Error with Not existing instance profile in Elastic Beanstalk

Standard Operating Procedure

Date: 10/04/2024

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Revision History

Revision History

Name	Date	Reason for changes	Version
ABI F	10/04/2024	First Draft	1.0

1. Introduction

1.1. Purpose of the Document

This document provides a standard operating procedure (SOP) to troubleshoot and resolve the issue in which the clients are not able to connect to Error with Not existing instance profile in Elastic Beanstalk

2. Procedure

2.1. Troubleshooting the issue

If the Elastic Beanstalk is not responding to Existing instance profile, please follow the below steps

According to AWS security guidelines don't allow an AWS service to automatically create roles with trust policies to other AWS services,
Because of these security guidelines, Elastic Beanstalk no longer creates a default aws-elasticbeanstalk-ec2-role instance profile.

3.RESOLUTION

So, if your AWS account doesn't have an EC2 instance profile, you must create one using the IAM service. You can then assign the EC2 instance profile to the new environments that you create.

3.1 Steps to be followed:

Creating IAM profile

Open IAM Console → In the navigation pane of the console, choose Roles and then create role → Under Trusted entity type, choose AWS service → Under Use case, choose EC2 → Choose Next →Attach- AWSElasticBeanstalkWebTier, AWSElasticBeanstalkWorkerTier, AWSElasticBeanstalkMulticontainerDocker → Choose Next → Enter a name for the role - aws-elasticbeanstalk-ec2-role → Choose Create role.
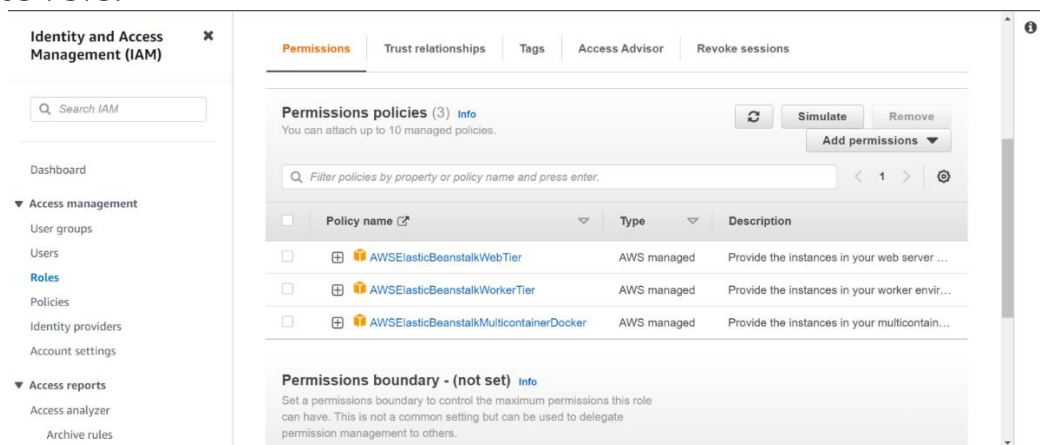
Creating Elastic beanstalk

Step1: Configure environment
Select environment tier and name the application
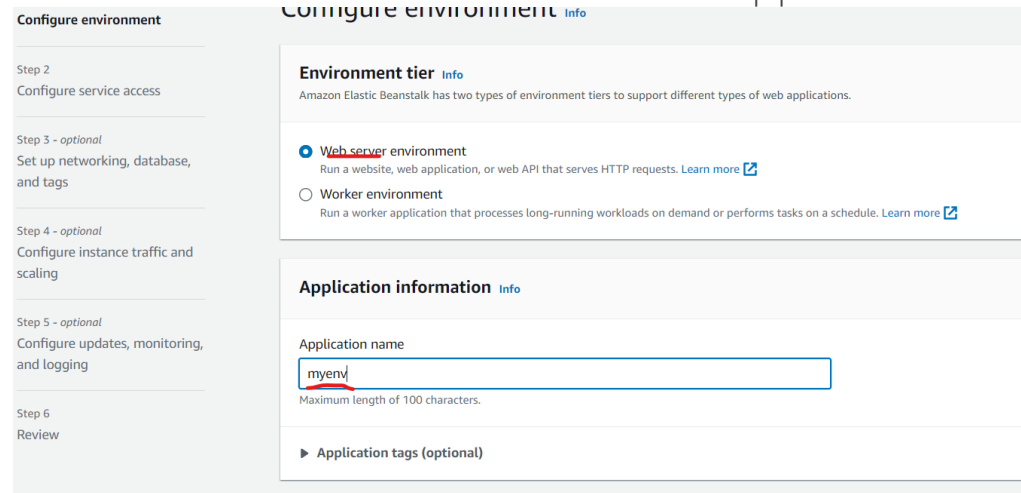
Step2:
Add the platform with version and upload the sample code
you need to run and click next

Platform type

○ Managed platform
Platforms published and maintained by Amazon Elastic Beanstalk. Learn more ⬈

○ Custom platform
Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform

| Tomcat | ▼ |

Platform branch

| Tomcat 8.5 with Corretto 8 running on 64bit Amazon Linux 2 | ▼ |

⚠ **Warning**
Deprecated platform branches aren't recommended for use in production
environments. Learn more ⬈

Platform version

| 4.5.0 (Recommended) | ▼ |

Application code Info

○ Sample application

○ Existing version
Application versions that you have uploaded.

○ Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.

Version label
Unique name for this version of your application code.

| Version label |

Source code origin. Maximum size 500 MB
○ Local file

Upload application

⬆ Choose file

✓ File name: **spring3.war**
File must be less than ▒▒▒▒ max file size

○ Public S3 URL

Presets Info
Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default
values.

Configuration presets
○ Single instance (free tier eligible)
○ Single instance (using spot instance)
○ High availability
○ High availability (using spot and on-demand instances)
○ Custom configuration

Cancel   **Next**

STEP 3:

Configure service access:

Add the created IAM roles in existing service roles and ec2 instance profile also add the key pair and click Next

If you want to Set up networking, database, instance traffic, updates, monitoring, and logging follow the below steps or else skip and create environment

4. References:

https://stackoverflow.com/questions/30790666/error-with-not-existing-instance-profile-while-trying-to-get-a-django-project-ru