

## dhcp-local-server

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**Syntax** dhcp-local-server {  
    authentication {  
        password *password-string*;  
        username-include {  
            circuit-type;  
            delimiter *delimiter-character*;  
            domain-name *domain-name-string*;  
            logical-system-name;  
            mac-address;  
            option-60;  
            option-82 <circuit-id> <remote-id>;  
            routing-instance-name;  
            user-prefix *user-prefix-string*;  
        }  
    }  
    dynamic-profile *profile-name* <aggregate-clients (merge | replace) |  
        use-primary*primary-profile-name*>;  
    group *group-name* {  
        authentication {  
            password *password-string*;  
            username-include {  
                circuit-type;  
                delimiter *delimiter-character*;  
                domain-name *domain-name-string*;  
                logical-system-name;  
                mac-address;  
                option-60;  
                option-82 <circuit-id> <remote-id>;  
                routing-instance-name;  
                user-prefix *user-prefix-string*;  
            }  
        }  
        dynamic-profile *profile-name* <aggregate-clients (merge | replace) |  
            use-primary*primary-profile-name*>;  
        interface *interface-name* [upto *upto-interface-name*] [exclude];  
        overrides {  
            client-discover-match;  
            interface-client-limit *number*;  
            no-arp;  
        }  
    }  
    overrides {  
        client-discover-match;  
        interface-client-limit *number*;  
        no-arp;  
    }  
    pool-match-order {

```

        ip-address-first;
        option-82;
    }
    traceoptions {
        file filename <files number> <size size> <world-readable | no-world-readable> <match
            regex>;
        flag flag;
    }
}

```

**Hierarchy Level** [edit logical-systems *logical-system-name* routing-instances *routing-instance-name* system services],  
 [edit logical-systems *logical-system-name* system services],  
 [edit routing-instances *routing-instance-name* system services],  
 [edit system services]

**Release Information** Statement introduced in JUNOS Release 9.0.

**Description** Configure Dynamic Host Configuration Protocol (DHCP) local server options on the router and enable the router to function as an extended DHCP local server. The DHCP local server receives DHCP request and reply packets from DHCP clients and then responds with an IP address and other optional configuration information to the client.

The DHCP local server supports the attachment of dynamic profiles and also interacts with the local AAA Service Framework to use back-end authentication servers, such as RADIUS, to provide subscriber authentication. You can configure dynamic profile and authentication support on a global basis or for a specific group of interfaces.

The DHCP local server also supports the use of JUNOS software address-assignment pools or external authorities, such as RADIUS, to provide the client address and configuration information.

The extended DHCP local server is incompatible with the J-series DHCP server and is not supported on the J-series Services Router. Also, the DHCP local server and the DHCP/BOOTP relay, which are configured under the [edit forwarding-options helpers] hierarchy level, cannot both be enabled on the router at the same time. The extended DHCP local server is fully compatible with the extended DHCP relay feature.



**NOTE:** When you configure the **dhcp-local-server** statement at the routing instance hierarchy level, you must use a routing instance type of virtual-router.

The statements are explained separately.

**Required Privilege Level** system—To view this statement in the configuration.  
 system-control—To add this statement to the configuration.

**Related Topics**

- Extended DHCP Local Server Overview
- address-assignment
- dhcp-attributes