


3.4.2.5 packet tracer - configuring gre

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Answer Note: Red font color or gray glare indicates text that appears only in a copy of the answer. Топология 3.4.2.5 Пакет Tracer - Устранение неполадок GRE Обращаясь к настольному устройству Интерфейс IP-адрес Подсеть Маска По умолчанию шлюз RA G0/0 172.31.0.1 255.255.255.0 N/A S0/0 209.165.122.2 255.255.255.25 5.255.252 N/A Туннель 0 192.168.1.2 255.255.255.252 N/A RB G0/0 172.31.1.2 255.255.255.0 N/A S0/0/0 64.103.211.2 255.255.255.252 N/A PC-A NIC 172.31.0.2 255.255.255.55.5.5255 0 172.31.0.1 PC-C NIC 172.31.1.2 255.255.255.0 172.31.1.1 Цели Найти и исправить все сетевые ошибки Проверить сценарий подключения Младший администратор сети был нанят для создания туннеля GRE между двумя сайтами и не смог выполнить задачу. You have been asked to correct configuration errors on the company's network. Part 1: Find and fix all network errors. Fixing the bug of the RA G0/0 IP interface and subset mask is not correct. The address of the tunnel must be removed to prevent the overlap error. The Tunnel 0 interface no IP address g0/0 IP address 172.31.0.1 255.255.255.0 RA T0 IP address is not correct. Tunnel interface 0 IP address 192.168.1.1 255.255.255.252 RA Static route is not correct. No IP Route 172.31.1.0 255.255.255.0 64.103.211.2 ip route 172.31.1.0 255.255.255.0 192.168.1.2 RB Tunnel destination is not the correct destination address. The destination tunnel 209.165.122.2 RB Tunnel the source of the port is not correct. Channel Source Serial0/0/0 Part 2: Check Connection Step 1: Ping PCA from PCB. Attempt to ping PCA IP address from PCB. Ping must be successful. Step 2: Follow the path from PCA to PCB. Trying to trace the path from PCA to PCB. Note the lack of public IP addresses in the output. Device Configs Router RA no service timestamps log datetime msec no service timestamps debug datetime msec no service password-encryption hostname RA interface Tunnel0 ip address 192.168.1.1 255.255.255.252 tunnel source Serial0/0/0 tunnel destination 64.103.211.2 tunnel mode gre ip interface GigabitEthernet0/0 ip address 172.31.0.1 255.255.255.0 duplex auto speed auto interface GigabitEthernet0/1 no ip address duplex auto speed auto shutdown interface GigabitEthernet0/2 no ip address duplex auto speed auto shutdown interface Serial0/0/0 ip address 209.165.122.2 255.255.255.252 interface Serial0/0/1 no ip address shutdown interface Vlan1 no ip address shutdown ip classless ip route 0.0.0.0 0.0.0.0 Serial0/0/0 ip route 172.31.1.0 255.255.255.0 192.168.1.2 line con 0 line aux 0 line vty 0 4 login end Router RB no service timestamps log datetime msec no service timestamps debug datetime msec no service password-encryption hostname RB interface Tunnel0 ip address 192.168.1.2 255.255.255.252 tunnel source Serial0/0/0 tunnel destination 209.165.122.2 tunnel mode gre ip interface GigabitEthernet0/0 ip address 172.31.1.1 255.255.255.0 duplex Automatic speed of the car GigabitEthernet0/1 no IP address duplex automatic speed automatic shutdown of the Interface GigabitEthernet0/2 no IP Duplex automatic speed automatic shutdown interface Serial0/0/0 IP address 64.103.211.2 255.255.255.252 Interface Serial0/0/1 No IP address turned off Vlan1 interface not IP address off IP classy IP route 0.0.0.0 0.0.0.0 Serial0/0/0 ip route 172.31.0.0 255.255.255.0 192.168.1.1 line con 0 line aux 0 line vty 0 4 entry end Answer: Red font color or gray is highlighted text that only appears in the copy of the answer. Topology 3.4.2.4 Пакет Tracer - Настройка GRE Addressing Table Device Interface IP Address Subnet Mask Default Gateway RAG0/0 192.168.1.1 255.255.255.0 N/A S0/0/0 64.103.211.2 255.255.255.252 N/A Tunnel 0 10.10.10.1 255.255.255.0 N/A S0/0/0 209.165.165.165.15522.2255.255.252 N/A Tunnel 0 10.10.10.2 255.255.255.0 N/A S0/0/0 209.165.165.165.15522.2255.255.252 N/A PC-ANIC 192.168.1.1 255.255.255.0 192.168.1.1 PC-CNIC 192.168.2.2 255.255.255.0 192.168.2.1 Objectives Part 1: Проверка маршрутизатора Connectivity Part 2: Настройка GRE Tunnels Part 3: Verify PC Connectivity Scenario You являются сетевым администратором компании, которая хочет настроить туннель GRE в удаленном офисе. Both networks are locally configured and need only tunnel mood. Part 1: Connect Step 1: Ping RA from RB. Use a brief command of the show ip interface on RA to determine the IP address of the S0/0/0 port. From RB ping IP IP S0/0/0 address RA. Step 2: PCA Ping from PCB. Attempt to ping PCA IP address from PCB. We will repeat this test after setting up the GRE tunnel. What were the results