

QinQ Selective QinQ SNR

- Port-based QinQ
 - S2962, S2965, S2982G, S2985G, S2990, S2990X, S2995G, S3850G, S300X, S300G, S4550
 - SNR-S2960-48G
 - SNR-S2970G-24S, SNR-S2970G-48S
 - SNR-S2970-12X
- Selective QinQ
 - SNR-S2940-8G-v2, SNR-S2960-24G S2962, S2965, S2982G, S2985G, S2990
 - SNR-S2960-48G
 - SNR-S2980G-24F, SNR-S3650G-24S, SNR-S3750G-24S-E S2995G, S3850G, S300G, S4550, S2990, S2990X, S300X
 - SNR-S2970-12X

QinQ - VLAN, (Outer VLAN). VLAN- (Inner VLAN).

SNR QinQ (802.1ad) , Selective QinQ. QinQ Ethernet- SNR.

 !

SNR . . .

QinQ . , , VLAN .

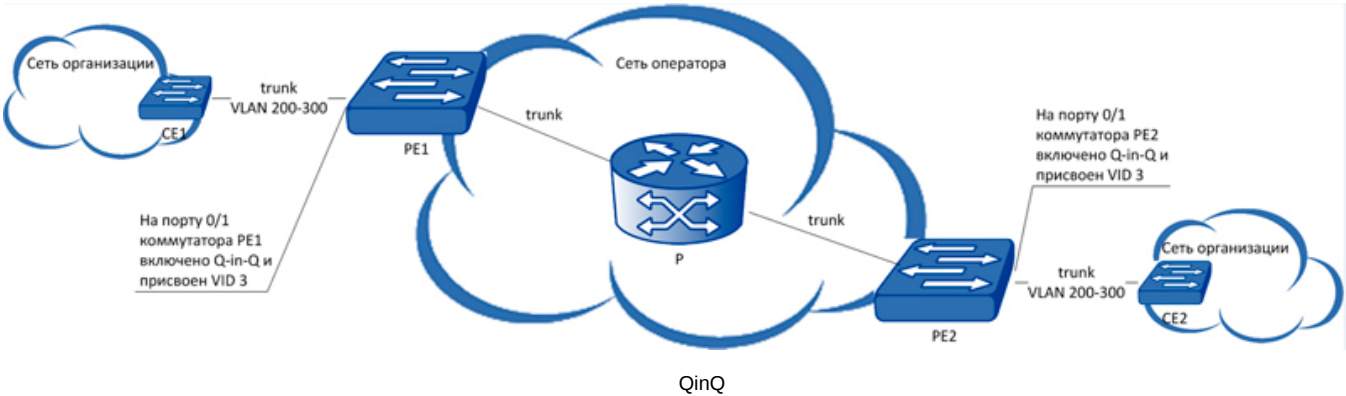
QinQ VLAN , , VLAN.

Selective QinQ Outer VLAN Inner VLAN. Selective QinQ 'VLAN '.

 !

QinQ L2 MTU 4 , 802.1q.

Port-based QinQ



CE1 CE2 - , P, PE1 PE2 - . . . VLAN - Outer VLAN.

, , Outer VLAN VID 3, SNR.

S2962, S2965, S2982G, S2985G, S2990, S2990X, S2995G, S3850G, S300X, S300G, S4550

```

!
vlan 3
 switchport interface ethernet 1/0/1
!
interface ethernet 1/0/1
 description Customer
 dot1q-tunnel enable
!
interface ethernet 1/0/24
 description Uplink
 switchport mode trunk
!

```



!

S2962, S2965, S2982G, S2985G QinQ - . .

SNR-S2960-48G

```

!
vlan 3
 switchport interface ethernet 0/0/1
!
interface ethernet 0/0/1
 description Customer
 switchport dot1q-tunnel mode customer
!
interface ethernet 0/0/48
 description Uplink
 switchport mode trunk
 switchport dot1q-tunnel mode uplink
!

