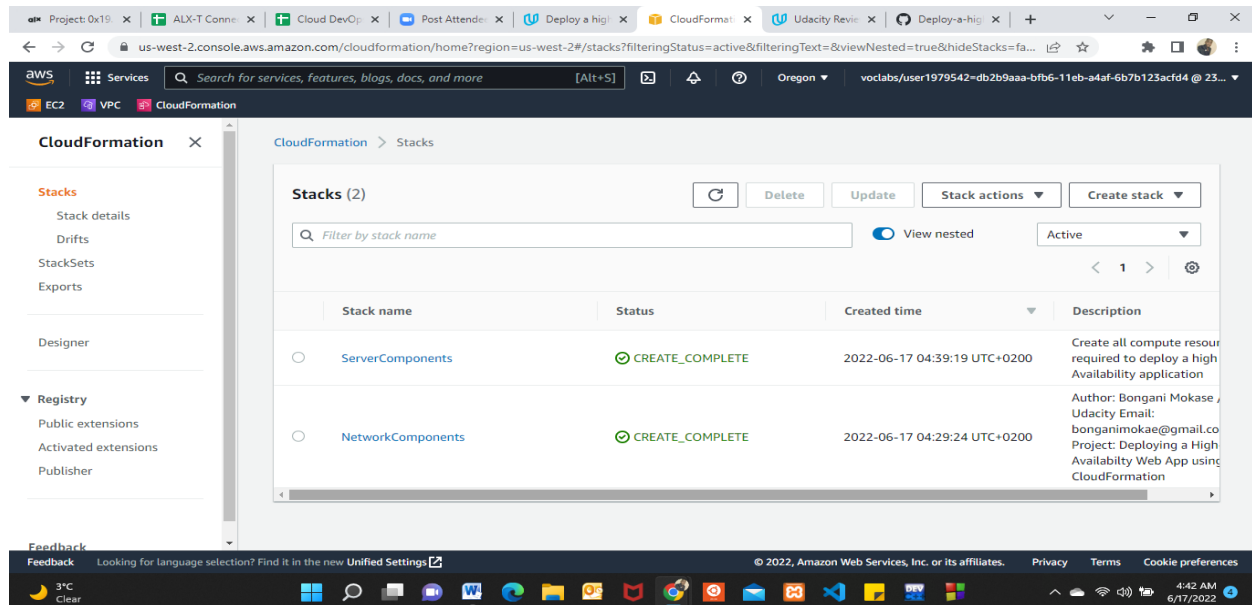


Running Stacks for Networking and Servers components



Networking Components Screenshots:

Figure 1: Networking Parameters.

