

## Remote Access IPsec. Cisco IOS router as an ezVPN Server

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### IOS Config: IPsec ezVPN Server with local authentication

```
aaa authentication login aaaVPN local
aaa authorization network aaaVPN local
!
username UserTest privilege 0 secret PleaseChangeMe!
!
crypto isakmp policy 10
 hash sha
 encryption aes
 authentication pre-share
 group 2
!
crypto isakmp client configuration group grpVPN
 netmask 255.255.255.0
 pool poolVPN
 acl aclSPLIT
 dns 192.168.100.1  !Internal DNS-server
 domain mycompany.local
 split-dns mycompany.local
 key PleaseChangeMe!
!
crypto isakmp profile ikePRF1
 match identity group grpVPN
 client authentication list aaaVPN
 isakmp authorization list aaaVPN
 client configuration address respond
 virtual-template 1
!
crypto ipsec transform-set ts1 esp-aes 256 esp-sha-hmac
!
crypto ipsec profile crPRF1
 set transform-set ts1
!
interface Loopback0
 ip address 192.168.255.255 255.255.255.255
!
interface Virtual-Template1 type tunnel
 ip unnumbered Loopback0
 tunnel mode ipsec ipv4
 tunnel protection ipsec profile crPRF1
!
ip local pool poolVPN 192.168.101.240 192.168.101.254
!
ip access-list extended aclSPLIT
 permit ip 192.168.100.0 0.0.0.255 192.168.101.240 0.0.0.15
```

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Some notes:

User authentication done via local router database

192.168.100.0/24 is considered as an address range for corporate network

192.168.101.240/28 is considered as VPN user address range

To successfully connect user must know group name and group key (*grpVPN* and *PLeaseChangeMe!* in this example) and personal login and password (*UserTest* and *PLeaseChangeMe!* in this example)

[Cisco ezVPN configuration examples](#)

[Cisco IOS Security Configuration Guide, Release 12.4T](#)