



# Amazon Virtual Private Cloud (Version 2012-08-15)

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## Quick Reference Card (Page 1)

| Subnet Tools   | Network ACL Tools   | Route Table Tools  | VPC Elastic IP Address Tools  |
|--|---|--|---|
| <p><b>ec2-create-subnet (ec2addsubnet)</b><br/>Creates a subnet with the specified CIDR block in the specified VPC.<br/><code>ec2-create-subnet -c vpc_id -i cidr [-z availability_zone]</code></p>  | <p><b>ec2-create-network-acl-entry (ec2addnae)</b><br/>Adds a rule to a network ACL.<br/><code>ec2-create-network-acl-entry acl_id -n rule_number [--egress] -P protocol -r cidr [-p port_range] [-t icmp_type_code] [--allow   --deny]</code></p>  | <p><b>ec2-create-route (ec2addrtr)</b><br/>Creates a new route in a route table. The route's target can be a gateway attached to the VPC or a NAT instance in the VPC.<br/><code>ec2-create-route route_table_id -r cidr {-g gateway_id   -i instance_id}</code></p>   | <p><b>ec2-allocate-address (ec2allocaddr)</b><br/>Acquires an Elastic IP address for use with Amazon VPC.<br/><code>ec2-allocate-address -d vpc</code></p>  |
| <p><b>ec2-describe-subnets (ec2dsubnet)</b><br/>Gives information about your subnets.<br/><code>ec2-describe-subnets [subnet_id ...] [--filter name=value] ...]</code></p>   | <p><b>ec2-delete-network-acl-entry (ec2delnae)</b><br/>Removes a rule from a network ACL.<br/><code>ec2-delete-network-acl-entry acl_id -n rule_number [--egress]</code></p>  | <p><b>ec2-delete-route (ec2delrt)</b><br/>Deletes a route from a route table.<br/><code>ec2-delete-route route_table_id -r cidr</code></p>   | <p><b>ec2-release-address (ec2reladdr)</b><br/>Releases a VPC Elastic IP address.<br/><code>ec2-release-address -a allocation_id</code></p>   |
| <p><b>ec2-delete-subnet (ec2delsubnet)</b><br/>Deletes the specified subnet. All running instances in the VPC must be terminated first.<br/><code>ec2-delete-subnet subnet_id</code></p>   | <p><b>ec2-replace-network-acl-entry (ec2repnae)</b><br/>Replaces a rule in a network ACL.<br/><code>ec2-replace-network-acl-entry acl_id -n rule_number [--egress] -P protocol -r cidr [-p port_range] [-t icmp_type_code] [--allow   --deny]</code></p>  | <p><b>ec2-replace-route (ec2reprt)</b><br/>Replaces an existing route in a route table.<br/><code>ec2-replace-route route_table_id -r cidr {-g gateway_id   -i instance_id}</code></p>   | <p><b>ec2-associate-address (ec2assocaddr)</b><br/>Associates a VPC Elastic IP address with an instance.<br/><code>ec2-associate-address -i instance_id -a allocation_id</code></p>   |
| VPC Security Group Tools   |   | <p><b>ec2-associate-route-table (ec2assocrtb)</b><br/>Associates a subnet with a route table.<br/><code>ec2-associate-route-table route_table_id -s subnet_id</code></p>   | <p><b>ec2-disassociate-address (ec2disaddr)</b><br/>Disassociates the specified VPC Elastic IP address from the instance to which it is assigned.<br/><code>ec2-disassociate-address -a association_id</code></p>   |
| <p><b>ec2-create-group (ec2addgrp)</b><br/>Creates a VPC security group.<br/><code>ec2-create-group group_name -d description -c vpc_id</code></p>   | DHCP Options Tools  | <p><b>ec2-associate-route-table (ec2assocrtb)</b><br/>Associates a subnet with a route table.<br/><code>ec2-associate-route-table route_table_id -s subnet_id</code></p>   | <p><b>ec2-disassociate-address (ec2disaddr)</b><br/>Disassociates the specified VPC Elastic IP address from the instance to which it is assigned.<br/><code>ec2-disassociate-address -a association_id</code></p>   |