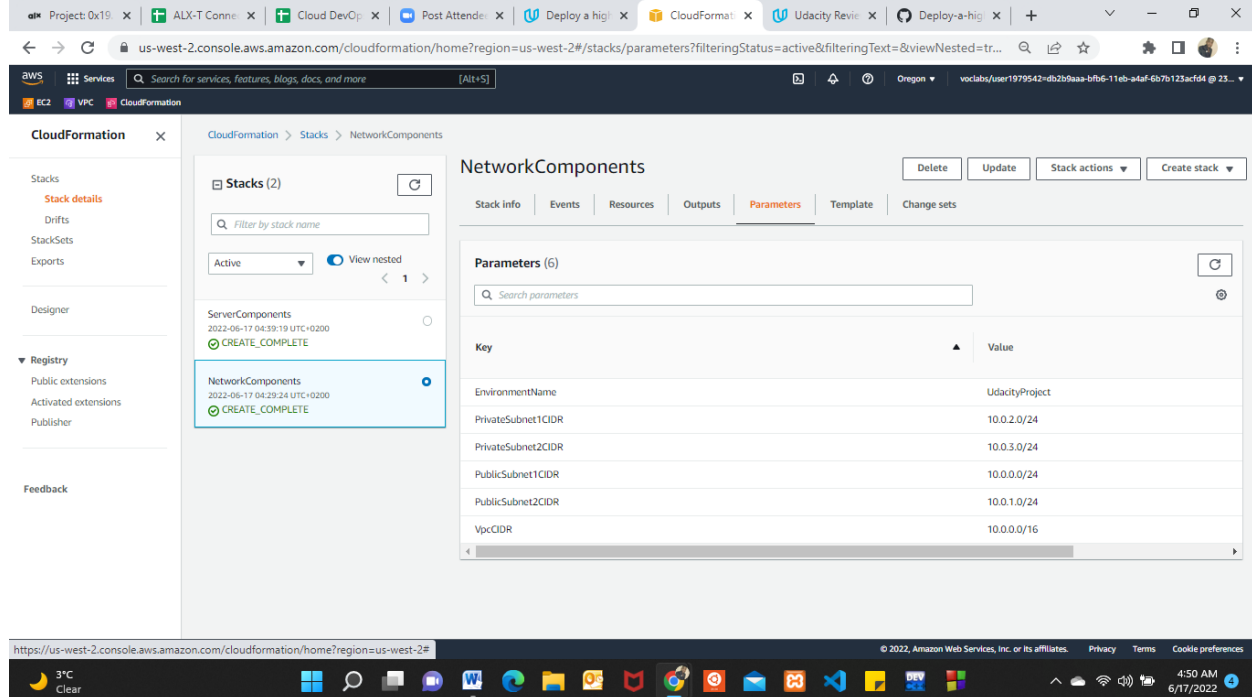


Figure 2: Networking Resources.

us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/resources?filteringStatus=active&filteringText=&viewNested=true...

CloudFormation > Stacks > NetworkComponents

Stacks (2)

Filter by stack name

Active View nested < 1 >

ServerComponents
2022-06-17 04:39:19 UTC+0200
CREATE_COMPLETE

NetworkComponents
2022-06-17 04:29:24 UTC+0200
CREATE_COMPLETE

Resources (21)

Search resources

Logical ID	Physical ID	Type	Status	Status reason	Module
DefaultPrivateRoute2	Netwo-Defau-LM2H6U9JYMMK	AWS::EC2::Route	CREATE_COMPLETE	-	-
DefaultPublicRoute	Netwo-Defau-1J5A7984N6VJH	AWS::EC2::Route	CREATE_COMPLETE	-	-
InternetGateway	lgw-0d8e646b019056aba	AWS::EC2::InternetGateway	CREATE_COMPLETE	-	-
InternetGatewayAttachment	Netwo-inter-AAW9M9687450	AWS::EC2::VPCElasticNetworkInterface	CREATE_COMPLETE	-	-
NATGateway1	nat-0d528bb128ef40ea8	AWS::EC2::NATGateway	CREATE_COMPLETE	-	-
NATGateway1EIP	54.216.198.5	AWS::EC2::EIP	CREATE_COMPLETE	-	-
NATGateway2	nat-0652bfa27e8089ce7	AWS::EC2::NATGateway	CREATE_COMPLETE	-	-
NATGateway2EIP	52.53.3.30	AWS::EC2::EIP	CREATE_COMPLETE	-	-
PrivateRouteTable1	rtb-077ea094f1359eae7	AWS::EC2::RouteTable	CREATE_COMPLETE	-	-
PrivateRouteTable2	rtb-049aa6c8fe695c33b	AWS::EC2::RouteTable	CREATE_COMPLETE	-	-
PrivateSubnet1	subnet-006738704c07729ed	AWS::EC2::Subnet	CREATE_COMPLETE	-	-
PrivateSubnet1RouteTableAssociation	rtbassoc-0727f5790d60025cd	AWS::EC2::SubnetRouteTableAssociation	CREATE_COMPLETE	-	-

Feedback Looking for language selection? Find it in the new Unified Settings.

3°C Clear

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Figure 3: Networking Outputs.

us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/outputs?filteringStatus=active&filteringText=&viewNested=true&...

CloudFormation > Stacks > NetworkComponents

Stacks (2)

Filter by stack name

Active View nested < 1 >

ServerComponents
2022-06-17 04:39:19 UTC+0200
CREATE_COMPLETE

NetworkComponents
2022-06-17 04:29:24 UTC+0200
CREATE_COMPLETE

NetworkComponents

Stack info Events Resources Outputs Parameters Template Change sets

Outputs (10)

