Juniper SRX 日本語マニュアル

Hub-and-Spoke VPN の CLI 設定



Driven by Experience



- ◆ 本マニュアルは、Hub-and-Spoke VPN 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 <u>https://www.juniper.net/jp/ja/local/solution-technical-information/security.html</u>

Hub-and-Spoke VPN

構成概要



1. インタフェースを設定します

user@SRX-Corporate# set interfaces ge-0/0/0 unit 0 family inet address 10.10.10.1/24 user@SRX-Corporate# set interfaces ge-0/0/3 unit 0 family inet address 1.1.1.2/30 user@SRX-Corporate# set interfaces st0 unit 0 family inet address 10.11.11.10/24

2. インタフェースをセキュリティゾーンにバインドします

user@SRX-Corporate# set security zones security-zone untrust interfaces ge-0/0/3.0
user@SRX-Corporate# set security zones security-zone untrust host-inbound-traffic system-services ike
user@SRX-Corporate# set security zones security-zone trust interfaces ge-0/0/0.0
user@SRX-Corporate# set security zones security-zone trust host-inbound-traffic system-services all
user@SRX-Corporate# set security zones security-zone vpn interfaces st0.0

3. ルーティングを設定します

user@SRX-Corporate# set routing-options static route 0.0.0.0/0 next-hop 1.1.1.1
user@SRX-Corporate# set routing-options static route 192.168.168.0/24 next-hop 10.11.11.11
user@SRX-Corporate# set routing-options static route 192.168.178.0/24 next-hop 10.11.11.12

4. アドレスブックを設定します

user@SRX-Corporate# set security address-book book1 address local-net 10.10.10.0/24 user@SRX-Corporate# set security address-book book1 attach zone trust user@SRX-Corporate# set security address-book book2 address sunnyvale-net 192.168.168.0/24 user@SRX-Corporate# set security address-book book2 address westford-net 192.168.178.0/24 user@SRX-Corporate# set security address-book book2 attach zone vpn

5. IKE (Phase1 接続 プロファイル・ポリシー・ゲートウェイ)を設定します

user@SRX-Corporate# set security ike proposal ike-phase1-proposal authentication-method pre-shared-keys
user@SRX-Corporate# set security ike proposal ike-phase1-proposal dh-group group2
user@SRX-Corporate# set security ike proposal ike-phase1-proposal authentication-algorithm sha1
user@SRX-Corporate# set security ike proposal ike-phase1-proposal encryption-algorithm aes-128-cbc
user@SRX-Corporate# set security ike policy ike-phase1-policy mode main
user@SRX-Corporate# set security ike policy ike-phase1-policy proposals ike-phase1-proposal
user@SRX-Corporate# set security ike policy ike-phase1-policy pre-shared-key ascii-text ``\$ABC123"
user@SRX-Corporate# set security ike gateway gw-westford external-interface ge-0/0/3.0
user@SRX-Corporate# set security ike gateway gw-westford ike-policy ike-phase1-policy
user@SRX-Corporate# set security ike gateway gw-westford address 3.3.3.2
user@SRX-Corporate# set security ike gateway gw-sunnyvale external-interface ge-0/0/3.0
user@SRX-Corporate# set security ike gateway gw-sunnyvale ike-policy ike-phase1-policy
user@SRX-Corporate# set security ike gateway gw-sunnyvale address 2.2.2.2

