```11c-xe-xe ios-xe max psk ipsec ikev2

```innerc

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A

! ISAKMP/IKE Phase 1 Configuration

crypto isakmp policy 10

encryption aes 256

hash sha512

authentication pre-share

group 24

lifetime 86400

! Pre-shared Key

crypto isakmp key StrongP@ssword456 address <Router\_B\_IP>

! IPsec Phase 2 (Transform Set)

crypto ipsec transform-set AES\_GCM esp-gcm 256

crypto isakmp keepalive 10 3

! IPsec Profile

crypto ipsec profile VTI\_PROFILE

set transform-set AES\_GCM

set pfs group24

! Virtual Tunnel Interface Configuration

interface Tunnel0

ip address 10.0.0.1 255.255.255.252

tunnel source <Router\_A\_IP>

tunnel destination <Router\_B\_IP>

tunnel protection ipsec profile VTI\_PROFILE

! Routing Configuration

ip route <Destination\_Network> <Subnet\_Mask> 10.0.0.2

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B

! ISAKMP/IKE Phase 1 Configuration

crypto isakmp policy 10

encryption aes 256

hash sha512

authentication pre-share

group 24

lifetime 86400

! Pre-shared Key

crypto isakmp key StrongP@ssword456 address <Router\_A\_IP>

crypto isakmp keepalive 10 3

! IPsec Phase 2 (Transform Set)

crypto ipsec transform-set AES\_GCM esp-gcm 256

! IPsec Profile

crypto ipsec profile VTI\_PROFILE

set transform-set AES\_GCM

set pfs group24

! Virtual Tunnel Interface Configuration

interface Tunnel0

ip address 10.0.0.2 255.255.255.252

tunnel source <Router\_B\_IP>

tunnel destination <Router\_A\_IP>

tunnel protection ipsec profile VTI\_PROFILE

! Routing Configuration

ip route <Source\_Network> <Subnet\_Mask> 10.0.0.1

```12b-xe-ios

```inner

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A

! IKEv1 Phase 1 Configuration

crypto isakmp policy 10

encryption aes 256

hash sha256

authentication pre-share

group 16

lifetime 86400

! Pre-shared Key

crypto isakmp key StrongP@ssword456 address 192.168.2.1

! IPsec Phase 2 (Transform Set)

crypto ipsec transform-set AES256\_SHA esp-aes 256 esp-sha256-hmac

mode tunnel

! IPsec Profile

crypto ipsec profile VTI\_PROFILE

set transform-set AES256\_SHA

set pfs group16

! Tunnel Interface Configuration

interface Tunnel0

ip address 10.0.0.1 255.255.255.252

tunnel source 192.168.1.1

tunnel destination 192.168.2.1

tunnel mode ipsec ipv4

tunnel protection ipsec profile VTI\_PROFILE

! Routing Configuration

ip route 10.2.2.0 255.255.255.0 10.0.0.2

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B

! IKEv1 Phase 1 Configuration

crypto isakmp policy 10

encryption aes 256

hash sha256

authentication pre-share

group 16

lifetime 86400

! Pre-shared Key

crypto isakmp key StrongP@ssword456 address 192.168.1.1

! IPsec Phase 2 (Transform Set)

crypto ipsec transform-set AES256\_SHA esp-aes 256 esp-sha256-hmac

mode tunnel

! IPsec Profile

crypto ipsec profile VTI\_PROFILE

set transform-set AES256\_SHA

set pfs group16

! Tunnel Interface Configuration

interface Tunnel0

ip address 10.0.0.2 255.255.255.252

tunnel source 192.168.2.1

tunnel destination 192.168.1.1

tunnel mode ipsec ipv4

tunnel protection ipsec profile VTI\_PROFILE

! Routing Configuration

ip route 10.1.1.0 255.255.255.0 10.0.0.1