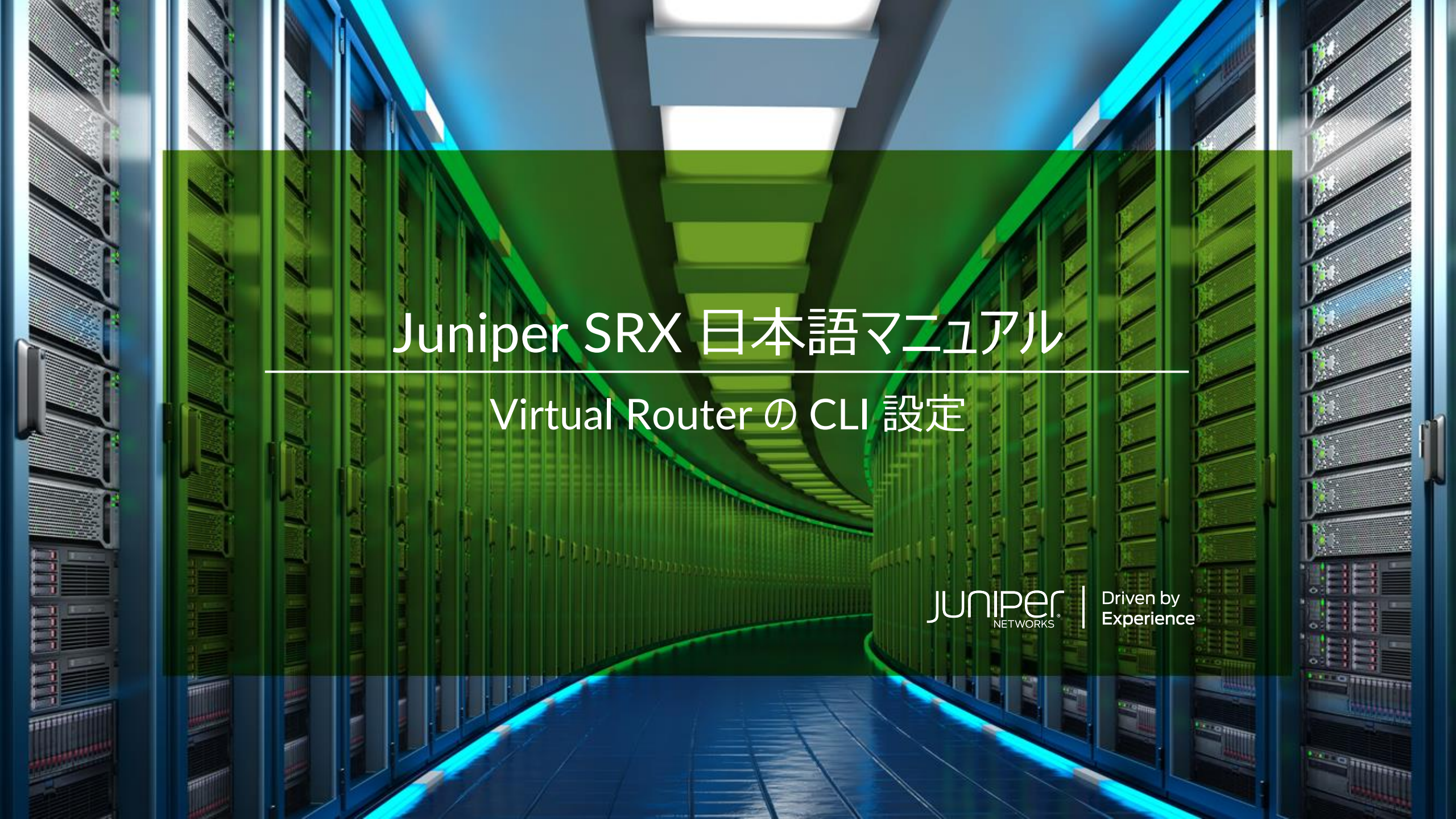

Juniper SRX 日本語マニュアル

Virtual Router の CLI 設定

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はじめに

- 本マニュアルは、 Virtual Router 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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Virtual Router

以下の設定を行う場合のコマンド例となります

- 2 つの Virtual Router を作成 (blue-vr / red-vr)
- 各 Virtual Router にそれぞれ 1 つのインタフェースを割り当て
- 各インタフェースをそれぞれの Security Zone に割り当て

Virtual Router

1. インタフェースに IP アドレスを割り当てます

```
user@arx# set interface ge-0/0/2 unit 0 family inet address 6.6.6.5/24
user@arx# set interface ge-0/0/3 unit 0 family inet address 7.7.7.5/24
```

