

# OpenCRX Installation Guide for Oracle 9

## Version 1.6.0

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## Chapter 1. About this Book

This book describes how to setup an *openCRX* database instance for Oracle.

### Who this book is for

The intended audience are *openCRX* database administrators.

### What do you need to understand this book

This book describes the installation of *openCRX* for Oracle. The book assumes that you are familiar with Oracle installation and configuration.

## Chapter 2. Prerequisites

As a first step you must download the following software packages:

- Download **openCRX for Oracle** from [here](#) (e.g. *opencrx-1.6.1-core.oracle-8.zip* or *opencrx-1.6.1-core.oracle-8.tar.gz*). The distribution contains the *Oracle SQL* scripts required to install the *openCRX* database.
- Download **Oracle Database Server** from [here](#). You will require an OTN account.
- You can find the **Oracle JDBC driver** inside the Oracle client distribution. Alternatively, you can download it from [here](#)



**Important** Please ensure that you install the **correct JDBC driver** (i.e. matching JDK, Oracle version, etc.) and **one JDBC driver only!** Ignoring this wisdom leads to problems as the connection to the database will fail.

As a next step you must install Oracle. The Oracle documentation explains in detail how to install the database.

This document assumes that you use the **Oracle dbca tool** and the **Sql\*Plus** for database administration. The JDBC driver is required for the application server installation.

## Chapter 3. Upgrading from previous versions

If you already have *Oracle* for *openCRX* installed, upgrade the database as explained below. You can then skip the rest of this document.

The *openCRX* distributions provide an SQL script of the form *upgrade-from-<version from>-to-<version to>.sql*. E.g. If you have installed *openCRX* 1.5.0 and you want to upgrade to version 1.6.0 you have to run the script *upgrade-from-1.5.0-to-1.6.0.sql* on your database instance.