```

SNR-S2970G-24S, SNR-S2970G-48S

```

!
interface gigaEthernet 0/1
 description Customer
 switchport pvid 3
 switchport mode dot1q-tunnel
!
interface gigaEthernet 0/24
 description Uplink
 switchport mode trunk
!
dot1q-tunnel
!

```

SNR-S2970-12X

```

!
interface gigaEthernet 0/1
  description Customer
  switchport mode dot1q-translating-tunnel
  switchport pvid 3
!
interface TGigaEthernet1/1
  description Uplink
  switchport mode dot1q-tunnel-uplink
  switchport trunk vlan-allowed 3
!
dot1q-tunnel
!
* switchport mode dot1q-tunnel-uplink      trunk

```



QinQ SNR-S2970 QinQ , dot1q-tunnel (,).

Selective QinQ

Selective QinQ. , Outer VLAN 200 Inner VLAN 601-610, Inner VLAN 611-620 Outer VLAN 210, 1000, 1001 .

SNR-S2940-8G-v2, SNR-S2960-24G S2962, S2965, S2982G, S2985G, S2990

```

!
Interface Ethernet <customer_port>
  dot1q-tunnel selective enable
  dot1q-tunnel selective s-vlan 200 c-vlan 601-610
  dot1q-tunnel selective s-vlan 210 c-vlan 611-620
  switchport mode hybrid
  switchport hybrid allowed vlan 1000-1001 tag
  switchport hybrid allowed vlan 200;210 untag
!

```



SNR-S2960-24G VLAN, - VLAN 1-127.

SNR Selective QinQ - Policy-map, . - policy-map .

SNR-S2960-48G

```

!
class-map c1
  match vlan 601 602 603 604 605 606 607 608 609 610
!
class-map c2
  match vlan 611 612 613 614 615 616 617 618 619 620
!
policy-map p1
  class c1
    set nested-vlan 200
  exit
  class c2
    set nested-vlan 210
  exit
!
Interface Ethernet0/0/1
  service-policy input p1
  switchport mode hybrid
  switchport hybrid allowed vlan 601-610,1000-1001 tag
  switchport hybrid allowed vlan 200;210 untag
!
Interface Ethernet0/0/2
  service-policy input p1
  switchport mode hybrid
  switchport hybrid allowed vlan 611-620;1000-1001 tag
  switchport hybrid allowed vlan 200;210 untag
!
Interface Ethernet0/0/10
  description UPLINK
  switchport mode trunk
  switchport trunk allowed vlan 200;210;1000-1001
!

```

SNR-S2980G-24F, SNR-S3650G-24S, SNR-S3750G-24S-E S2995G, S3850G, S300G, S4550, S2990, S2990X, S300X

```

!
class-map c1
  match vlan range 601-610
!
class-map c2
  match vlan range 611-620
!
policy-map p1
  class c1
    add s-vid 200
  exit
  class c2
    add s-vid 210
  exit
!
Interface Ethernet1/0/1
  description To_Client
  switchport mode hybrid
  switchport hybrid allowed vlan 1000-1001 tag
  switchport hybrid allowed vlan 200,210 untag
  service-policy input p1
!
Interface Ethernet1/0/24
  description Uplink
  switchport mode hybrid
  switchport hybrid allowed vlan 200;210;1000-1001 tag
!

```

SNR-S2970-12X

```

!
interface gigaEthernet 0/1
description Customer
switchport mode dot1q-translating-tunnel
switchport dot1q-translating-tunnel mode flat translate 1to1 1001 1001
switchport dot1q-translating-tunnel mode flat translate 1to1 1002 1002
switchport dot1q-translating-tunnel mode QinQ translate 601-610 200
switchport dot1q-translating-tunnel mode QinQ translate 611-620 210
!
interface TGigaEthernet1/1
description Uplink
switchport mode dot1q-tunnel-uplink
switchport trunk vlan-allowed 200;210;1001;1002
!
dot1q-tunnel
!
* switchport mode dot1q-tunnel-uplink      trunk

```



QinQ SNR-S2970 QinQ , dot1q-tunnel (,).