6. IPsec (Phase2 接続 プロポーサル・ポリシー・VPN)を設定します

user@SRX-Corporate# set security ipsec proposal ipsec-phase2-proposal protocol esp
user@SRX-Corporate# set security ipsec proposal ipsec-phase2-proposal authentication-algorithm hmac-sha1-96
user@SRX-Corporate# set security ipsec proposal ipsec-phase2-proposal encryption-algorithm aes-128-cbc
user@SRX-Corporate# set security ipsec policy ipsec-phase2-policy proposals ipsec-phase2-proposal
user@SRX-Corporate# set security ipsec policy ipsec-phase2-policy perfect-forward-secrecy keys group2
user@SRX-Corporate# set security ipsec vpn vpn-westford ike gateway gw-westford
user@SRX-Corporate# set security ipsec vpn vpn-westford ike ipsec-policy ipsec-phase2-policy
user@SRX-Corporate# set security ipsec vpn vpn-westford bind-interface st0.0
user@SRX-Corporate# set security ipsec vpn vpn-sunnyvale ike gateway gw-sunnyvale
user@SRX-Corporate# set security ipsec vpn vpn-sunnyvale ike ipsec-policy ipsec-phase2-policy
user@SRX-Corporate# set security ipsec vpn vpn-sunnyvale bind-interface st0.0
user@SRX-Corporate# set interfaces st0 unit 0 multipoint
user@SRX-Corporate# set interfaces st0 unit 0 family inet next-hop-tunnel 10.11.11.11 ipsec-vpn vpn-sunnyvale
user@SRX-Corporate# set interfaces st0 unit 0 family inet next-hop-tunnel 10.11.11.12 ipsec-vpn vpn-westford

TCP MSS 設定を調整します
 ※利用環境に合わせて調整する必要あり

user@SRX-Corporate# set security flow tcp-mss ipsec-vpn mss 1350

8. セキュリティポリシーを設定します

user@SRX-Corporate# set security policies from-zone trust to-zone vpn policy local-to-spokes match source-address local-net
user@SRX-Corporate# set security policies from-zone trust to-zone vpn policy local-to-spokes match destination-address sunnyvale-net
user@SRX-Corporate# set security policies from-zone trust to-zone vpn policy local-to-spokes match destination-address westford-net
user@SRX-Corporate# set security policies from-zone trust to-zone vpn policy local-to-spokes match application any
user@SRX-Corporate# set security policies from-zone trust to-zone vpn policy local-to-spokes then permit
user@SRX-Corporate# set security policies from-zone vpn to-zone trust policy spokes-to-local match source-address sunnyvale-net
user@SRX-Corporate# set security policies from-zone vpn to-zone trust policy spokes-to-local match source-address westford-net
user@SRX-Corporate# set security policies from-zone vpn to-zone trust policy spokes-to-local match destination-address local-net
user@SRX-Corporate# set security policies from-zone vpn to-zone trust policy spokes-to-local match application any
user@SRX-Corporate# set security policies from-zone vpn to-zone trust policy spokes-to-local then permit
user@SRX-Corporate# set security policies from-zone vpn to-zone vpn policy spoke-to-spoke match source-address any
user@SRX-Corporate# set security policies from-zone vpn to-zone vpn policy spoke-to-spoke match destination-address any
user@SRX-Corporate# set security policies from-zone vpn to-zone vpn policy spoke-to-spoke match application any
user@SRX-Corporate# set security policies from-zone vpn to-zone vpn policy spoke-to-spoke then permit

1. インタフェースを設定します

user@SRX-Westford# set interfaces ge-0/0/0 unit 0 family inet address 3.3.3.2/30 user@SRX-Westford# set interfaces ge-0/0/3 unit 0 family inet address 192.168.178.1/24 user@SRX-Westford# set interfaces st0 unit 0 family inet address 10.11.11.12/24

2. インタフェースをセキュリティゾーンにバインドします

user@SRX-Westford# set security zones security-zone untrust interfaces ge-0/0/0.0
user@SRX-Westford# set security zones security-zone untrust host-inbound-traffic system-services ike
user@SRX-Westford# set security zones security-zone trust interfaces ge-0/0/3.0
user@SRX-Westford# set security zones security-zone trust host-inbound-traffic system-services all
user@SRX-Westford# set security zones security-zone vpn interfaces st0.0

3. ルーティングを設定します

user@SRX-Westford# set routing-options static route 0.0.0.0/0 next-hop 3.3.3.1 user@SRX-Westford# set routing-options static route 10.10.10.0/24 next-hop 10.11.11.10 user@SRX-Westford# set routing-options static route 192.168.168.0/24 next-hop 10.11.11.10