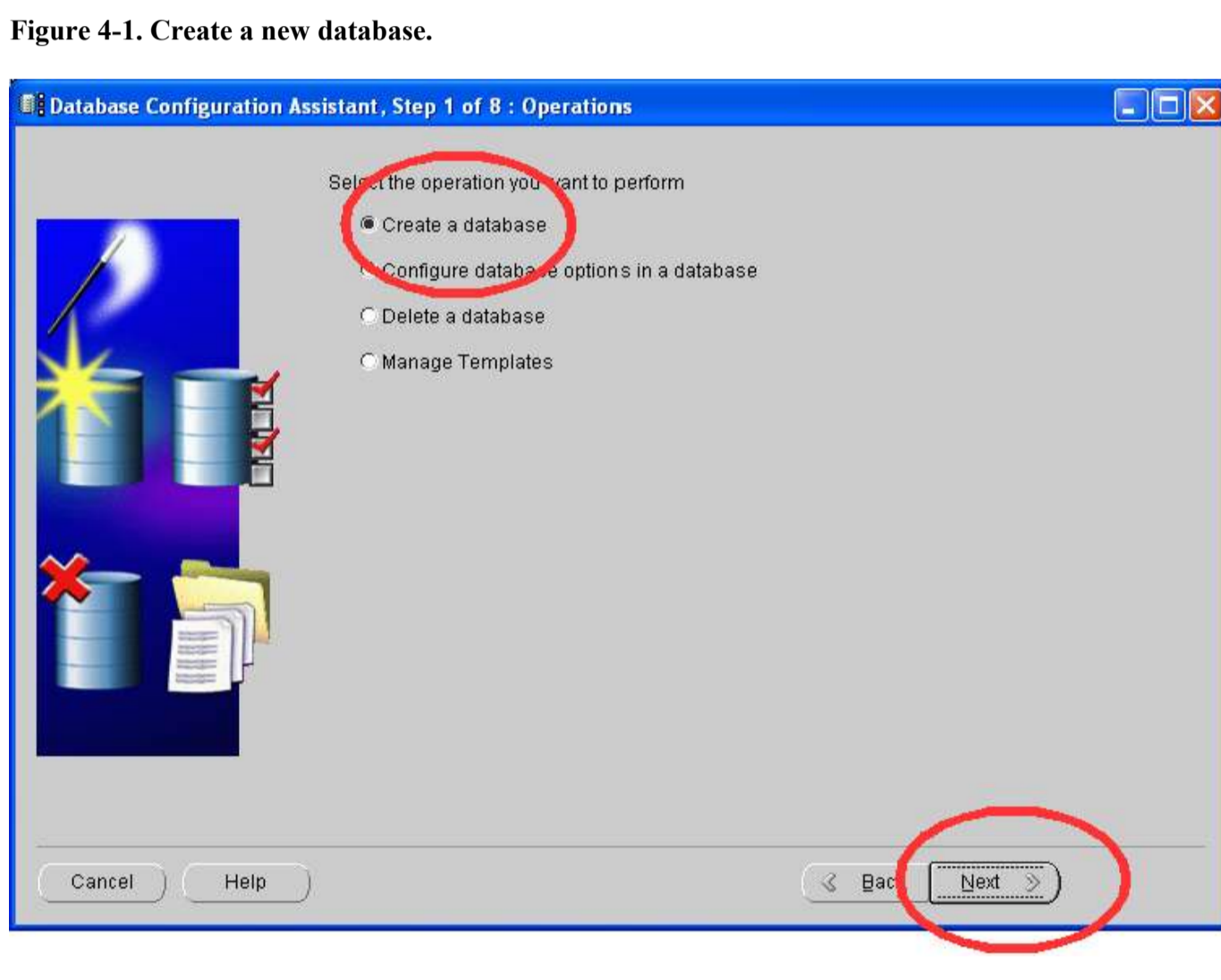
## Chapter 4. Create the database

An existing database may be utilized, or alternatively you must may create a new database.

A new database instance may be created with the *Oracle Database Configuration Assistant (dbca)*. The following snapshots are taken from a windows installation, but the procedure is identical for all supported platforms. It is assumed the base oracle installation directory (Oracle Home) is "c:/oracle".

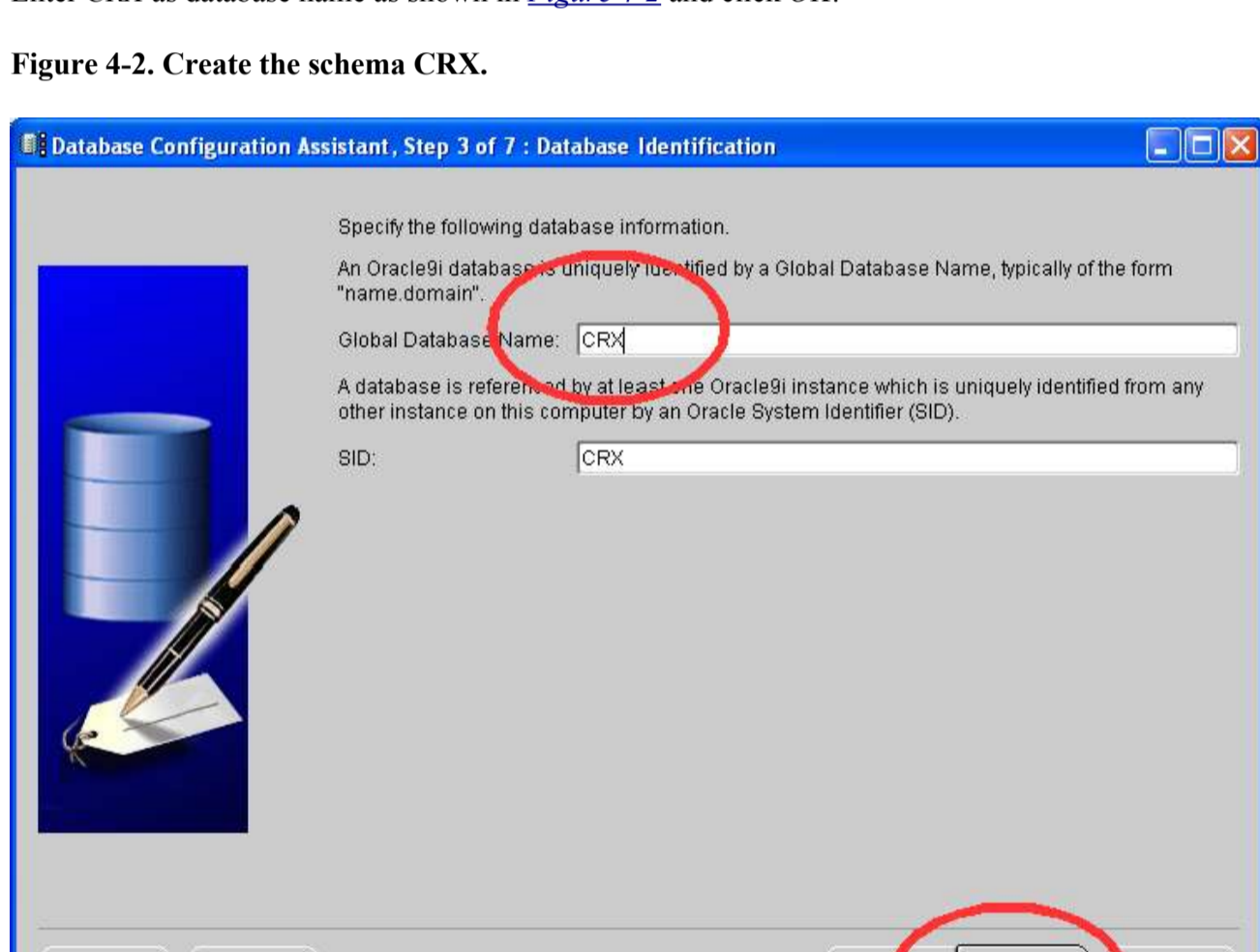
Start *dbca* as the *Oracle owner account* and Create a new "General Purpose" database as shown in [Figure 4-1](#).

