

Remote Access IPsec. Cisco ASA as an ezVPN Server

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ASA Config: ASA ezVPN Server with local authentication

```
sysopt connection permit-ipsec
crypto isakmp enable outside
crypto isakmp nat-traversal 60
crypto isakmp policy 10
authentication pre-share
encryption aes-256
hash sha
group 2
lifetime 86400
!
crypto ipsec transform-set ts1 esp-aes-256 esp-sha-hmac
crypto dynamic-map crDM1 10 set pfs
crypto dynamic-map crDM1 10 set transform-set ts1
crypto dynamic-map crDM1 10 set security-association lifetime seconds 28800
crypto dynamic-map crDM1 10 set security-association lifetime kilobytes 4608000
crypto dynamic-map crDM1 10 set reverse-route
crypto map crM1 10000 ipsec-isakmp dynamic crDM1
crypto map crM1 interface outside
!
access-list splitUsers extended permit ip 10.0.0.0 255.0.0.0 any
ip local pool vpnUsers 192.168.13.1-192.168.13.254 mask 255.255.255.0
!
group-policy vpnUsers internal
group-policy vpnUsers attributes
vpn-tunnel-protocol IPSec
password-storage disable
split-tunnel-policy tunnelspecified
split-tunnel-network-list value splitUsers
!
tunnel-group vpnUsers type remote-access
tunnel-group vpnUsers general-attributes
address-pool vpnUsers
authentication-server-group LOCAL
default-group-policy vpnUsers
!
tunnel-group vpnUsers ipsec-attributes
pre-shared-key PleaseChangeMe!
!
username User1 password PleaseChangeMe! privilege 0
```

Some notes:

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User authentication done via local database

10.0.0.0/8 is considered as an address range for corporate network

192.168.13.0/24 is considered as VPN user address range

To successfully connect user must know group name and group key (*vpnUsers* and *PLeaseChangeMe!* in this example) and personal login and password (*User1* and *PLeaseChangeMe!* in this example)

[Cisco IOS router as an ezVPN Server](#)