

Comware V7 IRF NETCONF XML API Configuration Reference

Contents

PoE	1
PoE/PriorityPolicy	1
XML structure	1
Table description	1
Columns	2
PoE/Powers	2
XML structure	2
Table description	3
Columns	3
PoE/PSEs	3
XML structure	3
Table description	4
Columns	4
PoE/Ports	4
XML structure	4
Table description	5
Columns	5
PoE/Profiles	6
XML structure	6
Table description	6
Columns	7

PoE

PoE/PriorityPolicy

This table contains PoE global priority policy information.

XML structure

```
<PoE>
  <PriorityPolicy>
    <PSEPolicyMode></PSEPolicyMode>
    <PDPolicyMode></PDPolicyMode>
  </PriorityPolicy>
</PoE>
```

Table description

Item	Description
Feature name	PoE
Table name	PriorityPolicy
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PSEPolicyMode	Mode of PSE power policy.	N/A	Enumeration. • 1 – disabled (default). • 2 – priority.	The PSE policy only applies to the situation that when a new board (PSE) is inserted, and the power is overload. A value of priority(2) means that the power will stop supplying to the low priority PSE. A value of disabled(1) means that the power will stop supplying to the new inserted PSE.
PDPolicyMode	Mode of PD power policy	N/A	Enumeration. • 1 – disabled (default). • 2 – priority.	The PD policy only applies to the situation that when a new PD is inserted, and the power of PSE is overload. A value of priority(2) means that the power will stop supplying to the low priority port PD. A value of disabled(1) means that the slot stop supplying to the new inserted PD.

PoE/Powers

This table contains PoE Power information.

XML structure

```

<PoE>
  <Powers>
    <Power>
      <PowerIndex></PowerIndex>
      <PowerLimit></PowerLimit>
    </Power>
  </Powers>

```

</PoE>

Table description

Item	Description
Feature name	PoE
Table name	Powers
Table type	Multi-instance table
Row name	Power
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PowerIndex	Index of the Power supply	Index	Unsigned integer.	N/A
PowerLimit	The max power limit (mW)	N/A	Unsigned integer.	N/A

PoE/PSEs

This table contains PSE information.

XML structure

```
<PoE>
  <PSEs>
    <PSE>
      <PSEID></PSEID>
      <PowerLimit></PowerLimit>
      <UsageThreshold></UsageThreshold>
      <Priority></Priority>
      <Legacy></Legacy>
    </PSE>
  </PSEs>
</PoE>
```

Table description

Item	Description
Feature name	PoE
Table name	PSEs
Table type	Multi-instance table
Row name	PSE
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PSEID	Index of the PSE	Index	Unsigned integer.	N/A
PowerLimit	The max power (mW)	N/A	Unsigned integer.	N/A
UsageThreshold	The usage threshold (%)	N/A	Unsigned integer. Value range: 1 to 99.	N/A
Priority	The power priority	N/A	Enumeration. • 1 – critical. • 2 – high. • 3 – low (default).	N/A
Legacy	The legacy mode status(for nonstandard PD detection)	N/A	Enumeration. • 0 – enabled. • 1 – disabled (default).	N/A

PoE/Ports

This table contains PoE Port information.

XML structure

```
<PoE>
  <Ports>
    <Port>
      <PSEID></PSEID>
      <IfIndex></IfIndex>
      <AdminEnable></AdminEnable>
      <Pairs></Pairs>
```

```

    <Priority></Priority>
    <PDDescription></PDDescription>
    <FaultDescription></FaultDescription>
    <PowerLimit></PowerLimit>
    <ProfileIndex></ProfileIndex>
  </Port>
</Ports>
</PoE>

```

Table description

Item	Description
Feature name	PoE
Table name	Ports
Table type	Multi-instance table
Row name	Port
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PSEID	Index of the PSE which the port belongs to	Index	Unsigned integer.	N/A
IfIndex	Interface index Index of the PSE	Index	Unsigned integer.	N/A
AdminEnable	The admin enable status of an interface which can provide PSE functions	N/A	Boolean: • true • false	N/A
Pairs	The power pairs in use.	N/A	Enumeration. • 1 – signal. • 2 – spare.	signal means that the signal pairs only are in use. spare means that the spare pairs only are in use.
Priority	The power priority of the specified interface	N/A	Enumeration. • 1 – critical. • 2 – high. • 3 – low (default).	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PDDescription	The description for the Pd that is connected to the port.	N/A	String. Length: 1 to 80 characters.	N/A
FaultDescription	The fault category	N/A	String. Length: 1 to 255 characters.	N/A
PowerLimit	The max power (mW)	N/A	Unsigned integer.	N/A
ProfileIndex	The profile index applied to the Poe port	N/A	Unsigned integer.	N/A

PoE/Profiles

This table contains PoE profile information.

XML structure

```

<PoE>
  <Profiles>
    <Profile>
      <ProfileIndex></ProfileIndex>
      <ProfileName></ProfileName>
      <PowerMode></PowerMode>
      <PowerLimit></PowerLimit>
      <Priority></Priority>
      <Pairs></Pairs>
    </Profile>
  </Profiles>
</PoE>

```

Table description

Item	Description
Feature name	PoE
Table name	Profiles
Table type	Multi-instance table
Row name	Profile
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileIndex	Index of the profile	Index	Unsigned integer.	N/A
ProfileName	The name of profile	N/A	String. Length: 1 to 15 characters.	N/A
PowerMode	The power status of an interface which can provide PSE functions	N/A	Enumeration. • 1 – disabled (default). • 2 – enabled.	N/A
PowerLimit	The max power (mW)	N/A	Unsigned integer.	N/A
Priority	The power priority	N/A	Enumeration. • 1 – critical. • 2 – high. • 3 – low (default).	N/A
Pairs	The power pairs in use.	N/A	Enumeration. • 1 – signal. • 2 – spare.	signal means that the signal pairs only are in use. spare means that the spare pairs only are in use.