

EC2 Instance Connection Issues

This blog post was written with the assistance of ChatGPT-4o.

Recently, I encountered a problem while trying to connect to an EC2 instance using EC2 Instance Connect. The error message was:

```
Failed to connect to your instance EC2 Instance Connect is unable to connect to your
instance. Ensure your instance network settings are configured correctly for EC2 In-
stance Connect. For more information, see EC2 Instance Connect Prerequisites at
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-connect-prerequisites.html.
```

Troubleshooting Steps

Check System Logs

To troubleshoot this issue, you can check the system logs by navigating to **Actions -> Troubleshooting** in the AWS Management Console. Often, connectivity issues can be attributed to insufficient memory or disk space.

Using `journalctl` to View Logs

If you're using Amazon Linux 2023, you can use the `journalctl` command to view the logs. Here's an example of what I found in the logs:

```
Jun 06 16:55:23 ip-172-31-xx-xxx.ec2.internal kernel: Out of memory: Killed process 142748
(python3) total-vm:1362008kB, anon-rss:660424kB, file-rss:0kB, shmem-rss:0kB, UID:1000 pgta-
bles:1460kB oom_score_adj:0
```

Resolving the Issue

In my case, the issue was due to the instance running out of memory. The solution was to upgrade the instance type from `t2.micro` to `t2.small`. After the upgrade, the problem was resolved, and I was able to log in and publish content successfully.

Summary

When facing connection issues with an EC2 instance, always:

1. Check the instance's system logs for any signs of resource exhaustion.
2. Consider upgrading the instance type if you're running out of memory or disk space.

This approach helped me resolve the issue efficiently. Thanks for reading, and I hope this helps you troubleshoot similar problems in the future!