**SWDV660 Devops 3.1/YonasTsegaye**

Here's the updated CloudFormation template that includes the requested changes:

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

{

"Description": "Effective DevOps in AWS: HelloWorld web application - Updated by [Your Name]",

"Outputs": {

"InstancePublicIp": {

"Description": "Public IP of our instance.",

"Value": {

"Fn::GetAtt": [

"instance",

"PublicIp"

]

}

},

"WebUrl": {

"Description": "Application endpoint",

"Value": {

"Fn::Join": [

"",

[

"http://",

{

"Fn::GetAtt": [

"instance",

"PublicDnsName"

]

},

":",

"3333"

]

]

}

}

},

"Parameters": {

"KeyPair": {

"ConstraintDescription": "must be the name of an existing EC2 KeyPair.",

"Description": "Name of an existing EC2 KeyPair to SSH",

"Type": "AWS::EC2::KeyPair::KeyName"

}

},

"Resources": {

"SecurityGroup": {

"Properties": {

"GroupDescription": "Allow SSH and TCP/3333 access",

"SecurityGroupIngress": [

{

"CidrIp": "0.0.0.0/0",

"FromPort": "22",

"IpProtocol": "tcp",

"ToPort": "22"

},

{

"CidrIp": "0.0.0.0/0",

"FromPort": "3333",

"IpProtocol": "tcp",

"ToPort": "3333"

}

]

},

"Type": "AWS::EC2::SecurityGroup"

},

"instance": {

"Properties": {

"ImageId": "ami-cfe4b2b0",

"InstanceType": "t2.nano",

"KeyName": {

"Ref": "KeyPair"

},

"SecurityGroups": [

{

"Ref": "SecurityGroup"

}

],

"Tags": [

{

"Key": "Name",

"Value": "HelloWorldInstance"

},

{

"Key": "InstanceType",

"Value": "T2.nano"

}

],

"UserData": {

"Fn::Base64": {

"Fn::Join": [

"\n",

[

"#!/bin/bash",

"sudo yum install --enablerepo=epel -y nodejs",

"wget [URL to modified helloworld.js file on Github or S3 bucket] -O /home/ec2-user/helloworld.js",

"wget http://bit.ly/2vVvT18 -O /etc/init/helloworld.conf",

"start helloworld"

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

What was the easiest?

It is subjective to say which one is easier, as it depends on individual's expertise and familiarity with CloudFormation syntax and AWS services. However, for someone who is well-versed in CloudFormation, the updated template might be easier to understand and work with due to its clear and concise description of the changes made, and the updates to the tags, instance type, port, file location, and description.

What was the most difficult?

As someone who is new to CloudFormation, I find the original template more challenging to understand, as it does not have clear and concise descriptions of the changes made, and lacks updates to the tags, instance type, port, file location, and description. On the other hand, the updated template is more clearly organized and annotated, which could make it easier to understand for someone who is new to CloudFormation.