2. Virtual Router を作成します

```
user@arx# set routing-instances blue-vr instance-type virtual-router
```

3. インタフェースを Virtual Router に割り当てます

```
user@arx# set routing-instances blue-vr interface ge-0/0/2.0
```

4. Virtual Router を作成します

```
user@arx# set routing-instances red-vr instance-type virtual-router
```

5. インタフェースを Virtual Router に割り当てます

```
user@arx# set routing-instances red-vr interface ge-0/0/3.0
```

Virtual Router

6. Security Zone を作成します

```
user@arx# set security zones security-zone blue-trust
```

7. インタフェースを Security Zone に割り当てます

```
user@arx# set security zones security-zone blue-trust interfaces ge-0/0/2.0
```

8. Security Zone を作成します

```
user@arx# set security zones security-zone red-trust
```

9. インタフェースを Security Zone に割り当てます

```
user@arx# set security zones security-zone red-trust interfaces ge-0/0/3.0
```

10. Routing Policy を作成します

```
user@arx# set policy-options policy-statement from_blue_to_red term term1 from instance blue-vr
user@arx# set policy-options policy-statement from_blue_to_red term term1 then accept
```

Virtual Router

11. Routing Policy を適用します

```
user@srx# set routing-instances red-vr routing-options instance-import from_blue_to_red
```

12. Security Policy を作成します（ blue-trust → red-trust ）

```
user@srx# set security policies from-zone blue-trust to-zone red-trust policy default-permit match source-address any
user@srx# set security policies from-zone blue-trust to-zone red-trust policy default-permit match destination-address any
user@srx# set security policies from-zone blue-trust to-zone red-trust policy default-permit match application any
user@srx# set security policies from-zone blue-trust to-zone red-trust policy default-permit then permit
```

13. Security Policy を作成します（ red-trust → blue-trust ）

```
user@srx# set security policies from-zone red-trust to-zone blue-trust policy default-permit match source-address any
user@srx# set security policies from-zone red-trust to-zone blue-trust policy default-permit match destination-address any
user@srx# set security policies from-zone red-trust to-zone blue-trust policy default-permit match application any
user@srx# set security policies from-zone red-trust to-zone blue-trust policy default-permit then permit
```

Virtual Router

設定の確認 1

```
user@srx# show
security {
    policies {
        from-zone blue-trust to-zone red-trust {
            policy default-permit {
                match {
                    source-address any;
                    destination-address any;
                    application any;
                }
                then {
                    permit;
                }
            }
        }
        from-zone red-trust to-zone blue-trust {
            policy default-permit {
                match {
                    source-address any;
                    destination-address any;
                    application any;
                }
                then {
                    permit;
                }
            }
        }
    }
```

Virtual Router

設定の確認 2

```
    zones {
        security-zone blue-trust {
            interfaces {
                ge-0/0/2.0;
            }
        }
        security-zone red-trust {
            interfaces {
                ge-0/0/3.0;
            }
        }
    }
}
interfaces {
    ge-0/0/2 {
        unit 0 {
            family inet {
                address 6.6.6.5/24;
            }
        }
    }
    ge-0/0/3 {
        unit 0 {
            family inet {
                address 7.7.7.5/24;
            }
        }
    }
}
```

Virtual Router

設定の確認 3

```
policy-options {
    policy-statement from_blue_to_red {
        term term1 {
            from instance blue-vr;
            then accept;
        }
    }
}
routing-instances {
    blue-vr {
        interface ge-0/0/2.0;
        instance-type virtual-router;
    }
    red-vr {
        interface ge-0/0/3.0;
        instance-type virtual-router;
        routing-options {
            instance-import from_blue_to_red;
        }
    }
}
```

