Relay-Supplied DHCPv6 Precedence Options

draft-reddy-mif-dhcppv6-precedence-ops-02

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Agenda

- Relay-Supplied Prefix Option
- Address Selection option
Relay-Supplied Prefix Option

Temporary Address

Host 1 - EAP Supplicant

DHCPv6 Relay Agent

DHCPv6 Server

Disable IPv6 Temporary Address

Host2 - IP Address based Authentication – Web Auth
Relay-Supplied Prefix Option

• Managed Network, IPv6 addresses assigned using DHCPv6
• Conditionally disable Temporary addresses, based on Host Capabilities
• Avoid Excessive IP-based Authentication
• No Privacy loss for rest of the users
Discussion: DHCPv6 Reconfigure

- **DHCPv6 Server**
- **DHCPv6 Reconfigure Request – Address selection Option**
- **GW Router**
- **ISP A**
- **ISP B**

Next Steps

• Is it more appropriate in other Working groups?
• Split the draft?
Backup
Address Selection Option

- **Macro Cell Access**
- **DHCPv6**
- **Relay Agent**
- **LMA**
- **Home Network**
- **802.11 AP**
- **Internet**
- **Local Internet Offload Point**
- **Assigned Multiple prefixes**
- **App-1**
- **App-2**
Address Selection Option

MAG - DHCPv6
Relay Agent

Home Network - DHCPv6 Server

Alice

DHCPv6 Request

Relay-Forward

Address Selection option to the request

Merge Policy Table

Reply

Relay-Reply