

Initiator

Responder

Configure IPSec VPN

Configure Initiator VPN

Configure the VPN Tunnel Addresses

Setup the IPSec policy that defines the IP address range and port numbers for the IPSec interaction

Define the cryptographic keys and certificates governing the VPN

Configure Responder VPN

Configure the VPN Tunnel Addresses

Setup the IPSec policy that defines the IP address range and port numbers for the IPSec interaction

Define the cryptographic keys and certificates governing the VPN

ICMP Echo Request

Check if the IP address and port range of the message matches the IPSec policy

Initiate the IKEv2 exchange to setup the VPN connection

IKE SA Setup

Generate Initiator IKE SPI

IKE_SA_INIT

ike

ike

Compare the Initiator's cryptographic proposal with available cryptographic algorithms to make the final selection.

Generate Responder IKE SPI

IKE_SA_INIT

ike

ike

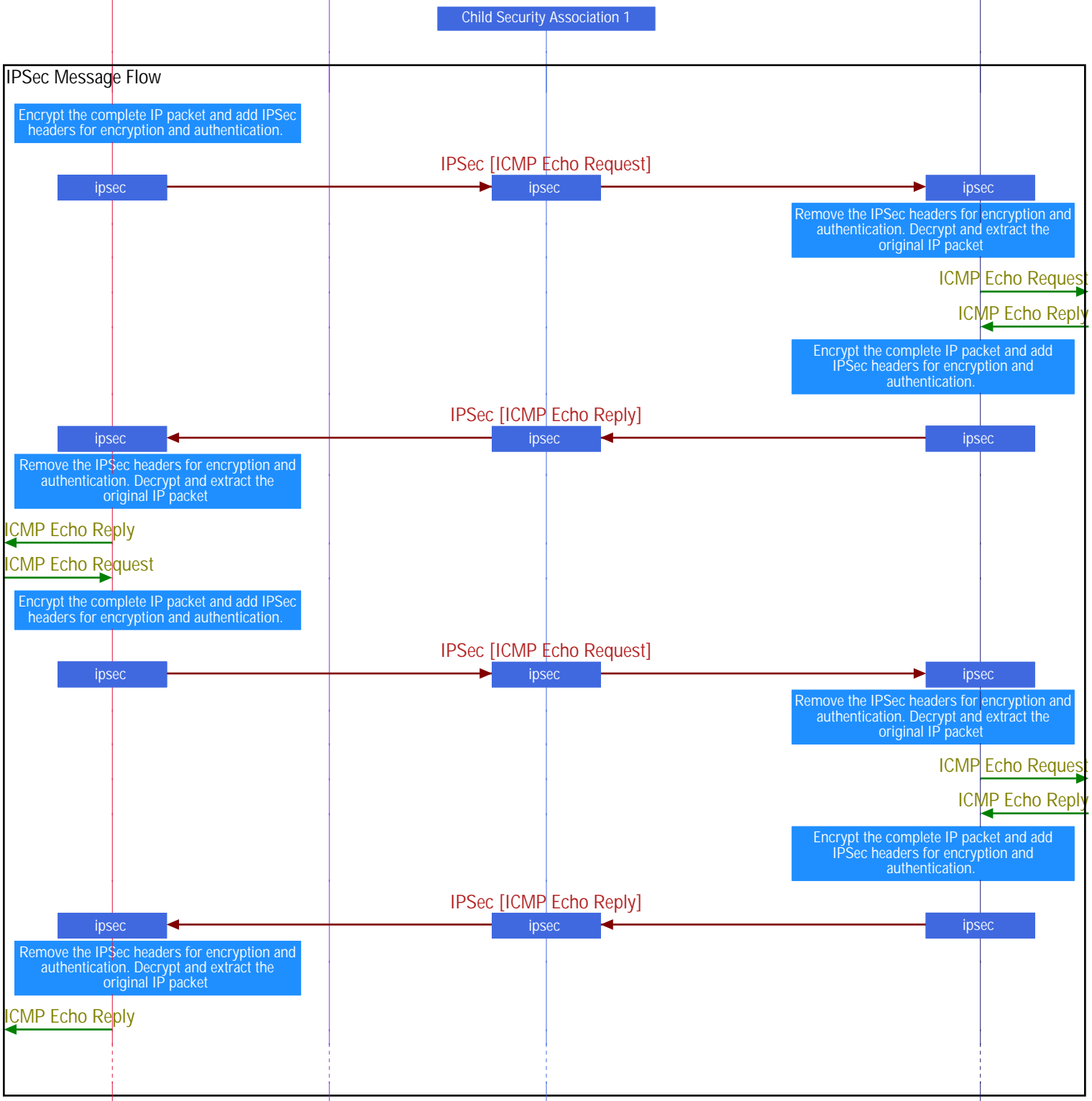
Derive keys for IKE SA and Child SA

Generate SKEYSEED and derive IKE SA keys SK_e, SK_a and SK_d for two directions.

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IKE Security Association

Authentication and Traffic SA Setup



IKEv2 Keep Alive