4. アドレスブックを設定します

user@SRX-Westford# set security address-book book1 address local-net 192.168.178.0/24 user@SRX-Westford# set security address-book book1 attach zone trust user@SRX-Westford# set security address-book book2 address corp-net 10.10.10.0/24 user@SRX-Westford# set security address-book book2 address sunnyvale-net 192.168.168.0/24 user@SRX-Westford# set security address-book book2 attach zone vpn

5. IKE (Phase1 接続 プロファイル・ポリシー・ゲートウェイ)を設定します

user@SRX-Westford# set security ike proposal ike-phasel-proposal authentication-method pre-shared-keys
user@SRX-Westford# set security ike proposal ike-phasel-proposal dh-group group2
user@SRX-Westford# set security ike proposal ike-phasel-proposal authentication-algorithm shal
user@SRX-Westford# set security ike proposal ike-phasel-proposal encryption-algorithm aes-128-cbc
user@SRX-Westford# set security ike policy ike-phasel-policy mode main
user@SRX-Westford# set security ike policy ike-phasel-policy proposals ike-phasel-proposal
user@SRX-Westford# set security ike policy ike-phasel-policy proposals ike-phasel-proposal
user@SRX-Westford# set security ike policy ike-phasel-policy pre-shared-key ascii-text "\$ABC123"
user@SRX-Westford# set security ike gateway gw-corporate external-interface ge-0/0/0.0
user@SRX-Westford# set security ike gateway gw-corporate ike-policy ike-phasel-policy
user@SRX-Westford# set security ike gateway gw-corporate address 1.1.1.2

6. IPsec (Phase2 接続 プロポーサル・ポリシー・ VPN)を設定します

user@SRX-Westford# set security ipsec proposal ipsec-phase2-proposal protocol esp user@SRX-Westford# set security ipsec proposal ipsec-phase2-proposal authentication-algorithm hmac-shal-96 user@SRX-Westford# set security ipsec proposal ipsec-phase2-proposal encryption-algorithm aes-128-cbc user@SRX-Westford# set security ipsec policy ipsec-phase2-policy proposals ipsec-phase2-proposal user@SRX-Westford# set security ipsec policy ipsec-phase2-policy perfect-forward-secrecy keys group2 user@SRX-Westford# set security ipsec vpn vpn-corporate ike gateway gw-corporate user@SRX-Westford# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Westford# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Westford# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Westford# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Westford# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy

7. TCP MSS 設定を調整します

user@SRX-Westford# set security flow tcp-mss ipsec-vpn mss 1350

8. セキュリティポリシーを設定します

user@SRX-Westford# set security policies from-zone trust to-zone vpn policy to-corporate match source-address local-net user@SRX-Westford# set security policies from-zone trust to-zone vpn policy to-corporate match destination-address corp-net user@SRX-Westford# set security policies from-zone trust to-zone vpn policy to-corporate match application any user@SRX-Westford# set security policies from-zone trust to-zone vpn policy to-corporate then permit user@SRX-Westford# set security policies from-zone trust to-zone vpn policy to-corporate then permit user@SRX-Westford# set security policies from-zone trust to-zone trust policy from-corporate match source-address corp-net user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match source-address corp-net user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match destination-address local-net user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match destination-address local-net user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match destination-address local-net user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Westford# set security policies from-zone vpn to-zone trust policy from-corporate then permit



1. インタフェースを設定します

user@SRX-Sunnyvale# set interfaces ge-0/0/0 unit 0 family inet address 2.2.2.2/30
user@SRX-Sunnyvale# set interfaces ge-0/0/3 unit 0 family inet address 192.168.168.1/24
user@SRX-Sunnyvale# set interfaces st0 unit 0 family inet address 10.11.11.11/24

2. インタフェースをセキュリティゾーンにバインドします

user@SRX-Sunnyvale# set security zones security-zone untrust interfaces ge-0/0/0.0
user@SRX-Sunnyvale# set security zones security-zone untrust host-inbound-traffic system-services ike
user@SRX-Sunnyvale# set security zones security-zone trust interfaces ge-0/0/3.0
user@SRX-Sunnyvale# set security zones security-zone trust host-inbound-traffic system-services all
user@SRX-Sunnyvale# set security zones security-zone vpn interfaces st0.0

