

## Configuring How the Extended DHCP Local Server Determines Which Address-Assignment Pool To Use

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You can specify the method that the extended DHCP local server uses to determine which address-assignment pool provides the IP address and configuration for a DHCP client.

By default, the server selects the address-assignment pool to use by matching the IP address in the client DHCP request with the network address of the address-assignment pool. If the client request contains the gateway IP address (giaddr), the local server matches the giaddr to the address-assignment pool's address. If there is no giaddr in the request, then the DHCP local server matches the IP address of the receiving interface to the address of the address-assignment pool.

You can optionally configure the extended DHCP local server to match the DHCP relay agent information option (option 82) in the client DHCP packets to a named range in the address-assignment pool used for the client. Named ranges are subsets within the overall address-assignment pool address range, and are configured when you create the address-assignment pool.



**NOTE:** To use the DHCP local server option 82 matching feature, you must ensure that the `option-82` statement is included in the `dhcp-attributes` statement for the address-assignment pool.

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To configure the extended DHCP local server to match the DHCP relay agent information option (option 82) in the client DHCP packets to a named range in the address-assignment pool used for the client:

1. Access the `pool-match-order` configuration.

```
[edit system services dhcp-local-server]
user@host# edit pool-match-order
```

2. Specify the default pool matching method. You must configure the default method before configuring the optional Option 82 matching method.

```
[edit system services dhcp-local-server pool-match-order]
user@host# set ip-address-first
```

3. Specify the Option 82 matching method.

```
[edit system services dhcp-local-server pool-match-order]
user@host# set option-82
```

- Related Topics**
- [Configuring Address-Assignment Pools Overview](#)
  - [Extended DHCP Local Server Overview](#)
  - [Example: Extended DHCP Local Server Configuration with Optional Pool Matching](#)

