

## 2.1.4 Solution Stacks

### [Return to Common Definitions](#)

A [Software Stack](#) is an ordered collection of software that makes it possible to complete a particular task. Often a critical part of any stack is the [Platform](#) the rest of the stack is built around. Some common platforms are

- Application server Platform
- Web Server Platform
- Storage Platform
- Virtualization Platform

Graphically, this is represented in Figure 1 See: <sup>1)</sup>:

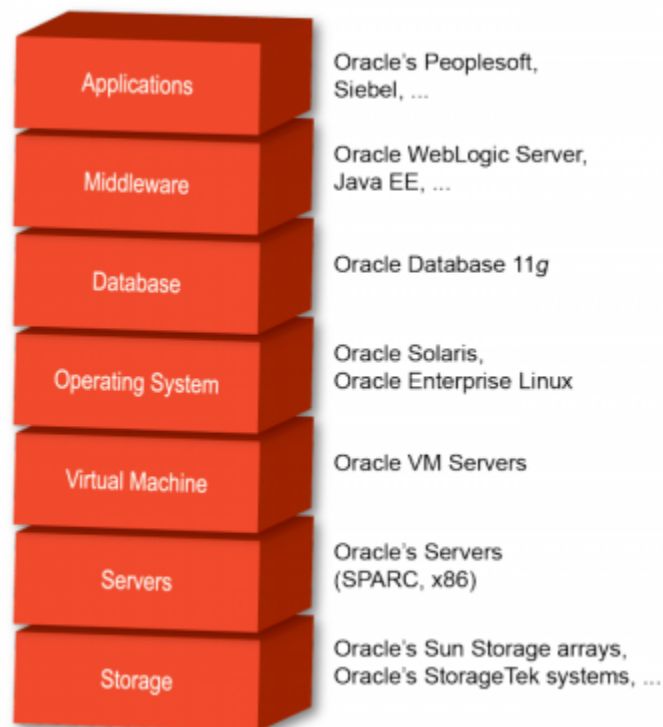


Figure 1: [Oracle's](#) hardware and software stack.

In this case we are particularly interested in building an idealized DIDO Stack with an idealized [DIDO Platform](#). The idealized stack may not be completely accurate for all DIDs, however, it provides a normative structure of what the pieces are in a DIDO Stack and in a DIDO Platform and how they are interrelated.

To accomplish this, a Database stack is presented with some idealized paths through the stack to meet certain user scenarios. Then the DIDO Stack is presented as a transform of the Database Stack.

<sup>1)</sup>

Oracle Corporation, September 2010, [Oracle Integrated Stack - Complete, Trusted Enterprise Solutions](#), Page 4, Accessed 1 May 2021,

<https://www.oracle.com/technetwork/server-storage/solaris10/documentation/integratedstacktesting-168417.pdf>

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Last update: **2021/08/13 11:58**