Search outputs

Key	Value	Description	Export name
PrivateSubnet1	subnet-006738704c07729ed	A reference to the private subnet in the 1st Availability Zone	UdacityProject-PRI1-SN
PrivateSubnet2	subnet-0b159fbae5e35fd9	A reference to the private subnet in the 2nd Availability Zone	UdacityProject-PRI2-SN
PrivateSubnets	subnet-006738704c07729ed,subnet-0b159fbae5e35fd9	A list of the private subnets	UdacityProject-PRIV-NETS
PublicSubnet1	subnet-0161b7f6c9269fe56	A reference to the public subnet in the 1st Availability Zone	UdacityProject-PUB1-SN
PublicSubnet2	subnet-0fc776158625b17e	A reference to the public subnet in the 2nd Availability Zone	UdacityProject-PUB2-SN
PublicSubnets	subnet-0161b7f6c9269fe56,subnet-0fc776158625b17e	A list of the public subnets	UdacityProject-PUB-NETS
VPC	vpc-0a1fa7fd9ba6487	A reference to the created VPC	UdacityProject-VPCID
VPCPrivateRouteTable1	rtb-077ea094f1359eae7	Private Routing AZ1	UdacityProject-PRI1-RT
VPCPrivateRouteTable2	rtb-049aa6c8fe695c33b	Private Routing AZ2	UdacityProject-PRI2-RT
VPCPublicRouteTable	rtb-0547e63ae7f9228e1	Public Routing	UdacityProject-PUB-RT

https://us-west-2.console.aws.amazon.com/cloudformation/home?region=us-west-2#/stacks/outputs?filteringStatus=active&filteringText=&viewNested=true&...

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4:54 AM 6/17/2022

Servers Components Screenshots:

Figure 1: Servers Resources.

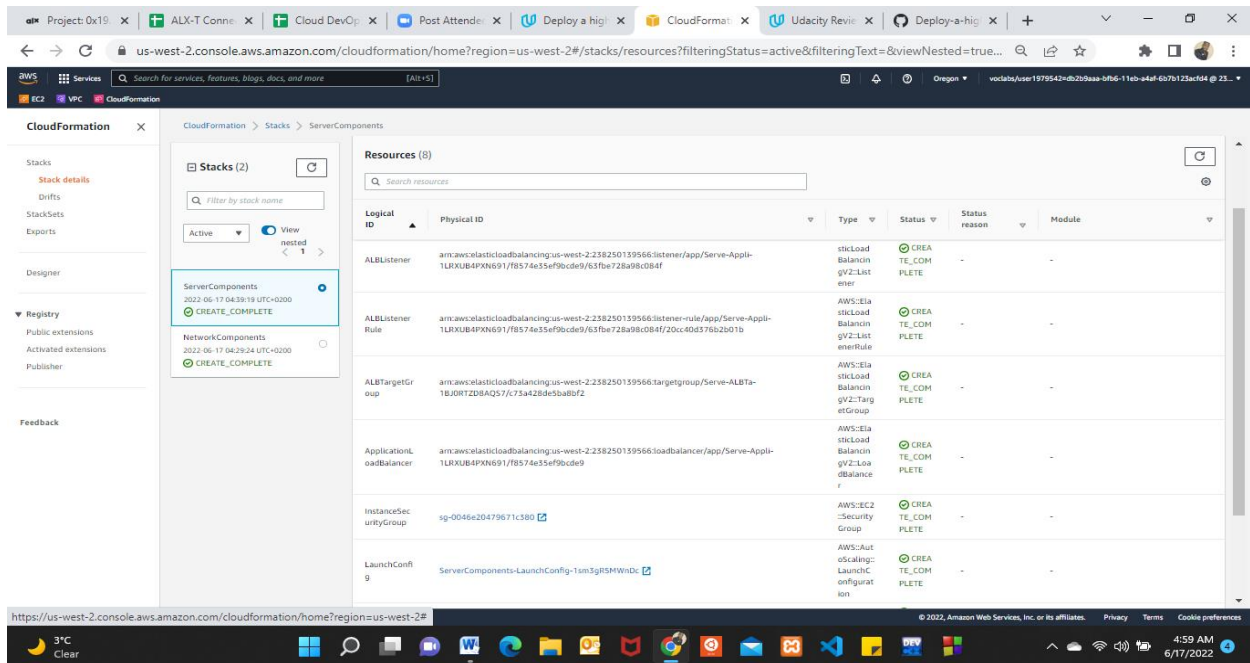


Figure 2: Servers Outputs with URL to access the application.

