

Comware V7 Dot1X NETCONF XML API Configuration Reference

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Dot1X

Dot1X/Protocol

This table contains Dot1X protocol related parameters information.

XML structure

```
<Dot1X>
  <Protocol>
    <Enable></Enable>
    <AuthenMethod></AuthenMethod>
    <DomainDelimiterAt></DomainDelimiterAt>
    <DomainDelimiterSlash></DomainDelimiterSlash>
    <DomainDelimiterBackSlash></DomainDelimiterBackSlash>
    <DomainDelimiterDot></DomainDelimiterDot>
    <QuietEnable></QuietEnable>
    <QuietInterval></QuietInterval>
    <HandshakeInterval></HandshakeInterval>
    <ReauthenInterval></ReauthenInterval>
    <ServerInterval></ServerInterval>
    <SupplicantInterval></SupplicantInterval>
    <ReqIDInterval></ReqIDInterval>
    <RequestRetryCount></RequestRetryCount>
  </Protocol>
</Dot1X>
```

Table description

Item	Description
Feature name	Dot1X
Table name	Protocol
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Enable	Global Dot1X feature	N/A	Boolean: • true—Enabled • false—Disabled(default)
AuthenMethod	Authentication Method of 802.1X	N/A	Enumeration: • 1—Chap(default) • 2—PAP • 3—EAP
DomainDelimiterAt	Delimiter "@" between username and domain name	N/A	Boolean: • true—Enabled(default) • false—Disabled
DomainDelimiterSlash	Delimiter "/" between username and domain name	N/A	Boolean: • true—Enabled • false—Disabled(default)
DomainDelimiterBackslash	Delimiter "\" between username and domain name	N/A	Boolean: • true—Enabled • false—Disabled(default)
DomainDelimiterDot	Delimiter "." between username and domain	N/A	Boolean: • true—Enabled • false—Disabled(default)
QuietEnable	Enable 802.1X quiet function	N/A	Boolean: • true—Enabled • false—Disabled(default)
QuietInterval	Period value of Quiet timer	N/A	Unsigned integer Value range: 10 to 120 seconds. Default value is 60 second.
HandshakeInterval	Period value of handshake timer	N/A	Unsigned integer. Value range: 5 to 1024 seconds. Default value is 15 second.
ReauthenInterval	Period value of re-authentication timer	N/A	Unsigned integer. Value range: 60 to 7200 seconds. Default value is 3600 second.
ServerInterval	Period value of server response timer	N/A	Unsigned integer. Value range: 100 to 300 seconds. Default value is 100 second.
SupplicantInterval	Period value of supplicant response timer (other than	N/A	Unsigned integer. Value range: 1 to 120 seconds.

Column name	Column description	Column type	Data type and restrictions
	EAP-Response/ID)		Default value is 30 second.
ReqIDInterval	Period value of supplicant EAP-Response /ID timer	N/A	Unsigned integer. Value range: 10 to 120 seconds. Default value is 30 second.
RequestRetryCount	Max count of retrying to send out dot1X's Request packets	N/A	Unsigned integer. Value range: 1 to 10. Default value is 2.

Dot1X/EAD

This table contains Dot1X's EAD feature.

XML structure

```
<Dot1X>
  <EAD>
    <AssistEnable></AssistEnable>
    <AssistURL></AssistURL>
  </EAD>
</Dot1X>
```

Table description

Item	Description
Feature name	Dot1X
Table name	EAD
Table type	Single-instance table
Row name	N/A
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
AssistEnable	Enable EAD assistant function	N/A	Boolean: • true—Enabled • false—Disabled(default)

Column name	Column description	Column type	Data type and restrictions
AssistURL	The redirect URL used with EAD assistant function	N/A	String. Length: 1 to 64 characters.

DOT1X/EADFreeIPs

This table contains Dot1X's EAD assistant free IP.

XML structure

```

<Dot1X>
  <EADFreeIPs>
    <FreeIP>
      <IPv4Address></IPv4Address>
      <IPv4Mask></IPv4Mask>
    </FreeIP>
  </EADFreeIPs>
</Dot1X>

```

Table description

Item	Description
Feature name	Dot1X
Table name	EADFreeIPs
Table type	Multi-instance table
Row name	FreeIP
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
IPv4Address	IP address used in EAD assistance feature	Index	String, dotted decimal notation.
IPv4Mask	IP address mask	Index	Ipv4Mask.

Dot1X/Interfaces

This table contains Dot1X interface's information .

XML structure

```
<Dot1X>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Enable></Enable>
      <PortControl></PortControl>
      <PortMethod></PortMethod>
      <ReauthenEnable></ReauthenEnable>
      <MulticastTrigger></MulticastTrigger>
      <UnicastTrigger></UnicastTrigger>
      <HandshakeEnable></HandshakeEnable>
      <SecHandshakeEnable></SecHandshakeEnable>
      <MandDomain></MandDomain>
      <MaxUser></MaxUser>
      <FailVLAN></FailVLAN>
      <CriticalVLAN></CriticalVLAN>
      <GuestVLAN></GuestVLAN>
    </Interface>
  </Interfaces>
</Dot1X>
```

Table description

Item	Description
Feature name	Dot1X
Table name	Interfaces
Table type	Multi-instance table
Row name	interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
Enable	Enable 802.1X	N/A	Boolean: • true—Enabled • false—Disabled(default)
PortControl	Port control status of the interface	N/A	Enumeration: • 1—authorized-force • 2—unauthorized-force • 3—auto(default)
PortMethod	Control Method of the interface	N/A	Enumeration: • 1—Portbased • 2—MACbased(default)
ReauthenEnable	Enable periodic reauthentication feature	N/A	Boolean: • true—Enabled • false—Disabled(default)
FailVLAN	VLAN for users failed in authentication	N/A	Unsigned integer. Value range: 1 to 4094. Default Value is not configured.
CriticalVLAN	VLAN for users as the server is unreachable	N/A	Unsigned integer. Value range: 1 to 4094. Default Value is not configured.
GuestVLAN	VLAN used before authentication	N/A	Unsigned integer. Value range: 1 to 4094. Default Value is not configured.
HandshakeEnable	Enable handshake feature	N/A	Boolean: • true—Enabled(default) • false—Disabled
SecHandshakeEnable	Enable secure handshake feature	N/A	Boolean: • true—Enabled • false—Disabled(default)
MandDomain	Mandatory authentication domain on this interface	N/A	String. Length: 1 to 255 characters.
MaxUser	Maximum user number on this interface	N/A	Unsigned integer. Value range: 1 to 256 Default Value is 256.
MulticastTrigger	Enable multicast trigger function on the interface	N/A	Boolean: • true—Enabled(default) • false—Disabled
UnicastTrigger	Enable unicast trigger function on the interface	N/A	Boolean: • true—Enabled • false—Disabled(default)