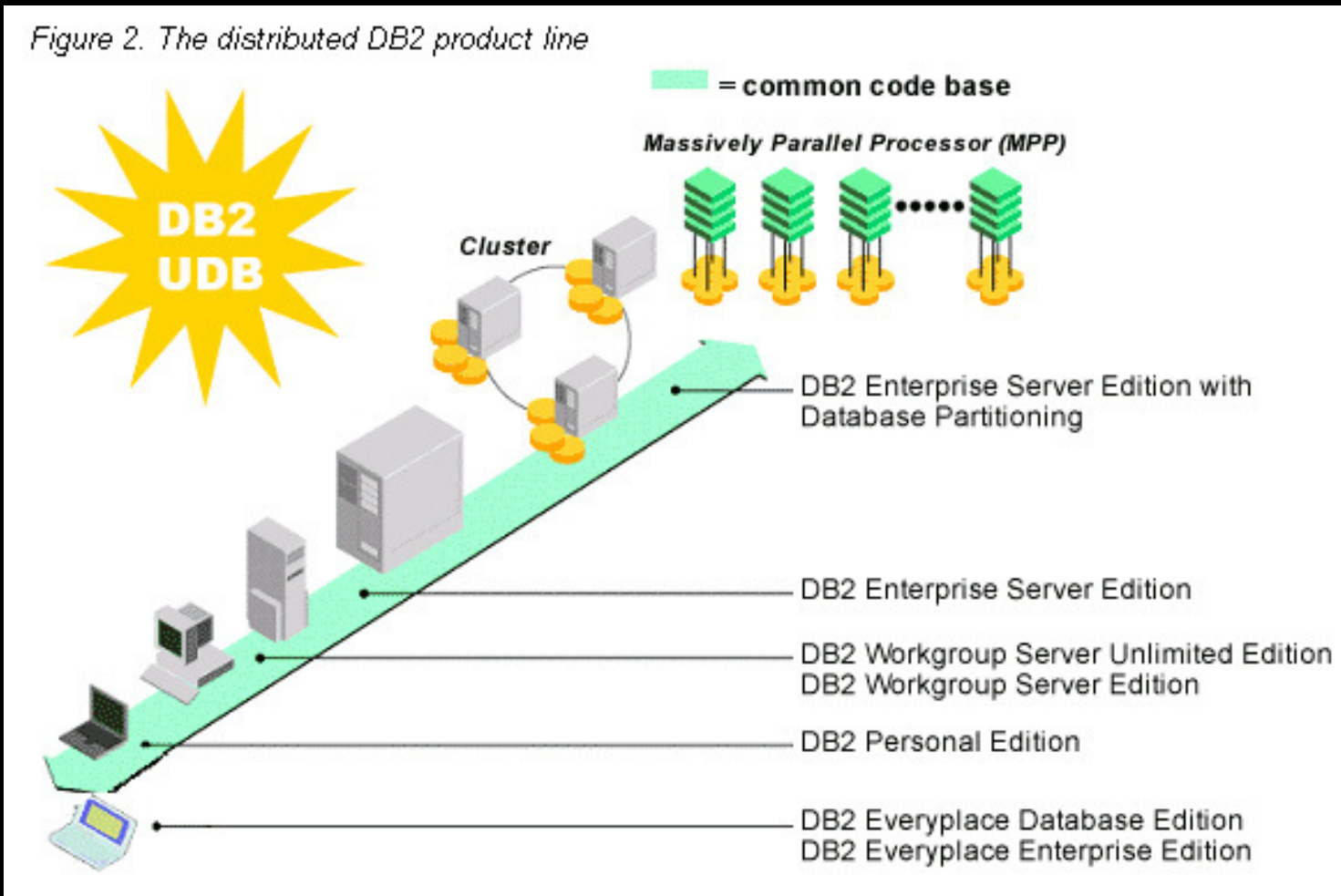


DB2 Product Line

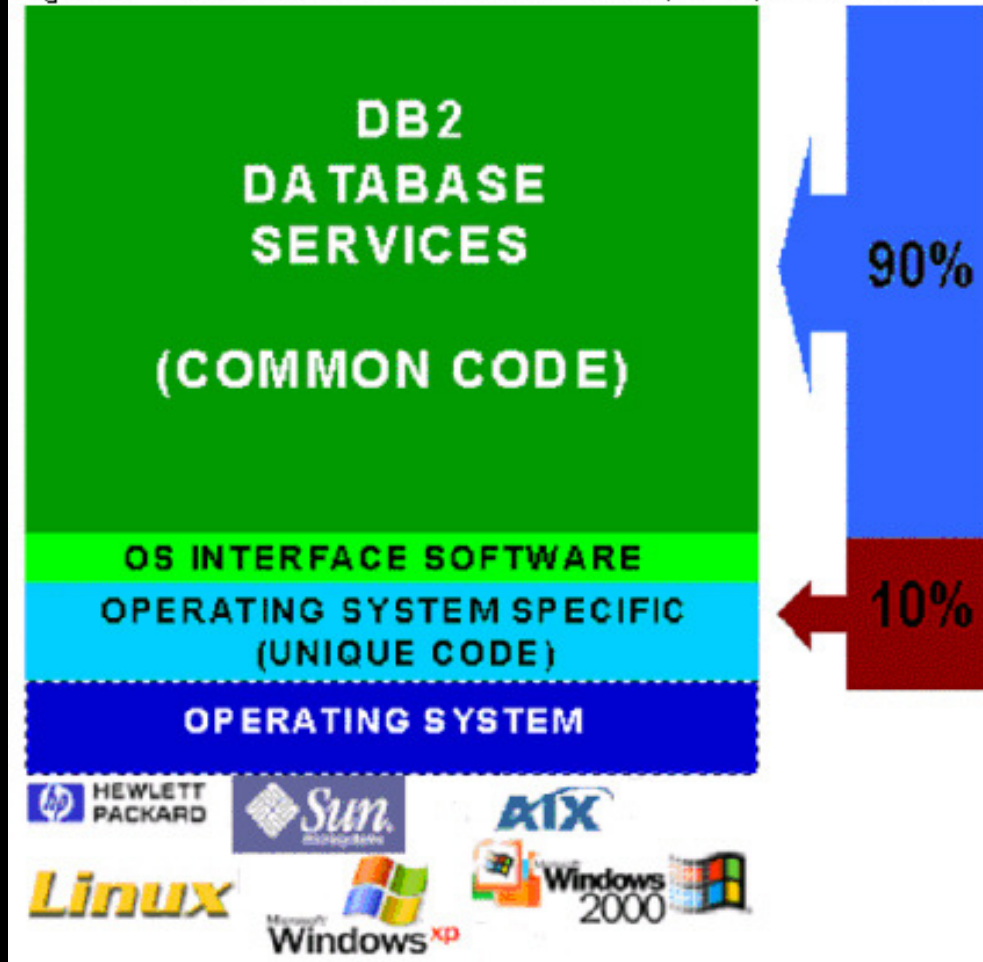


DB2 UDB for Linux, Unix and Windows (LUW)



DB2 Core Engine Structure

Figure 1. DB2 is DB2 across Windows®, Linux, and UNIX®



DB2 is DB2 is DB2 (almost)

- The only exception is DB2 Everyplace
 - ▶ Small footprint (180-200K) for small devices
 - ▶ Palm, PocketPC/WinCE, Embedded Linux, a few others
- Otherwise the core engine is the same from Personal Edition to Enterprise ESE with Partitioning
- More and more Informix influence will be incorporated into DB2
- Over time, migration to DB2 will become easier and easier (implies no need to rush if currently using IDS).



DB2 Enterprise Server Edition (ESE) w/ Partitioning

- Aimed at largest, most scalable systems
- Shared Nothing Architecture (Oracle is Shared Everything)
- 1000 node systems exist (Oracle rarely scales past 8-10)
- Appropriate where one large instance can't do the job
- Similar to Informix XPS (V8) Architecture
- Usually BI oriented, but very OLTP capable
