

Comware V7 PKEY NETCONF XML API Action Reference

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PKEY

PKEY/ExportPublicKeys

This table is used to export local public key in SSH format.

XML structure

```
<PKEY>
  <ExportPublicKeys>
    <Export>
      <AlgID></AlgID>
      <KeyName></KeyName>
      <FormatID></FormatID>
      <FileName></FileName>
      <ReplaceFile></ReplaceFile>
    </Export>
  </ExportPublicKeys>
</PKEY>
```

Table description

Item	Description
Feature name	PKEY
Table name	ExportPublicKeys
Table type	Multi-instance table
Row name	Export
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AlgID	Identity of algorithm	Index	Unsigned integer. Value range: 1 to 2 ³² -1.	See table PKEYCapabilities for supported algorithms.
KeyName	Name of local asymmetric key	Index	String. Length: 0 to 64 characters. Case insensitive.	A key name with 0 characters belongs to a default key.

Column name	Column description	Column type	Data type and restrictions	Remarks
FormatID	Identity of SSH format	N/A	Unsigned integer. Value range: 1 to 2 ³² -1.	See table SSHFormats for supported algorithm.
FileName	User path of the file ,which the public key will be exported to.	N/A	String. Length: 1 to 128 characters. Case insensitive.	The path can't be the followed value: • "hostkey" • "serverkey" • "dsakey" • "ecdsakey" • path which only contain "."." • path which first character is '/' • path which contains "./" or "../"
ReplaceFile	If replace existed file	N/A	Boolean: • true • false Default value is false	N/A

PKEY/ImportPeerKeys

This table is used to import peer public key pairs.

XML structure

```

<PKEY>
  <ImportPeerKeys>
    <Import>
      <PeerKeyName></PeerKeyName>
      <FileName></FileName>
      <ReplaceKey></ReplaceKey>
    </Import>
  </ImportPeerKeys>
</PKEY>

```

Table description

Item	Description
Feature name	PKEY
Table name	ImportPeerKeys
Table type	Multi-instance table
Row name	Import

Item	Description
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PeerKeyName	Name of peer public key	Index	String. Length: 1 to 31 characters. Case sensitive	N/A
FileName	Path of peer key file	N/A	String. Length: 1 to 128 characters. Case insensitive.	The path can't be the followed value: • "hostkey" • "serverkey" • "dsakey" • "ecdsakey" • path which only contain "." • path which first character is '/' • path which contains "/" or "../"
ReplaceKey	If replace existed peer key	N/A	Boolean: • true • false Default value is false	N/A

PKEY/CreateLocalKeys

This table is used to create local asymmetric key pairs.

XML structure

```

<PKEY>
  <CreateLocalKeys>
    <Create>
      <AlgID></AlgID>
      <KeyName></KeyName>
      <Length></Length>
      <ReplaceKey></ReplaceKey>
    </Create>
  </CreateLocalKeys>
</PKEY>

```

Table description

Item	Description
Feature name	PKEY
Table name	CreateLocalKeys
Table type	Multi-instance table
Row name	Create
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AlgID	Identity of algorithm	Index	Unsigned integer. Value range: 1 to 2 ³² -1.	See table PKEYCapabilities for supported algorithms.
KeyName	Name of local asymmetric key	Index	String. Length: 0 to 64 characters. Case insensitive.	A key name with 0 characters belongs to a default key.
Length	Length of public key	N/A	Unsigned integer.	See table PKEYCapabilities for supported length.
ReplaceKey	If replace existed local asymmetric key	N/A	Boolean: • true • false Default value is false.	N/A

PKEY/DestroyLocalKeys

This table is used to destroy local asymmetric key pairs.

XML structure

```
<PKEY>
  <DestroyLocalKeys>
    <Destroy>
      <AlgID></AlgID>
      <KeyName></KeyName>
    </Destroy>
  </DestroyLocalKeys>
</PKEY>
```

Table description

Item	Description
Feature name	PKEY
Table name	DestroyLocalKeys
Table type	Multi-instance table
Row name	Destroy
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AlgID	Identity of algorithm	Index	Unsigned integer. Value range: 1 to 2 ³² -1.	See table PKEYCapabilities for supported algorithms.
KeyName	Name of local asymmetric key	Index	String. Length: 0 to 64 characters. Case insensitive.	A key name with 0 characters belongs to a default key.