



## Looking at JDE From the Database Layer

### Things to Consider

By Tim McMurdo, Consultant

**Editor's Note:** The JDE database often looks like a black box to those outside the CNC world. In this article, Tim McMurdo helps demystify the CNC world by answering questions he is frequently asked at client sites. He also includes many SQL queries to help you maintain the integrity of your database.

### Introduction

The JDE database is often a mystery to many. We all know there is a database behind the scenes, but how does it work? Why are there so many schemas and how do they interact with each other? Which database should we implement?

These are some of the questions that I will clarify.

### Supported Databases

Oracle EnterpriseOne (aka JDE), is very flexible and supports many types of databases on a variety of platforms. This flexibility allows businesses to have options when choosing their platform (usually aligning with their existing infrastructure and internal skillsets).

Fortunately, regardless of the database platform, the table structure between all platforms is the same. Oracle database, MS SQL database, DB2 - no problem – they will have the same schemas / owners, tables. My Oracle Support provides an excellent tool to identify the supported versions using the **Certifications** functionality.

The screenshot shows the Oracle My Oracle Support interface. The 'Certifications' tab is selected. The search results are for 'JD Edwards EnterpriseOne Database Server 9.2.2.0'. The search criteria are: Product: JD Edwards EnterpriseOne Database Server, Release: 9.2.2.0, Platform: Any. The results are grouped by Product Category and show all certifications.

Certified With	Number of Releases / Versions
<b>Operating Systems (6 Items)</b>	
HP-UX Itanium	1 Version (11.31)
IBM AIX on POWER Systems (64-bit)	2 Versions (7.2, 7.1)
IBM i on POWER Systems	2 Versions (7.3, 7.2)
Linux x86-64	4 Versions (Red Hat Enterprise Linux 7, Red Hat Enterprise Linux 6, Oracle Linux 7, Oracle Linux 6)
Microsoft Windows x64 (64-bit)	3 Versions (2016, 2012 R2, 2012)
Oracle Solaris on SPARC (64-bit)	1 Version (11)
<b>Databases (7 Items)</b>	
Data Guard	2 Releases (12.2.0.1.0, 12.1.0.2.0)
Database In-Memory Option	1 Release (12.1.0.2.0)
IBM DB2 for Linux Unix and Windows	2 Releases (10.5.0.5, 10.5.0.3)
IBM DB2 for i	2 Releases (7.3, 7.2)
Microsoft SQL Server	3 Releases (2016 SP1, 2016, 2014)
Oracle Database	2 Releases (12.2.0.1.0, 12.1.0.2.0)
Oracle Real Application Clusters	2 Releases (12.2.0.1.0, 12.1.0.2.0)

Figure 1: Oracle Certifications via My Oracle Support.

## Schemas, schemas, schemas... Why so many?

Let's fast forward a little; you have consulted with the internal business and technical folks. You have selected your database of choice. Congratulations! What's next?

The JDE database can be overwhelming when you work with it directly the first time. The table names don't mean much, data is spread all over between different schemas, oh my, how do we make sense of all this? Don't worry, there is a method to the madness, and it's quite slick and easy to understand, of course, once you learn it.

Let's start at the high level. JDE 9.2 (out of the box) has many schemas. Each schema has a primary designated purpose.

Figure 2 shows the schemas/owners for an Oracle database.

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