

Juniper SRX 日本語マニュアル

DHCP Relay の CLI 設定

JUNIPER
NETWORKS

Engineering
Simplicity

はじめに

DHCP Relay の CLI 設定について説明します。

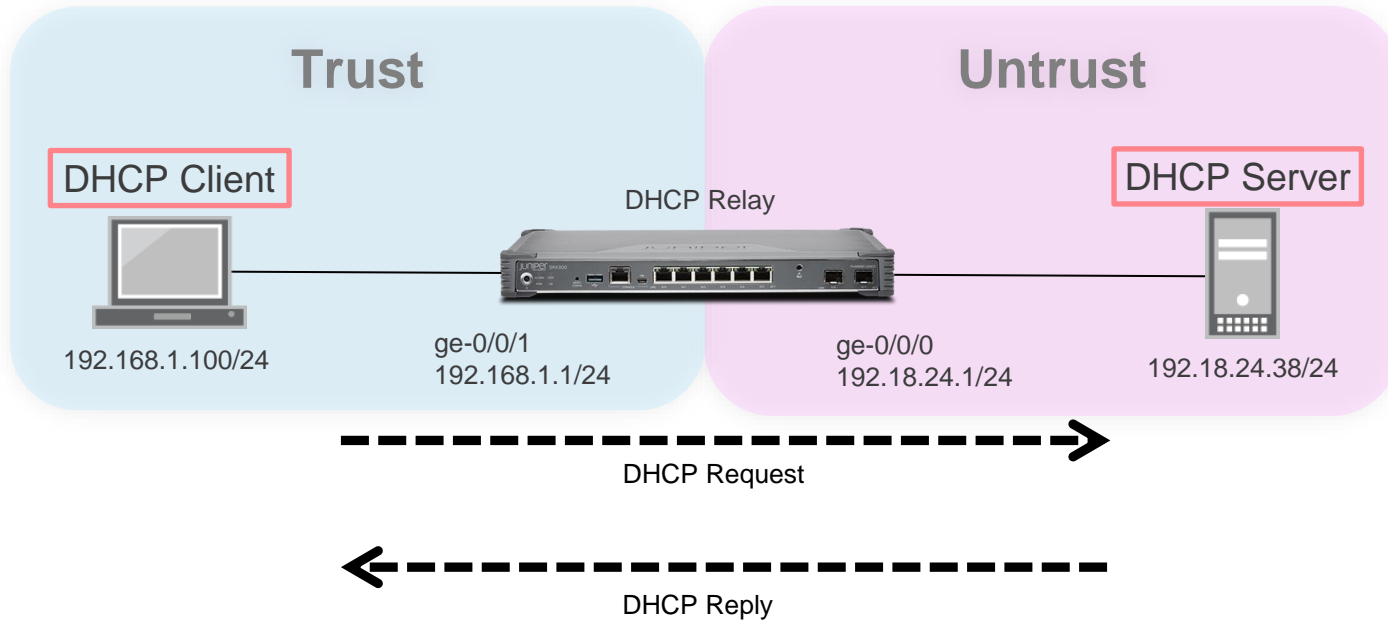
※手順内容は「SRX300」、JUNOS「19.4R3-S1」にて確認を実施しております。
実際の設定内容やパラメータは導入する環境や構成によって異なります。
各種設定内容の詳細は下記リンクよりご確認ください。

<https://www.juniper.net/documentation/>

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DHCP Relay

構成概要



DHCP Relay

1. DHCP Server のアドレスを指定

```
user@srx# set forwarding-options dhcp-relay server-group SERVER-addr 192.18.24.38
user@srx# set forwarding-options dhcp-relay active-server-group SERVER-addr
```

2. DHCP Request を受信するインタフェースを指定

```
user@srx# set forwarding-options dhcp-relay group DHCP-if interface ge-0/0/1.0
```

3. セキュリティゾーンをバインドし、DHCP サービスを許可

```
user@srx# set security zones security-zone trust interfaces ge-0/0/1.0 host-inbound-traffic
system-services dhcp
user@srx# set security zones security-zone untrust interfaces ge-0/0/0.0 host-inbound-traffic
system-services dhcp
```

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4. DHCP の Request、Reply が通過できるポリシーを設定

```
user@srx# set security zones security-zone untrust address-book address DHCP-server 192.18.24.38/32
user@srx# set security policies from-zone trust to-zone untrust policy DHCP-request match source-address any
user@srx# set security policies from-zone trust to-zone untrust policy DHCP-request match destination-
address DHCP-server
user@srx# set security policies from-zone trust to-zone untrust policy DHCP-request match application any
user@srx# set security policies from-zone trust to-zone untrust policy DHCP-request then permit
user@srx# set security policies from-zone untrust to-zone trust policy DHCP-reply match source-address
DHCP-server
user@srx# set security policies from-zone untrust to-zone trust policy DHCP-reply match destination-address
any
user@srx# set security policies from-zone untrust to-zone trust policy DHCP-reply match application any
user@srx# set security policies from-zone untrust to-zone trust policy DHCP-reply then permit
```

DHCP Relay

設定の確認

```
user@srx# show
security {
  policies {
    from-zone trust to-zone untrust {
      policy DHCP-request {
        match {
          source-address any;
          destination-address DHCP-server;
          application any;
        }
        then {
          permit;
        }
      }
    }
    from-zone untrust to-zone trust {
      policy DHCP-reply {
        match {
          source-address DHCP-server;
          destination-address any;
          application any;
        }
        then {
          permit;
        }
      }
    }
  }
}
```

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設定の確認

```
zones {
  security-zone untrust {
    address-book {
      address DHCP-server 192.18.24.38/32;
    }
    interfaces {
      ge-0/0/0.0 {
        host-inbound-traffic {
          system-services {
            dhcp;
          }
        }
      }
    }
  }
}
```

DHCP Relay

設定の確認

```
forwarding-options {
  dhcp-relay {
    server-group {
      SERVER-addr {
        192.18.24.38;
      }
    }
  }
  active-server-group SERVER-addr;
  group DHCP-if {
    interface ge-0/0/1.0;
  }
}
```