3. ルーティングを設定します

user@SRX-Sunnyvale# set routing-options static route 0.0.0.0/0 next-hop 2.2.2.1
user@SRX-Sunnyvale# set routing-options static route 10.10.10.0/24 next-hop 10.11.11.10
user@SRX-Sunnyvale# set routing-options static route 192.168.178.0/24 next-hop 10.11.11.10

4. アドレスブックを設定します

user@SRX-Sunnyvale# set security address-book book1 address local-net 192.168.168.0/24
user@SRX-Sunnyvale# set security address-book book2 address corp-net 10.10.10.0/24
user@SRX-Sunnyvale# set security address-book book2 address westford-net 192.168.178.0/24
user@SRX-Sunnyvale# set security address-book book2 attach zone vpn

5. IKE (Phase1 接続 プロファイル・ポリシー・ゲートウェイ)を設定します

user@SRX-Sunnyvale# set security ike proposal ike-phasel-proposal authentication-method pre-shared-keys user@SRX-Sunnyvale# set security ike proposal ike-phasel-proposal dh-group group2 user@SRX-Sunnyvale# set security ike proposal ike-phasel-proposal authentication-algorithm shal user@SRX-Sunnyvale# set security ike proposal ike-phasel-proposal encryption-algorithm aes-128-cbc user@SRX-Sunnyvale# set security ike policy ike-phasel-policy mode main user@SRX-Sunnyvale# set security ike policy ike-phasel-policy proposals ike-phasel-proposal user@SRX-Sunnyvale# set security ike policy ike-phasel-policy proposals ike-phasel-proposal user@SRX-Sunnyvale# set security ike policy ike-phasel-policy pre-shared-key ascii-text "\$ABC123" user@SRX-Sunnyvale# set security ike gateway gw-corporate external-interface ge-0/0/0.0 user@SRX-Sunnyvale# set security ike gateway gw-corporate ike-policy ike-phasel-policy user@SRX-Sunnyvale# set security ike gateway gw-corporate address 1.1.1.2

6. IPsec (Phase2 接続 プロポーサル・ポリシー・ VPN)を設定します

user@SRX-Sunnyvale# set security ipsec proposal ipsec-phase2-proposal protocol esp user@SRX-Sunnyvale# set security ipsec proposal ipsec-phase2-proposal authentication-algorithm hmac-shal-96 user@SRX-Sunnyvale# set security ipsec proposal ipsec-phase2-proposal encryption-algorithm aes-128-cbc user@SRX-Sunnyvale# set security ipsec policy ipsec-phase2-policy proposals ipsec-phase2-proposal user@SRX-Sunnyvale# set security ipsec policy ipsec-phase2-policy perfect-forward-secrecy keys group2 user@SRX-Sunnyvale# set security ipsec vpn vpn-corporate ike gateway gw-corporate user@SRX-Sunnyvale# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Sunnyvale# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Sunnyvale# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Sunnyvale# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Sunnyvale# set security ipsec vpn vpn-corporate ike ipsec-policy ipsec-phase2-policy user@SRX-Sunnyvale# set security ipsec vpn vpn-corporate bind-interface st0.0

