> In this case, initialize a new MySQL instance and start the data loading procedure again.

The `INNODB_REDO_LOG_ENABLE` privilege is required to enable and disable redo logging.

The `Innodb_redo_log_enabled` status variable permits monitoring redo logging status.

Cloning operations and redo log archiving are not permitted while redo logging is disabled and vice versa.

An `ALTER INSTANCE [ENABLE|DISABLE] INNODB REDO_LOG` operation requires an exclusive backup metadata lock, which prevents other `ALTER INSTANCE` operations from executing concurrently. Other `ALTER INSTANCE` operations must wait for the lock to be released before executing.

The following procedure demonstrates how to disable redo logging when loading data into a new MySQL instance.

1. On the new MySQL instance, grant the `INNODB_REDO_LOG_ENABLE` privilege to the user account responsible for disabling redo logging.

```
mysql> GRANT INNODB_REDO_LOG_ENABLE ON *.* to 'data_load_admin';
```

2. As the `data_load_admin` user, disable redo logging:

```
mysql> ALTER INSTANCE DISABLE INNODB REDO_LOG;
```

3. Check the `Innodb_redo_log_enabled` status variable to ensure that redo logging is disabled.

```
mysql> SHOW GLOBAL STATUS LIKE 'Innodb_redo_log_enabled';
+-------------------------+-------+
| Variable_name           | Value |
+-------------------------+-------+
| Innodb_redo_log_enabled | OFF   |
+-------------------------+-------+
```

4. Run the data load operation.

5. As the `data_load_admin` user, enable redo logging after the data load operation finishes:

```
mysql> ALTER INSTANCE ENABLE INNODB REDO_LOG;
```

6. Check the `Innodb_redo_log_enabled` status variable to ensure that redo logging is enabled.

```
mysql> SHOW GLOBAL STATUS LIKE 'Innodb_redo_log_enabled';
+-------------------------+-------+
| Variable_name           | Value |
+-------------------------+-------+
| Innodb_redo_log_enabled | ON    |
+-------------------------+-------+
```

Related Topics

- Redo Log File Configuration
- Section 8.5.4, "Optimizing InnoDB Redo Logging"
- Redo Log Encryption

15.6.6 Undo Logs

An undo log is a collection of undo log records associated with a single read-write transaction. An undo log record contains information about how to undo the latest change by a transaction to a clustered index