

Comware V7 PKI NETCONF XML API Action Reference

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PKI

PKI/ImportCertificates

This table is used to import the certificate to device.

XML structure

```
<PKI>
  <ImportCertificates>
    <Import>
      <Domain></Domain>
      <CertificateType></CertificateType>
      <FilePath></FilePath>
      <Password></Password>
      <NewPubKeyName></NewPubKeyName>
    </Import>
  </ImportCertificates>
</PKI>
```

Table description

Item	Description
Feature name	PKI
Table name	ImportCertificates
Table type	Multi-instance table
Row name	Import
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Domain	The PKI domain name	Index	String. Length: 1 to 31 characters. Case insensitive.	Can't include: "~", "*", "\", " ", ":", ";", "<", ">", "\"", ",", "\\", "/".
CertificateType	The type of certificate	Index	Enumeration: 1—CA 2—Local.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
FilePath	The path of certificate file to be imported	N/A	String	The file must be existed in the device
Password	Password used to decrypt the certificate, which can be PKCS#12 or PEM formatted.	N/A	String	Case sensitive. The password is necessary as follow: - The file format is PKCS#12 and the certificate type is local - The file format is PEM, and there is local certificate and private key in the file
NewPubKey Name	The name of new public key.	N/A	String. Length: 1 to 64 characters.	- Case insensitive. - Only contain letters, number and "-". - If the name is empty and there is no key name in the domain, it will use the domain name as the key name.

PKI/ExportCACertificates

This table is used to export the CA certificate.

XML structure

```

<PKI>
  <ExportCACertificates>
    <Export>
      <Domain></Domain>
      <FileFormat></FileFormat>
      <IsWithCertsChain></IsWithCertsChain>
      <FilePath></FilePath>
      <ReplaceFile></ReplaceFile>
    </Export>
  </ExportCACertificates>
</PKI>

```

Table description

Item	Description
Feature name	PKI
Table name	ExportCACertificates
Table type	Multi-instance table
Row name	Export
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Domain	The PKI domain name	Index	String. Length: 1 to 31 characters. Case insensitive.	Can't include: "~", "*", "\", " ", ":", ";", "<", ">", "\"", ",", "\", "/".
FileFormat	The file format	N/A	Enumeration: • 1—DER • 2—PEM	N/A
IsWithCertsChain	If exported certificate contains CA certificate chain	N/A	Boolean: • true—Yes. • false—No. Default value is false	N/A
FilePath	The path of the file will export certificate to	N/A	String	The path must be existed in the device
ReplaceFile	If replace when the file is existed.	N/A	Boolean: • true—Yes. • false—No. Default value is false	N/A

PKI/ExportLocalCertificates

This table is used to export the local certificate.

XML structure

```
<PKI>
  <ExportLocalCertificates>
    <Export>
      <Domain></Domain>
```

```

    <FileFormat></FileFormat>
    <IsWithCertsChain></IsWithCertsChain>
    <IsWithKey></IsWithKey>
    <EncAlgID></EncAlgID>
    <Password></Password>
    <FilePath></FilePath>
    <ReplaceFile></ReplaceFile>
  </Export>
</ExportLocalCertificates>
</PKI>

```

Table description

Item	Description
Feature name	PKI
Table name	ExportLocalCertificates
Table type	Multi-instance table
Row name	Export
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Domain	The PKI domain name	Index	String. Length: 1 to 31 characters. Case insensitive.	Can't include: "~", "*", "\", " ", ":", ";", ".", "<", ">", "\"", " \", \"/\".
FileFormat	The file format	N/A	Enumeration: 1—DER 2—PKCS#12 3—PEM	N/A
IsWithCertsChain	If exported certificate contains CA certificate chain	N/A	Boolean: - true—Yes. - false—No. Default value is false	N/A
IsWithKey	If exported certificate contains private key	N/A	Boolean: - true—Yes. - false—No. Default value is false	N/A
EncAlgID	Identity of encryption algorithm	N/A	Unsigned integer. Value range: 1 to 2^32-1.	See table PKICapabilities for supported encryption

Column name	Column description	Column type	Data type and restrictions	Remarks
				algorithim.
Password	Password which will be used to encrypt the file when exported certificate contains private key	N/A	String Case sensitive.	The password is required as follow: • The file format is PKCS12 and the certificate type is local • The file format is PEM, and it will export both local certificate and private key to the file
FilePath	The path of the file	N/A	String	The directory must be existed in the device
ReplaceFile	If replace when the file is existed.	N/A	Boolean: • true—Yes. • false—No. Defalut value is false	N/A

PKI/DeleteCertificates

This table is used to delete the certificates.

XML structure

```

<PKI>
  <DeleteCertificates>
    <Delete>
      <Domain></Domain>
      <CertificateType></CertificateType>
    </Delete>
  </DeleteCertificates>
</PKI>

```

Table description

Item	Description
Feature name	PKI
Table name	DeleteCertificate
Table type	Multi-instance table
Row name	Delete
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Domain	The PKI domain name	Index	String. Length: 1 to 31 characters. Case insensitive.	Can't include: "~", "*", "\", " ", ":", ":", "<", ">", " ", "~", "/".
CertificateType	The type of certificate	Index	Enumeration: • 1—CA • 2—Local.	It will delete local certificate, peer certificate, CRL, and CA certificate when the type is CA.