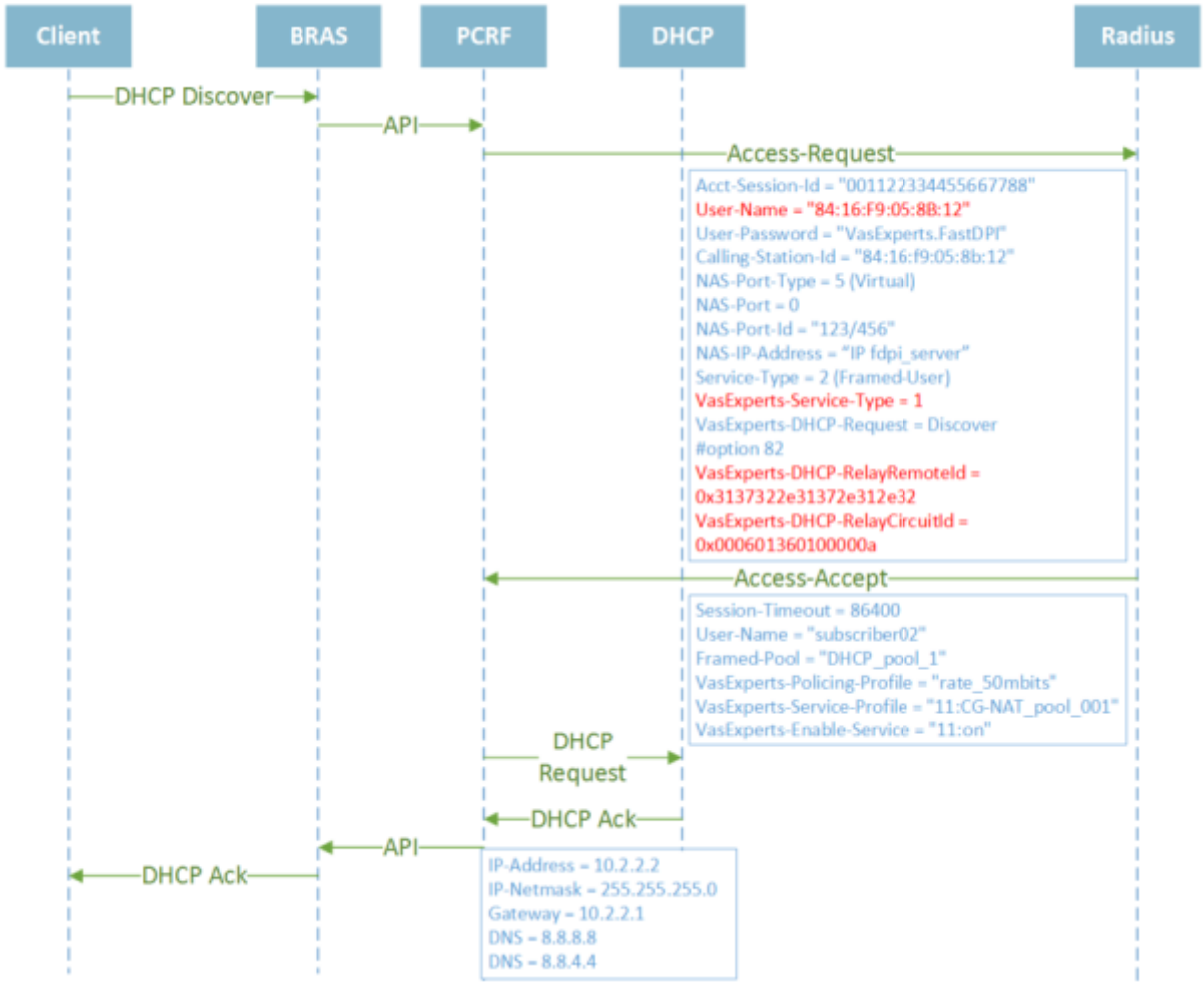
Table of Contents

Local DHCP (IP address pools) 3

Local DHCP (IP address pools)

Support for IP address pools for DHCP Radius Proxy and PPPoE modes has been added to the Stingray Service Gateway ver. 8.4.



Support for pools can be briefly described this way:
SSG expects to receive the subscriber IP address in the Radius `Access-Accept` response. A billing system behind the Radius server can provide the name of the address pool from which the address should be allocated to this subscriber rather than directly provide an IP address. The pool name is specified in the attribute **`Framed-Pool`** in case of IPv4 and in **`Framed-IPv6-Pool`** attribute in case of IPv6.
Once received pool name within the `Access-Accept`, FastPCRF requests the subscriber IP address from the DHCP server. Having received a response from the DHCP server, fastPCRF extracts the IP address from it, combines the options specified in the DHCP response with Access-Accept attributes, and sends the authorization response via fastdpi to the subscriber.

Technical details of configuring IP pools mode in fastPCRF and special features of particular modes are given below:

1. IPv4 pools - Framed-Pool attribute and fastPCRF configuring
2. IPv6 pools - Framed-IPv6-Pool attribute and fastPCRF configuring