7. TCP MSS 設定を調整します

user@SRX-Sunnyvale# set security flow tcp-mss ipsec-vpn mss 1350

8. セキュリティポリシーを設定します

user@SRX-Sunnyvale# set security policies from-zone trust to-zone vpn policy to-corporate match source-address local-net user@SRX-Sunnyvale# set security policies from-zone trust to-zone vpn policy to-corporate match destination-address corp-net user@SRX-Sunnyvale# set security policies from-zone trust to-zone vpn policy to-corporate match destination-address westford-net user@SRX-Sunnyvale# set security policies from-zone trust to-zone vpn policy to-corporate match application any user@SRX-Sunnyvale# set security policies from-zone trust to-zone vpn policy to-corporate then permit user@SRX-Sunnyvale# set security policies from-zone trust to-zone trust policy from-corporate match source-address corp-net user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match source-address corp-net user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match source-address local-net user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match destination-address local-net user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match destination-address local-net user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match application any user@SRX-Sunnyvale# set security policies from-zone vpn to-zone trust policy from-corporate match application any



```
user@SRX-Corporate# show
security {
    ike {
        proposal ike-phase1-proposal {
            authentication-method pre-shared-keys;
            dh-group group2;
            authentication-algorithm shal;
            encryption-algorithm aes-128-cbc;
        policy ike-phase1-policy {
            proposals ike-phase1-proposal;
            pre-shared-key ascii-text "$9$jzik.PfQ3n9p08XN-wsfTQ"; ## SECRET-DATA
            ike-policy ike-phase1-policy;
            address 3.3.3.2;
        gateway gw-sunnyvale {
            ike-policy ike-phase1-policy;
            address 2.2.2.2;
            external-interface ge-0/0/3.0;
```



```
ipsec {
   proposal ipsec-phase2-proposal {
       authentication-algorithm hmac-sha1-96;
       encryption-algorithm aes-128-cbc;
   policy ipsec-phase2-policy {
       perfect-forward-secrecy {
            keys group2;
       proposals ipsec-phase2-proposal;
   vpn vpn-westford {
       bind-interface st0.0;
        ike {
            gateway gw-westford;
           ipsec-policy ipsec-phase2-policy;
   vpn vpn-sunnyvale {
       bind-interface st0.0;
        ike {
            gateway gw-sunnyvale;
           ipsec-policy ipsec-phase2-policy;
```

```
address-book {
    book1 {
        address local-net 10.10.10.0/24;
        attach {
            zone trust;
        }
    }
    book2 {
        address sunnyvale-net 192.168.168.0/24;
        address westford-net 192.168.178.0/24;
        attach {
            zone vpn;
        }
    }
    flow {
        tcp-mss {
            ipsec-vpn {
                mss 1350;
        }
    }
}
```



```
policy local-to-spokes {
    match {
        source-address local-net;
        destination-address [ sunnyvale-net westford-net ];
        permit;
policy spokes-to-local {
    match {
        source-address [ sunnyvale-net westford-net ];
        destination-address local-net;
        permit;
```



```
policy spoke-to-spoke
        match {
            source-address any;
            application any;
            permit;
security-zone untrust {
    host-inbound-traffic {
        system-services {
            ike;
    interfaces {
        ge-0/0/3.0;
```





```
ge-0/0/3 {
            family inet {
                address 1.1.1.2/30;
   st0 {
            family inet {
                next-hop-tunnel 10.11.11.11 ipsec-vpn vpn-sunnyvale;
                next-hop-tunnel 10.11.11.12 ipsec-vpn vpn-westford;
                address 10.11.11.10/24;
routing-options {
   static {
        route 192.168.178.0/24 next-hop 10.11.11.12;
```



```
user@SRX-Westford# show
    ike {
        proposal ike-phase1-proposal {
            authentication-method pre-shared-keys;
            dh-group group2;
            authentication-algorithm shal;
            encryption-algorithm aes-128-cbc;
        policy ike-phase1-policy {
            proposals ike-phase1-proposal;
            pre-shared-key ascii-text "$9$piWhuO1RESleMX7Diq.5TEcS"; ## SECRET-DATA
        gateway gw-corporate {
            ike-policy ike-phase1-policy;
            address 1.1.1.2;
    ipsec ·
        proposal ipsec-phase2-proposal {
            protocol esp;
            authentication-algorithm hmac-sha1-96;
            encryption-algorithm aes-128-cbc;
```



設定の確認2

```
policy ipsec-phase2-policy {
        perfect-forward-secrecy {
            keys group2;
        proposals ipsec-phase2-proposal;
    vpn vpn-corporate {
        bind-interface st0.0;
        ike {
            gateway gw-corporate;
            ipsec-policy ipsec-phase2-policy;
address-book {
       address local-net 192.168.178.0/24;
            zone trust;
        address corp-net 10.10.10.0/24;
       address sunnyvale-net 192.168.168.0/24;
```



