failed to connect to database: Error: TLS/SSL error: Permission denied

739 Jisna Joseph May 2, 2025 Common Errors & Troubleshooting 3741

How to solve TLS/SSL error?

Overview: This article helps in resolving the error "**failed to connect to database: Error: TLS/SSL error: Permission denied**" by correcting the permissions of the directory that contains the SSL/TLS certificates and keys.

Step 1: Check for the latest messages from the **application log**. Navigate to the log directory and tail the latest log.

```
root@gateway:~# cd $(awk '/^system_folder/ {print $2}' /usr/local/etc/ezlogin/ez.conf)/application/logs/

root@gateway:/var/www/ezlogin/application/logs# tail log-2024-09-24.php

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```

Step 2: Check and correct the permission of of the directory that contains the SSL/TLS certificates and keys.

```
root@gateway:~# chmod 755 /path/to/ssl/tls/certificates/directory/

root@gateway:~# chmod 644 /path/to/ssl/tls/certificates/directory/client-cert.pem

Example:

root@gateway:~# chmod 755 /etc/certs/

root@gateway:~# chmod 644 /etc/certs/client-cert.pem
```

Step 3: If you have a cluster setup ensure that the same certificates and keys are used for both the primary and secondary nodes. Copy the certificates and keys from the primary node to the secondary node. The following certificates and keys should be copied:

```
root@gateway:~# cd /path/to/ssl/tls/certificates/directory/

Example:

root@gateway:~# cd /etc/certs

root@gateway:/etc/certs# ls

ca-key.pem client-cert.pem  server-key.pem
ca.pem     client-key.pem   server-cert.pem
```

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