

## 10.15.4 Manual Database Updates

Now, you'll need to make database updates for your database: either PostgreSQL or Oracle. The instructions apply to upgrading OpenClinica on Linux and Windows systems:

### PostgreSQL

1. Open the file `README_Instructions_for_Duplicate_Row_Fix.txt`, located at `c:ocinstallOpenClinica-v.x.xconfigdatabasesPostgreSQL`
2. Follow the instructions in the README file.

### Oracle

1. At the location `c:ocinstallOpenClinica-v.x.xconfigdatabasesOracleupgrade`, open the file `README_Instructions_for_Duplicate_Row_Fix.txt`, and follow the instructions in the README file.
2. As the `sysdba` user, run the `Grant_View.sql` script located in `c:ocinstallOpenClinica-v.x.xconfigdatabasesOracleupgrade`
3. The script prompts you for a user name: provide the user name for the database user OpenClinica is set up to use, as specified in the `datainfo.properties` file that you configured during installation. Run this script before starting Tomcat. There is no risk in running this script on a database that has already been upgraded to 3.1.x.

This page is not approved for publication.