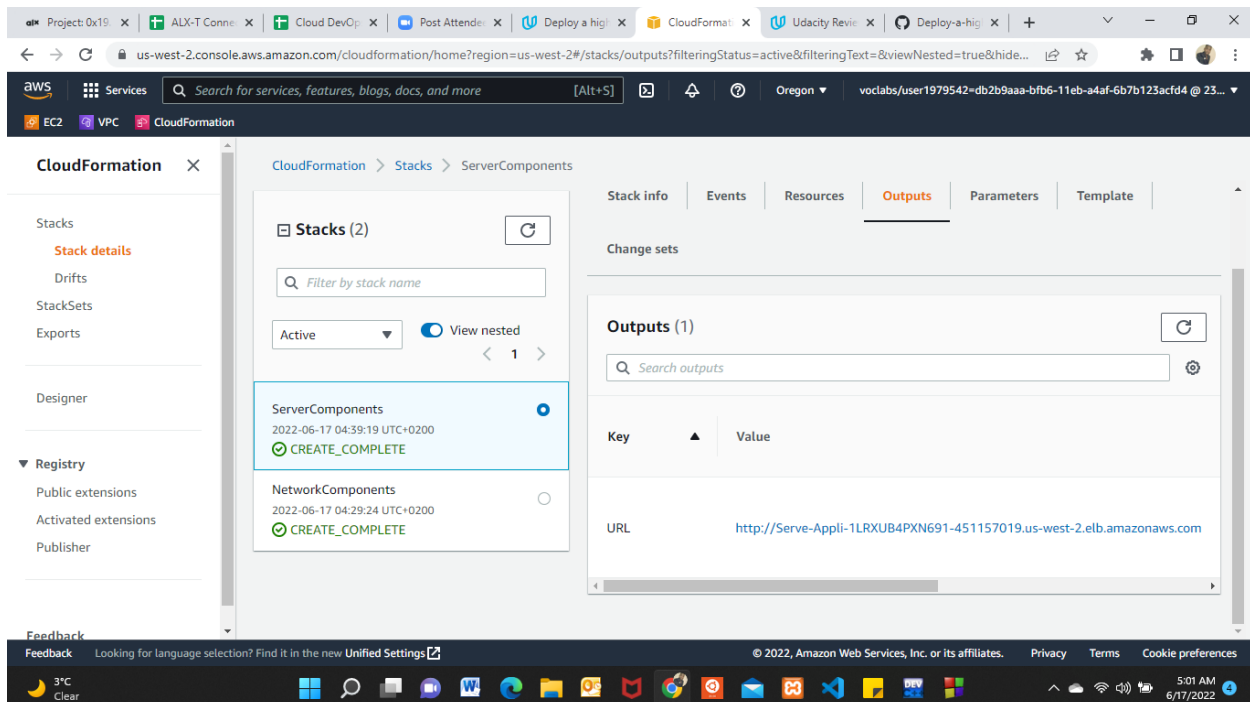


Figure 3: Load-Balancer-Target Group and Healthy status

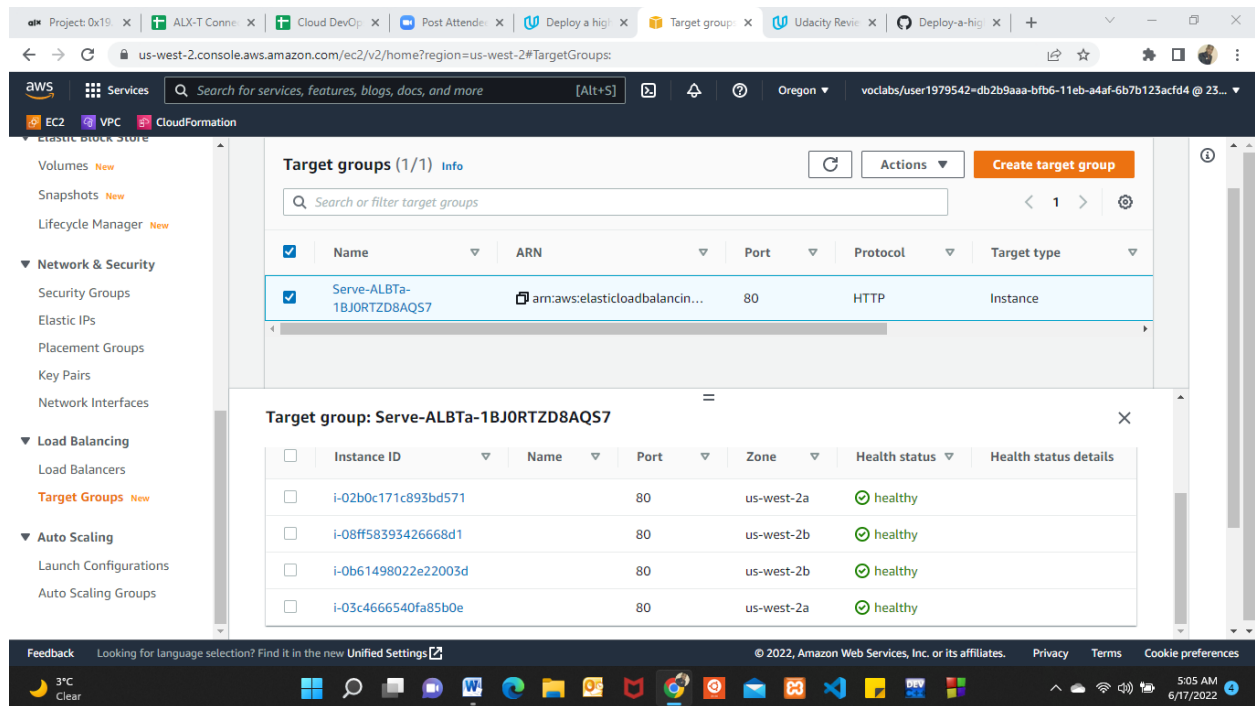


Figure 4: Load-Balancer is Present and DNS Name you can use to access website

DNS Name: Serve-Appli-1LRXUB4PXN691-451157019.us-west-2.elb.amazonaws.com

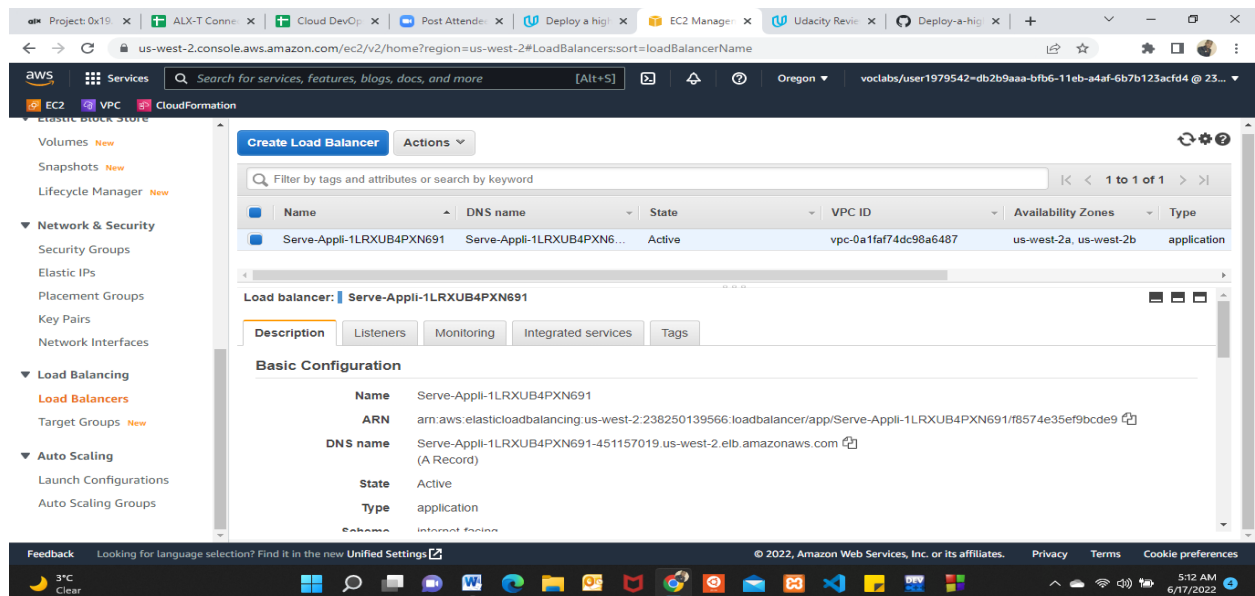


Figure 5: Load-Balancer-Listener on port 80

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for various services. The main content area displays the 'Listeners' tab for a specific Load Balancer. The 'Listeners' tab shows a table with one listener configured for HTTP on port 80. The listener is associated with the 'Serve-Appli-1LRXUB4PXN691' Load Balancer and the 'vpc-0a1faf74dc98a6487' VPC. The listener rules are set to forward traffic to the 'Serve-ALBta-1BJORTZD8AQ57' target group.