Figure 4-1. Create a new database.



Enter *CRX* as database name as shown in [Figure 4-2](#) and click *OK*.

Figure 4-2. Create the schema CRX.



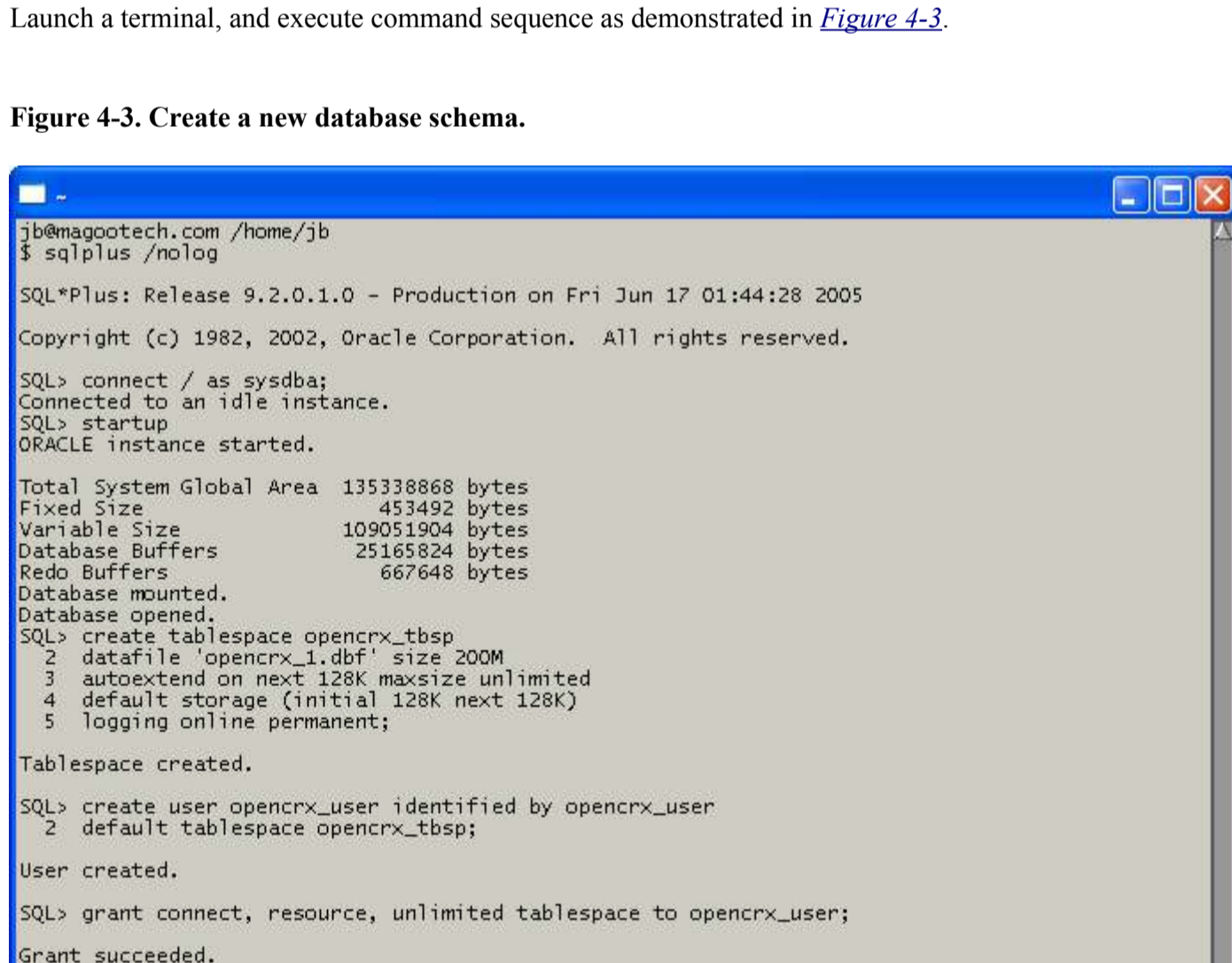
Continue through the screens, tuning the database parameters as required (the defaults will work in most simple deployments). Finally, select Create Database and select Finish in Step 7.