Virtual Router

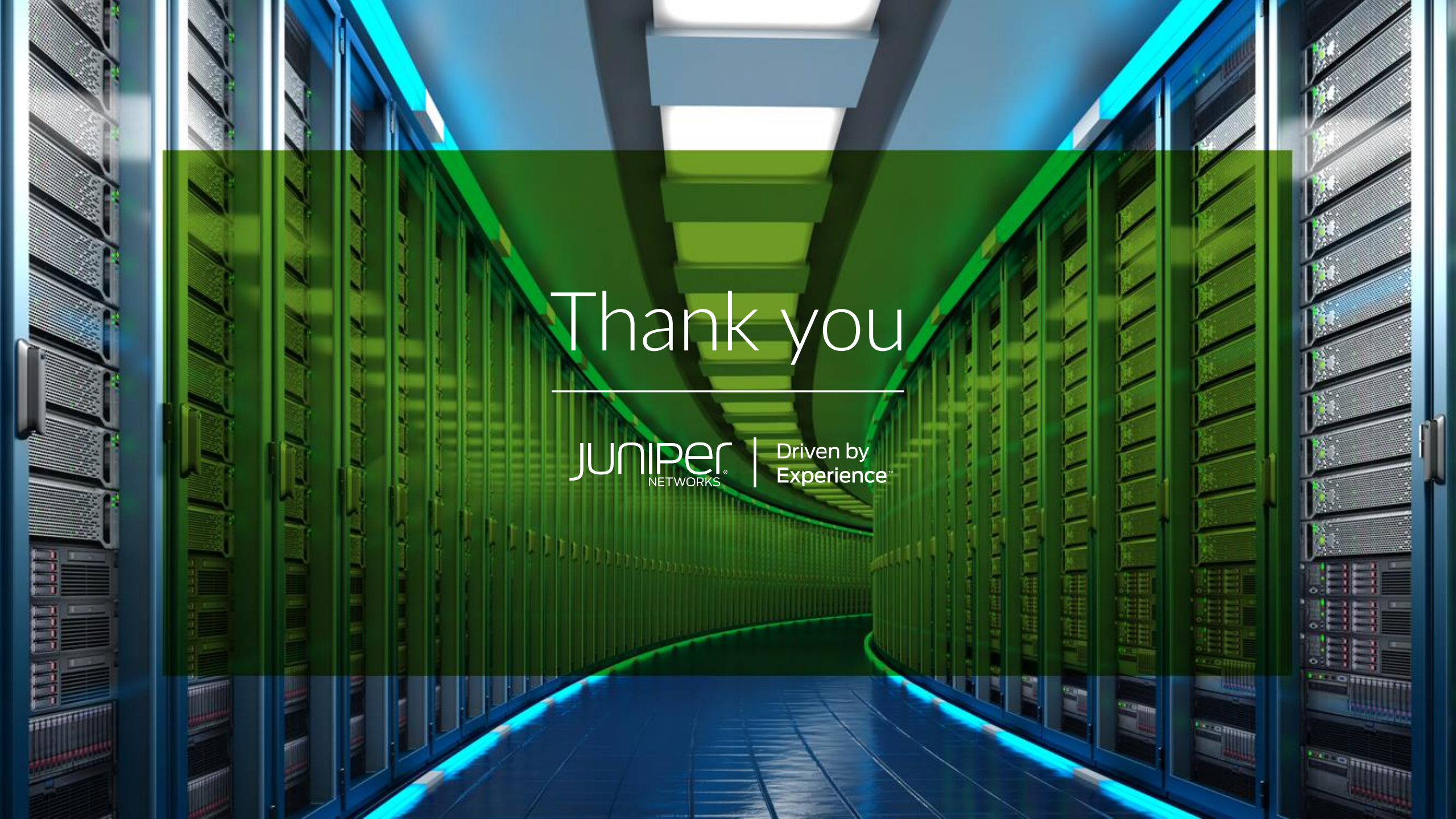
ルーティングテーブルの確認

```
user@srx> show route

blue-vr.inet.0: 2 destinations, 2 routes (2 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

6.6.6.0/24         *[Direct/0] 00:01:13
                    >  via ge-0/0/2.0
6.6.6.5/32         *[Local/0] 00:01:13
                       Local via ge-0/0/2.0

red-vr.inet.0: 4 destinations, 4 routes (4 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

6.6.6.0/24         *[Direct/0] 00:01:13
                    >  via ge-0/0/2.0
6.6.6.5/32         *[Local/0] 00:01:13
                       Local via ge-0/0/2.0
7.7.7.0/24         *[Direct/0] 00:01:13
                    >  via ge-0/0/3.0
7.7.7.5/32         *[Local/0] 00:01:13
                       Local via ge-0/0/3.0
```

Virtual Router

ルーティングインスタンスの確認

```
user@srx> show route instance
Instance             Type
         Primary RIB                                 Active/holddown/hidden
master               forwarding
         inet6.0                                     1/0/0

__juniper_private1__ forwarding
         __juniper_private1__.inet.0                 7/0/0

__juniper_private2__ forwarding
         __juniper_private2__.inet.0                 0/0/1

__master.anon__      forwarding

blue-vr              virtual-router
         blue-vr.inet.0                              2/0/0
         blue-vr.inet6.0                             1/0/0

mgmt_junos           forwarding

red-vr               virtual-router
         red-vr.inet.0                               4/0/0
         red-vr.inet6.0                              1/0/0
```


Thank you
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