21

flow {
tcp-mss {
ipsec-vpn {
mss 1350;
policies {
from-zone trust to-zone vpn {
policy to-corporate {
match {
source-address local-net;
<pre>destination-address [corp-net sunnyvale-net];</pre>
application any;
then {
permit;



```
policy from-corporate {
        source-address [ corp-net sunnyvale-net ];
        destination-address local-net;
        application any;
        permit;
host-inbound-traffic {
        ike;
```





```
ge=0/0/3 {
    unit 0 {
        family inet {
            address 192.168.178.1/24;
        }
    }
    st0 {
        unit 0 {
            family inet {
               address 10.11.11.12/24;
            }
    }
    }
    routing-options {
    static {
            route 0.0.0.0/0 next-hop 3.3.3.1;
            route 10.10.10.0/24 next-hop 10.11.11.0;
            route 192.168.168.0/24 next-hop 10.11.11.0;
    }
}
```



設定の確認1

```
user@SRX-Sunnyvale# show
    ike {
        proposal ike-phase1-proposal {
            authentication-method pre-shared-keys;
            dh-group group2;
            authentication-algorithm shal;
            encryption-algorithm aes-128-cbc;
        policy ike-phase1-policy {
            proposals ike-phase1-proposal;
            pre-shared-key ascii-text "$9$eEPKM8Xx-bw2aZ36CA00xN-"; ## SECRET-DATA
        gateway gw-corporate {
            ike-policy ike-phase1-policy;
            address 1.1.1.2;
    ipsec {
        proposal ipsec-phase2-proposal {
            protocol esp;
            authentication-algorithm hmac-sha1-96;
            encryption-algorithm aes-128-cbc;
```



26

```
policy ipsec-phase2-policy {
        perfect-forward-secrecy {
            keys group2;
        proposals ipsec-phase2-proposal;
    vpn vpn-corporate {
        bind-interface st0.0;
        ike {
            gateway gw-corporate;
            ipsec-policy ipsec-phase2-policy;
address-book {
    book1 {
        address local-net 192.168.168.0/24;
            zone trust;
        address corp-net 10.10.10.0/24;
        address westford-net 192.168.178.0/24;
```







```
policy from-corporate {
            destination-address local-net;
            application any;
security-zone untrust {
    host-inbound-traffic {
        system-services {
            ike;
    interfaces {
        ge-0/0/0.0;
```





```
ge=0/0/3 {
    unit 0 {
        family inet {
            address 192.168.168.1/24;
        }
    }
    st0 {
        unit 0 {
            family inet {
               address 10.11.11.11/24;
            }
        }
    }
    routing-options {
        static {
            route 0.0.0.0/0 next-hop 2.2.2.1;
            route 10.10.10.0/24 next-hop 10.11.11.10;
        route 192.168.178.0/24 next-hop 10.11.11.10;
    }
}
```



Hub-and-Spoke VPN

VPN ステータスの確認 (Corporate office)

• Phase1

user@SRX-Corporate> show security ike security-associations									
Index	State	Initiator cookie	Responder cookie	Mode	Remote Address				
3899021	UP	bb4e1be49797023f	a5ee77e510e4d0df	Main	2.2.2.2				
3899022	UP	b003df2c9ebf11be	f1d7ba2fad1dec63	Main	3.3.3.2				

• Phase2

user@SRX-Corporate> show security ipsec security-associations										
Total active tunnels: 2 Total Ipsec sas: 2										
ID Algorithm SPI	Life:sec/kb Mon lsys Port Gatew	ay								
<131074 ESP:aes-cbc-128/sha	1 94565f5a 3575/ unlim – root 500 2.2	.2.2								
>131074 ESP:aes-cbc-128/sha	1 cf53d3dd 3575/ unlim - root 500 2.2	.2.2								
<131073 ESP:aes-cbc-128/sha	1 3eafcdad 3575/ unlim - root 500 3.3	.3.2								
>131073 ESP:aes-cbc-128/sha	1 776fffb5 3575/ unlim - root 500 3.3	.3.2								