| <p><b>ec2-authorize (ec2auth)</b><br/>Adds an ingress or egress rule to a VPC security group.<br/><code>ec2-authorize group_id [--egress] [-P protocol] [-p port_range   -t icmp_type_code] [-o source_or_dest_group ...] [-s source_or_dest_cidr ...]</code></p>  | <p><b>ec2-create-dhcp-options (ec2adddopt)</b><br/>Creates a set of DHCP options that you can associate with one or more VPCs. Valid option names: domain-name (e.g., example.com) domain-name-servers (up to four allowed) ntp-servers (up to four allowed) netbios-name-servers (up to four allowed) netbios-node-type (1 2 4 8)<br/><code>ec2-create-dhcp-options option_name=value [option_name=value ...]</code></p> | <p><b>ec2-disassociate-route-table (ec2disrtb)</b><br/>Disassociates a subnet from a route table.<br/><code>ec2-disassociate-route-table route_table_association_id</code></p>   | <p><b>ec2-describe-addresses (ec2daddr)</b><br/>Lists your EC2 and VPC Elastic IP addresses. If no address or allocation ID is specified, all addresses are returned.<br/><code>ec2-describe-addresses [public_ip ...   allocation_id ...] [--filter name=value] ...]</code></p>                    |
| <p><b>ec2-revoke (ec2revoke)</b><br/>Removes an ingress or egress rule from a VPC security group.<br/><code>ec2-revoke group_id [--egress] [-P protocol] [-p port_range   -t icmp_type_code] [-o source_or_dest_group ...] [-s source_or_dest_cidr ...]</code></p> | <p><b>ec2-associate-dhcp-options (ec2assocdopt)</b><br/>Associates a set of DHCP options or no options with a VPC (specifying default means no options).<br/><code>ec2-associate-dhcp-options {dhcp_options_id   default} -c vpc_id</code></p>  | <p><b>ec2-replace-route-table-association (ec2reprtassoc)</b><br/>Changes which route table a subnet is associated with. Or changes which table is the main route table.<br/><code>ec2-replace-route-table-association route_table_association_id -r route_table_id</code></p>   | VPC Creation Tools  |
| <p><b>ec2-describe-group (ec2dgrp)</b><br/>Lists your EC2 and VPC security groups.<br/><code>ec2-describe-group [ec2_group_name_or_id ...   vpc_group_id ...] [--filter name=value] ...]</code></p>  | <p><b>ec2-describe-dhcp-options (ec2ddopt)</b><br/>Gives information about your sets of DHCP options.<br/><code>ec2-describe-dhcp-options [dhcp_options_id ...] [--filter name=value] ...]</code></p>   | Instance Tools   | <p><b>ec2-create-vpc (ec2addvpc)</b><br/>Creates a VPC with the CIDR block you specify.<br/><code>ec2-create-vpc cidr [tenancy]</code></p>  |
|  |   | <p><b>ec2-describe-instance-attribute (ec2dinatt)</b><br/>Describes an attribute for the specified instance.<br/><code>ec2-describe-instance-attribute instance_id { -block-device-mapping   --disable-api-termination   --instance-initiated-shutdown-behavior   --instance-type   --kernel   --ramdisk   --root-device-name   --user-data   --group-id   --source-dest-check}</code></p> | <p>This <i>Amazon Virtual Private Cloud Quick Reference Card</i> contains commonly used commands and options. For complete reference information, see the Amazon EC2 Command Line Reference at <a href="http://aws.amazon.com/documentation/ec2/">http://aws.amazon.com/documentation/ec2/</a>.</p> |



### VPN Tools

#### **ec2-create-customer-gateway (ec2addcgw)**

Provides information to AWS about your VPN customer gateway device.

```
ec2-create-customer-gateway -t type  
-i ip_address -b bgp_asn
```

#### **ec2-create-vpn-gateway (ec2addvgw)**

Creates a new VPN gateway.

```
ec2-create-vpn-gateway -t type  
[ -z availability_zone ]
```

#### **ec2-create-vpn-connection (ec2addvpn)**

Creates a new VPN connection between an existing VPN gateway and customer gateway.

```
ec2-create-vpn-connection -t type  
--customer-gateway customer_gateway_id  
--vpn-gateway vpn_gateway_id [--format  
format] | [--stylesheet your_stylesheet]
```