Next you must create a database user, tablespaces and grant this user access to the newly created database. Ensure your shell environment is setup with the following variables:

```
ORACLE_SID=CRX
ORACLE_HOME=c:/oracle
PATH=${ORACLE_HOME}/bin:${PATH}
```

Launch a terminal, and execute command sequence as demonstrated in [Figure 4-3](#).

Figure 4-3. Create a new database schema.



Of course Oracle Enterprise Manager, Toad and various other 3rd party tools will achieve the equivalent goal, but rarely with the same speed and control if you are not scared of a command line.

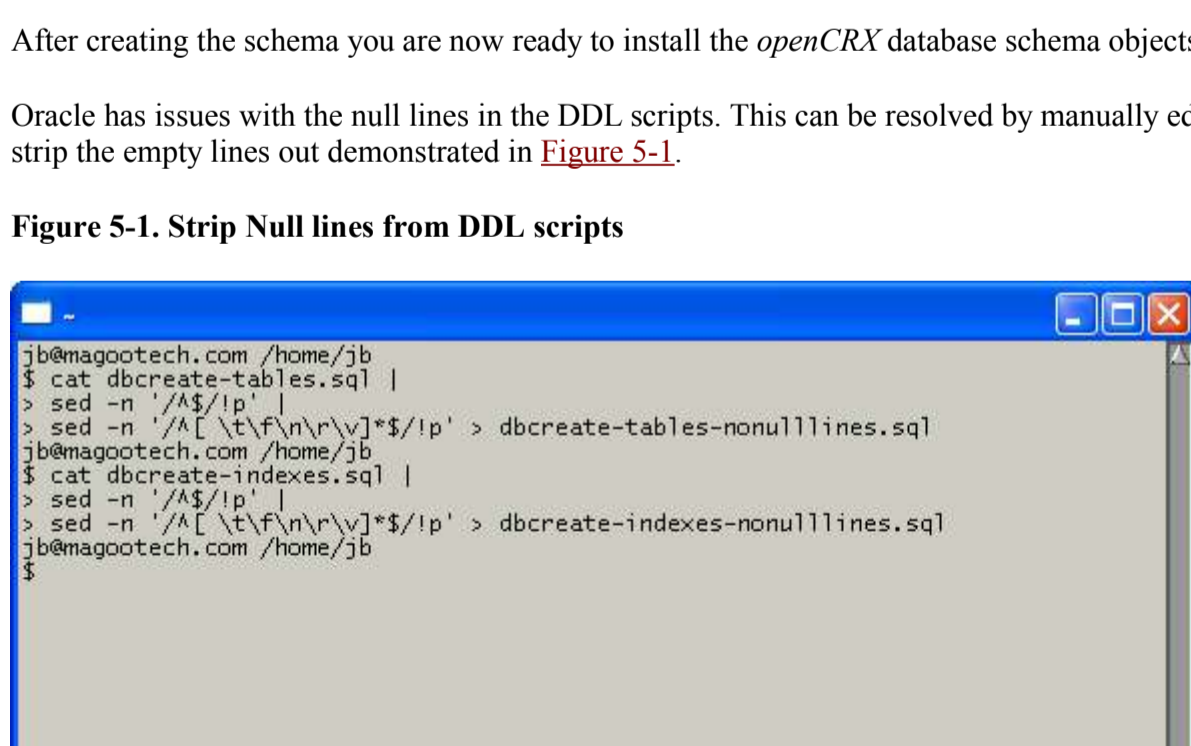
You are now done creating the database and database schema.

