example, after upgrading binaries or packages from MySQL 5.7 to MySQL 8.0, attempting to restart the server with `plugin-load-add=mysql_clone.so` causes this error: `[ERROR] [MY-013238] [Server] Error installing plugin 'clone': Cannot install during upgrade.` The workaround is to upgrade the server before attempting to start the server with `plugin-load-add=mysql_clone.so`.

Alternatively, to load the plugin at runtime, use this statement, adjusting the `.so` suffix for your platform as necessary:

```
INSTALL PLUGIN clone SONAME 'mysql_clone.so';
```

`INSTALL PLUGIN` loads the plugin, and also registers it in the `mysql.plugins` system table to cause the plugin to be loaded for each subsequent normal server startup without the need for `--plugin-load-add`.

To verify plugin installation, examine the `INFORMATION_SCHEMA.PLUGINS` table or use the `SHOW PLUGINS` statement (see Section 5.6.2, "Obtaining Server Plugin Information"). For example:

```
mysql> SELECT PLUGIN_NAME, PLUGIN_STATUS
       FROM INFORMATION_SCHEMA.PLUGINS
       WHERE PLUGIN_NAME = 'clone';
+-----------------------+---------------+
| PLUGIN_NAME           | PLUGIN_STATUS |
+-----------------------+---------------+
| clone                 | ACTIVE        |
+-----------------------+---------------+
```

If the plugin fails to initialize, check the server error log for clone or plugin-related diagnostic messages.

If the plugin has been previously registered with `INSTALL PLUGIN` or is loaded with `--plugin-load-add`, you can use the `--clone` option at server startup to control the plugin activation state. For example, to load the plugin at startup and prevent it from being removed at runtime, use these options:

```
[mysqld]
plugin-load-add=mysql_clone.so
clone=FORCE_PLUS_PERMANENT
```

If you want to prevent the server from running without the clone plugin, use `--clone` with a value of `FORCE` or `FORCE_PLUS_PERMANENT` to force server startup to fail if the plugin does not initialize successfully.

For more information about plugin activation states, see Controlling Plugin Activation State.

5.6.7.2 Cloning Data Locally

The clone plugin supports the following syntax for cloning data locally; that is, cloning data from the local MySQL data directory to another directory on the same server or node where the MySQL server instance runs:

```
CLONE LOCAL DATA DIRECTORY [=] 'clone_dir';
```

To use `CLONE` syntax, the clone plugin must be installed. For installation instructions, see Section 5.6.7.1, "Installing the Clone Plugin".

The `BACKUP_ADMIN` privilege is required to execute `CLONE LOCAL DATA DIRECTORY` statements.

```
mysql> GRANT BACKUP_ADMIN ON *.* TO 'clone_user';
```