Juniper SRX 日本語マニュアル

DHCP Relay の CLI 設定

はじめに

◆ 本マニュアルは、DHCP Relay の CLI 設定について説明します

◆ 手順内容は SRX300 、Junos 21.2R3-S2 にて確認を実施しております

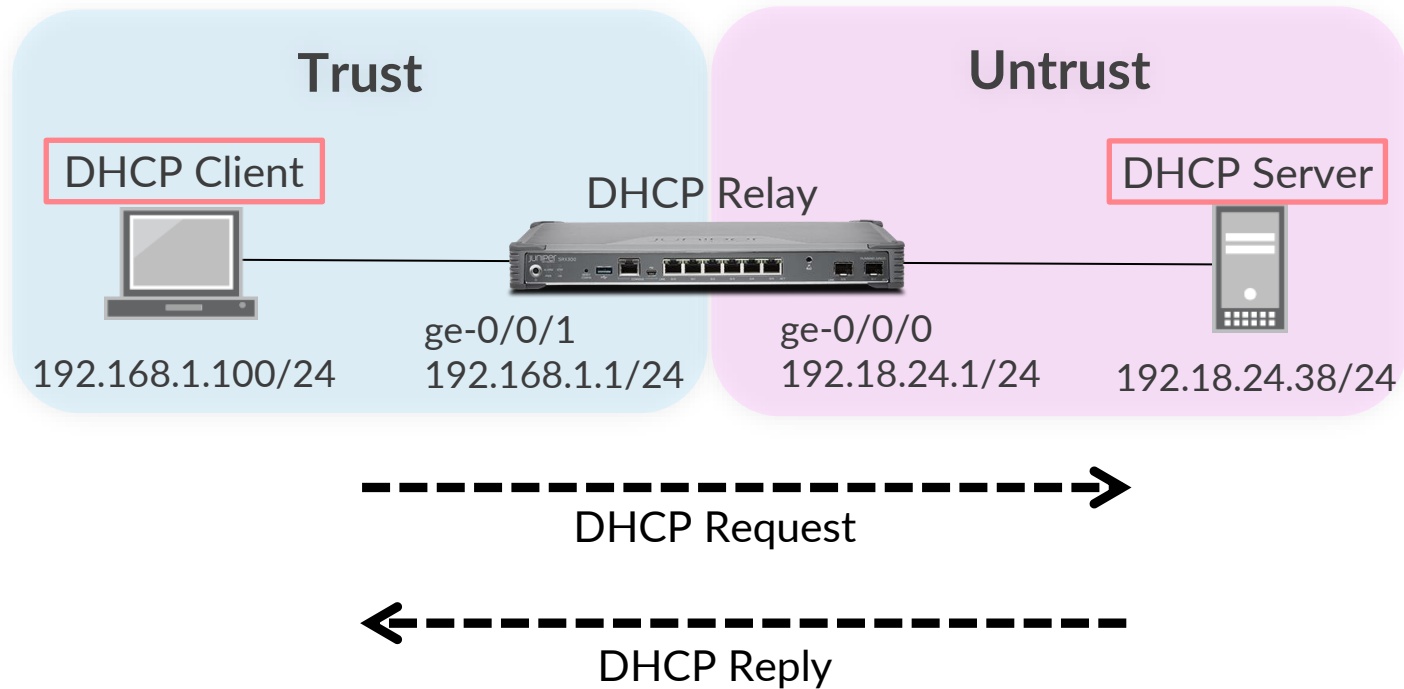◆ 実際の設定内容やパラメータは導入する環境や構成によって異なります

  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/

◆ 他にも多数の SRX 日本語マニュアルを「ソリューション＆テクニカル情報サイト」に掲載しております

  https://www.juniper.net/jp/ja/local/solution-technical-information/security.html

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DHCP Relay

構成概要

DHCP Relay

1. DHCP Server のアドレスを指定します

```
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します

```
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 サービスを許可します

```
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
```

4. DHCP の Request 、Reply が通過できるポリシーを設定します

```
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 1

```
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;
                }
            }
        }
    }
```

DHCP Relay

設定の確認 2

```
zones {
    security-zone trust {
        interfaces {
            ge-0/0/1.0 {
                host-inbound-traffic {
                    system-services {
                        dhcp;
                    }
                }
            }
        }
    }
    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 3

```
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;
        }
    }
}
```

Thank you

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