Listener ID	Security policy	SSL Certificate	Rules
HTTP : 80 arn...63fbc728a98c084f+	N/A	N/A	Default: forwarding to Serve-ALBta-1BJORTZD8AQ57 View/edit rules

Figure 6: Auto-scaling is using Private Subnets

The screenshot shows the AWS Management Console interface for an Auto Scaling Group. The main content area displays the details of the 'ServerComponents-WebServerGroup-1KPIWQ5NRWSHM8...' Auto Scaling Group. The 'Network' section shows that the group is using the 'us-west-2a, us-west-2b' Availability Zones and the 'subnet-006738704c07729ed, subnet-0b159fbae5e35fd9' Subnet ID. The 'Load balancing' section shows that the group is associated with the 'Serve-ALBta-1BJORTZD8AQ57' Load Balancer target group.

Instance type	Key pair name	Create time
t3.small	-	Fri Jun 17 2022 04:39:34 GMT+0200 (South Africa Standard Time)

Availability Zones	Subnet ID
us-west-2a, us-west-2b	subnet-006738704c07729ed, subnet-0b159fbae5e35fd9

Load balancer target groups	Classic Load Balancers
Serve-ALBta-1BJORTZD8AQ57	-

Figure 7: Auto-scaling Machine Specifications

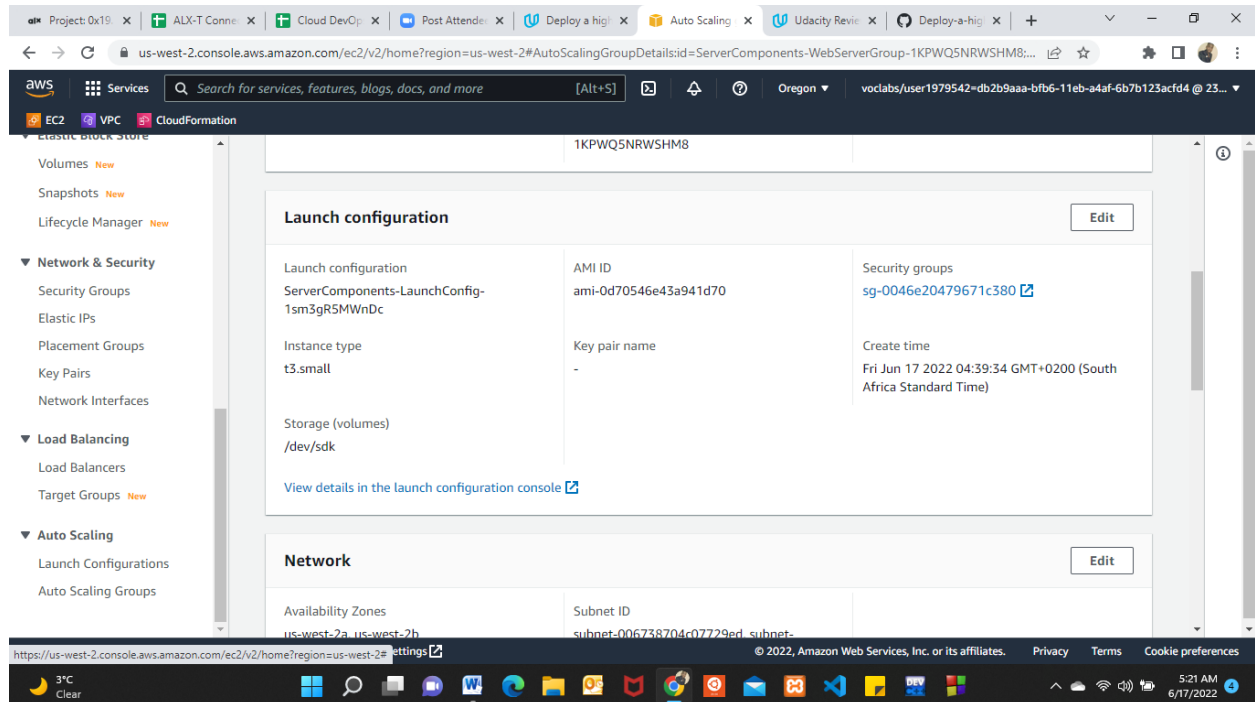


Figure 7: Load Balancer URL Output