of the ping? Why? Pings failed because there is no route to its destination. Part 2: Set up GRE Tunnels Step 1: Set up the tunnel interface 0 RA. Enter the configuration mode for the RA 0,RA tunnel (configuration) the interface of the tunnel 0 Set IP address specified in the Address Table. RA (configuration-if) IP address 10.10.1.255.255.252 Source and Destination set for tunnel endpoints 0,RA (config-if) tunnel source s0/0/0 RA (config-if) tunnel destination 209.165.122.2 Configure tunnel 0 to transmit IP traffic by GRE. The GRE ip The Tunnel 0 tunnel interface should already be active. In case it's not, treat it like any other interface. RA (configuration-if) no shutdown Step 2: Set up the tunnel interface 0 RB. Repeat Steps 1a - e with RB. Don't forget to change your IP address if you need to. RB (config) - interface tunnel 0 RB (config-if) and ip-address 10.10.10.2 255.255.255.252 RB (config-if) RB (configuration-if) - Destination tunnel 64.103.211.2 RB (configuration-if) tunnel mode gre ip RB (configuration-if) no shutdown Step 3: Setting the route for private IP traffic. Set the route between the 192.168.X.X networks using the 10.10.10.0/30 network as a destination. RA (config) Ip Route 192.168.2.0 255.255.255.0 10.10.10.2 RB (config) P Route 1 1 1 1 1 255.255.0 10.10.1 Part 3: Check the router Step Connectivity 1: Ping PCA from PCB. Attempt to ping PCA IP address from PCB. Ping must be successful. Step 2: Follow FROM PCA to PCB. Trying to trace the path from PCA to Note the lack of public IP addresses in the output. Device Configs Router RANo service timestamps log datetime msec no service timestamps debug datetime msec no service password-encryption hostname RA license udi pid CISCO2911K9 sn FTX15242579 spanning-tree mode pvst interface Tunnel0 ip address 10.10.10.1 255.255.255.252 tunnel source Serial0/0/0 tunnel destination 209.165.122.2 tunnel mode gre ip interface GigabitEthernet0/0 ip address 192.168.1.1 255.255.255.0 duplex auto speed auto interface GigabitEthernet0/1 no ip address duplex auto speed auto shutdown interface GigabitEthernet0/2 no ip address duplex auto speed auto shutdown interface Serial0/0/0 ip address 64.103.211.2 255.255.255.252 interface Serial0/0/1 no ip address shutdown interface Vlan1 no ip address shutdown ip classless ip route 192.168.2.0 255.255.255.0 10.10.10.2 ip route 0.0.0.0 0.0.0.0 Serial0/0/0 line con 0 line aux 0 line vty 0 4 login end Router RBno service timestamps log datetime msec no service timestamps debug datetime msec no service password-encryption license udi pid CISCO2911K9 sn FTX15249724 spanning-tree mode pvst interface Tunnel0 ip address 10.10.10.2 255.255.255.252 tunnel source Serial0/0/0 tunnel destination 64.103.211.2 tunnel mode gre ip interface GigabitEthernet0/0 ip address 192.168.2.1 255.255.255.0 duplex automatic speed auto interface GigabitEthernet0/1 no IP address duplex automatic speed automatic shutdown interface GigabitEthernet0/2 no IP address duplex automatic automatic shutdown speed ! Serial0/0/0 IP address 209.165.122.2 255.255.255.255.252 ! The Serial0/0/1 interface is not an IP address turned off the Vlan1 interface not an IP address turning off the IP classless IP route 192.168.1.0 255.255.255.0 10.10.10.10.1 IP Route 0.0.0.0 0.0.0.0 Serial0/0/0 Line Con 0 Line 0 Line vty 0 4 End Of Entry You read Free Preview Page 4 is not displayed in this preview. Tracer - Troubleshooting GRE Table Problem Solutions Find and Fix All Network Errors To set up the GRE tunnel between the two objects was hired by a junior network administrator who failed to complete the task. You have been asked to correct configuration errors on the company's network. Part 1: Find and fix all network errors. Part 2: Check Connection Step 1: PCA Ping from PCB. Attempt to ping PCA IP address from PCB. Ping must be successful. Step 2: Follow the path from PCA to PCB. Trying to trace the path from PCA to PCB. Note the lack of public IP addresses in the output. Configuration RA: include the terminal interface tunnel 0 not ip-address interface g0/0 no IP address IP address 172.31.0.1 255.255.255.0 tunnel interface 10 ip address 192.168.1.1 255.255.255.252 tunnel source s0/0/0 destination tunnel 64.103.211.2 tunnel mode gre ip without exiting the stop without ip route 172.31.1.0 255.255.255.0 64.103.211.2 IP route 172.31.1.0 255.255.255.0 end write memory! RB Configuration: Include The Terminal Interface Tunnel 0 Tunnel Source s0/0/0 Destination Tunnel Tunnel mode gre IP does not turn off the end of the end write the memory !!

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