

Revision Details	Release
Added support for appending the original URL to the redirect URL.	21.28.m10
First introduced.	Pre 21.24

Feature Description

CUPS supports the Final Unit Indication (FUI) redirect feature on the Online Charging System (OCS) to configure automatic URL redirects for mobile subscribers whose quota is exhausted. When the subscriber quota is exhausted, this feature enables redirection to a pre-configured URL to recharge their account.

The OCS sends the FUI redirect information in one of the Diameter Attribute Value Pair (AVP) in the Credit Control Answer-Update (CCA-U) message. The FUI redirect information (when the feature is enabled at the OCS) is normally received when the OCS wants to indicate to the UPF that this is the last allocated unit before the subscriber quota is exhausted.

The FUI Redirection feature supports the following functionalities:

- FUI Redirection with HTTP URL
- FUI Redirection for the HTTP GET request
- Control the starting of validity timer for FUI redirect using the **diameter redirect-validity-timer immediate** CLI command.

  The **traffic-start** keyword option is not supported.

- Control the behavior of marking redirected HTTP flow as free-of-charge using the **diameter fui-redirected-flow allow** CLI command. The redirected traffic gets redirected if the rule is executed from FUI-Redirect.
- Appending the original URL to the redirect URL

  See the *Appending Original URL to Redirect URL* section for more information.

Limitations

The FUI Redirection feature has the following known limitations:

- No support for FUI Redirection with Filter-IDs or Filter-Rules.
- No support for token-based mechanism to exit redirection.
- No support for the WSP protocol in CUPS.
- No support for the **redirect-require-user-agent** CLI command to verify the presence of user agents in the HTTP header. Even if the user-agent is not configured, redirection works.