encryption

Syntax

```
encryption {
    algorithm algorithm;
    key (ascii-text key | hexadecimal key);
}
```

Hierarchy Level [edit services ipsec-vpn rule *rule-name* term *term-name* then manual direction *direction*]

Release Information Statement introduced before JUNOS Release 7.4.
aes-128-cbc, aes-192-cbc, and aes-256-cbc options added in JUNOS Release 7.6.

Description Configure an encryption algorithm and key for manual SA.

Options algorithm—Type of encryption algorithm. The algorithm can be one of the following:

- des-cbc—Has a block size of 8 bytes (64 bits); the key size is 48 bits long.
- 3des-cbc—Has a block size of 8 bytes (64 bits); the key size is 192 bits long.
- aes-128-cbc—Advanced Encryption Standard (AES) 128-bit encryption algorithm.
- aes-192-cbc—Advanced Encryption Standard (AES) 192-bit encryption algorithm.
- aes-256-cbc—Advanced Encryption Standard (AES) 256-bit encryption algorithm.

NOTE: For 3des-cbc, the first 8 bytes should differ from the second 8 bytes, and the second 8 bytes should be the same as the third 8 bytes.

key—Type of encryption key. The key can be one of the following:

- ascii-text—ASCII text key. Following are the key lengths, in ASCII characters, for the different encryption options:
  - des-cbc option, 8 ASCII characters
  - 3des-cbc option, 24 ASCII characters
  - aes-128-cbc option, 16 ASCII characters
  - aes-192-cbc option, 24 ASCII characters
  - aes-256-cbc option, 32 ASCII characters
- hexadecimal—Hexadecimal key. Following are the key lengths, in hexadecimal characters, for the different encryption options:
  - des-cbc option, 16 hexadecimal characters
  - 3des-cbc option, 48 hexadecimal characters

- aes-128-cbc option, 32 hexadecimal characters
- aes-192-cbc option, 48 hexadecimal characters
- aes-256-cbc option, 64 hexadecimal characters

Usage Guidelines See Configuring Encryption for a Manual IPsec SA.

Required Privilege Level system—To view this statement in the configuration.
system-control—To add this statement to the configuration.

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