

Creation Of Basic Infrastructure

Within the scope of the project, a VPC with a CIDR address of 10.0.0.0/16 was created. This is a VPC template with more than enough subnets for future services. For Nginx Web Server installation, the web server was assigned to subnet 10.0.0.0/24. A route table was created for the subnets of the server to be created to connect to the internet.

VPC > Your VPCs > vpc-097825383c424a849

vpc-097825383c424a849 / Nginx Web Server

Actions ▼

Details info

VPC ID vpc-097825383c424a849	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0115ab7c98a815134	Main route table rtb-0cf2929789162bd4f	Main network ACL acl-0ca6e25597de83478
Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups -	Owner ID 273737642040	

subnet-057e144bfc45d349d / Nginx Web Subnet

Actions ▼

Details

Subnet ID subnet-057e144bfc45d349d	Subnet ARN arn:aws:ec2:eu-north-1:273737642040:subnet/subnet-057e144bfc45d349d	State Available	IPv4 CIDR 10.0.0.0/24
Available IPv4 addresses 251	IPv6 CIDR -	Availability Zone eu-north-1a	Availability Zone ID eun1-az1
Network border group eu-north-1	VPC vpc-097825383c424a849 Nginx Web Server	Route table rtb-0cf2929789162bd4f	Network ACL acl-0ca6e25597de83478
Default subnet No	Auto-assign public IPv4 address No	Auto-assign IPv6 address No	Auto-assign customer-owned IPv4 address No
Customer-owned IPv4 pool -	Outpost ID -	IPv4 CIDR reservations -	IPv6 CIDR reservations -
IPv6-only No	Hostname type IP name	Resource name DNS A record Disabled	Resource name DNS AAAA record Disabled
DNS64 Disabled	Owner 273737642040		

VPC > Route tables > rtb-0da8a3182c3a419b7

rtb-0da8a3182c3a419b7 / Nginx Web Server Route Table

Actions ▼

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Details info

Route table ID rtb-0da8a3182c3a419b7	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-097825383c424a849 Nginx Web Server	Owner ID 273737642040		

Later, when private subnets were added to the project, an internet gateway was created for them to access the internet and added to the VPC connected to the project.

VPC > Internet gateways > igw-0bf0efdc0a1a375ce

igw-0bf0efdc0a1a375ce / Nginx Project Internet Gateway

Actions

Details info

Internet gateway ID igw-0bf0efdc0a1a375ce	State Attached	VPC ID vpc-097825383c424a849 Nginx Web Server	Owner 273737642040
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Tags Manage tags

Search tags

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Key	Value
Name	Nginx Project Internet Gateway

Security group was created for Nginx Web Server to be created within the scope of the project. This security group is configured to access ssh connections only from my IP address, http and https connections from everywhere.

VPC > Security Groups > sg-009c73d747cfb98fb - Nginx Security Group

sg-009c73d747cfb98fb - Nginx Security Group

Actions

Details

Security group name Nginx Security Group	Security group ID sg-009c73d747cfb98fb	Description Security Group For Nginx Web Server. In this Security Group only my IP access from ssh, http and https port open for anywhere from IPv4	VPC ID vpc-097825383c424a849
Owner 273737642040	Inbound rules count 3 Permission entries	Outbound rules count 3 Permission entries	

Inbound rules Outbound rules Tags

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Inbound rules (3)

Filter security group rules

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<input type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
<input type="checkbox"/>	-	sg-09920e8bad581f7b5	IPv4	HTTPS	TCP	443	0.0.0.0/0	-
<input type="checkbox"/>	-	sg-0e780d47da1c491bf	IPv4	HTTP	TCP	80	0.0.0.0/0	-
<input type="checkbox"/>	-	sg-0915e75d121581...	IPv4	SSH	TCP	22	78.183.97.74/32	-

VPC > Security Groups > sg-009c73d747cfb98fb - Nginx Security Group

sg-009c73d747cfb98fb - Nginx Security Group

Actions

Details

Security group name Nginx Security Group	Security group ID sg-009c73d747cfb98fb	Description Security Group For Nginx Web Server. In this Security Group only my IP access from ssh, http and https port open for anywhere from IPv4	VPC ID vpc-097825383c424a849
Owner 273737642040	Inbound rules count 3 Permission entries	Outbound rules count 3 Permission entries	

Inbound rules Outbound rules Tags

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Outbound rules (3)

Filter security group rules

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<input type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range	Destination	Description
<input type="checkbox"/>	-	sg-0b3b8b7e73855dc...	IPv4	HTTPS	TCP	443	0.0.0.0/0	-
<input type="checkbox"/>	-	sg-0f25ab7e53137d1e2	IPv4	SSH	TCP	22	78.183.97.74/32	-
<input type="checkbox"/>	-	sg-074c93fac5d9d9bb4	IPv4	HTTP	TCP	80	0.0.0.0/0	-