## Chapter 5. Install the OpenCRX Database Schema objects

After creating the schema you are now ready to install the *openCRX* database schema objects.

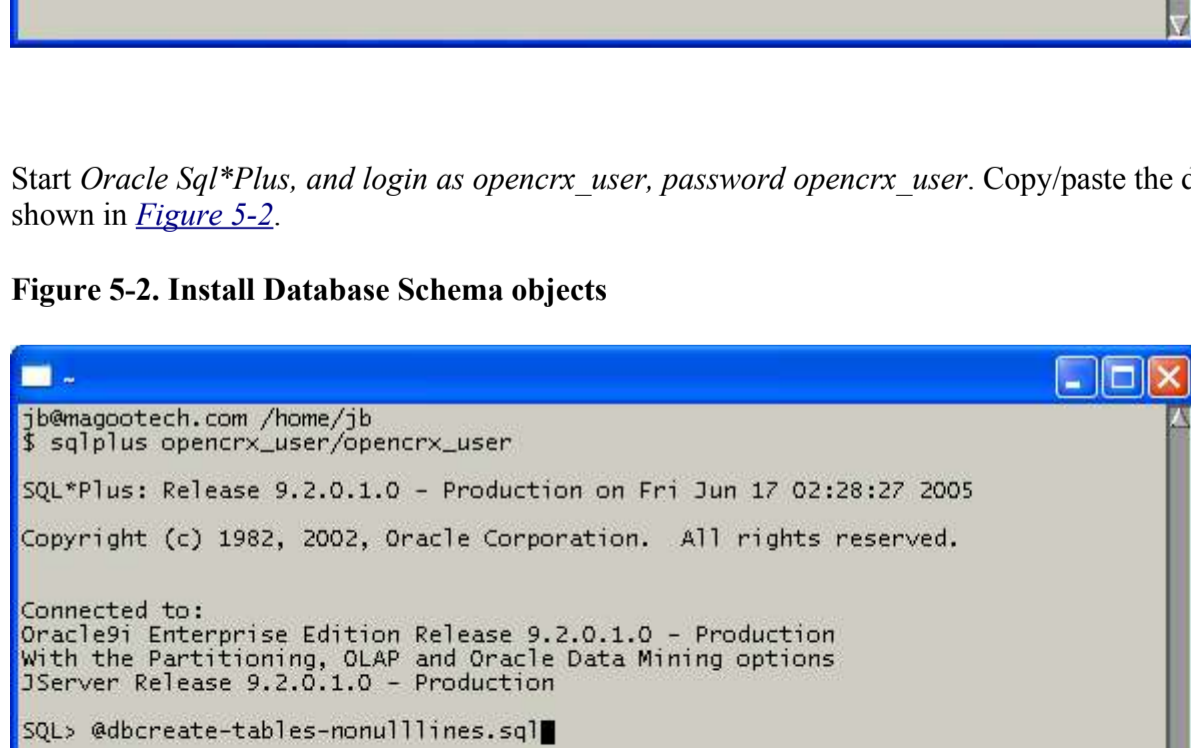
Oracle has issues with the null lines in the DDL scripts. This can be resolved by manually editing the files, or alternatively using a command to strip the empty lines out demonstrated in [Figure 5-1](#).

Figure 5-1. Strip Null lines from DDL scripts



Start *Oracle Sql\*Plus*, and login as *opencrx\_user*, password *opencrx\_user*. Copy/paste the database script *dbcreate-tables.sql* and execute it as shown in [Figure 5-2](#).

Figure 5-2. Install Database Schema objects



Similarly, exec the script *dbcreate-indexes-nonulllines.sql*.

The scripts should run without errors.

## Chapter 6. Next Steps

If you have completed successfully the database installation you are ready to use the *openCRX* database. The application server installation guides explain how to connect the application server to the *openCRX* database instance.

## Appendix A. Appendix

### Bibliography

[01] *openCRX - the leading open source CRM solution*, [opencrx.org](http://www.opencrx.org).

@ <http://www.opencrx.org>

[02] *openMDX - The leading open source MDA platform*, [openmdx.org](http://www.openmdx.org).

@ <http://www.openmdx.org>