- Same core engine as “smaller” DB2 versions – no merger necessary (i.e. IDS 8 & 9) – primary reason DB2 remains the “flagship”



DB2 Enterprise Server Edition (ESE)

- Base workhorse DBMS engine
- Appropriate for >4 CPU (Intel), 2 CPU (Unix)
- Any “bitness” (32 or 64)
- Any platform (AIX, Solaris, HP, Linux, Windows – Big 5)
- DB2 Connect to other DB2’s (zSeries & iSeries) included
- Trial copies of:
 - ▶ DB2 Recovery Expert
 - ▶ DB2 Performance Expert
 - ▶ DB2 High Performance Unload
 - ▶ DB2 Web Query Tool
 - ▶ DB2 Table Editor for Multiplatforms



DB2 Workgroup Server Edition (WSE)

- Same core DBMS engine
- Appropriate for 4 CPU or less (Intel) 2 CPU or less Unix
- 32 bit only
- Any platform (AIX, Solaris, HP, Linux, Windows – Big 5)
- 2 Flavors:
 - ▶ Unlimited (WSUE) – all the users your hardware can handle (or for uncountable users)
 - ▶ WSE – Server charge + concurrent user charge (small, countable users)



DB2 Personal Edition (PE/PDE)

- Same core DBMS engine
- Appropriate for single user environments
- Any “bitness” (32 or 64)
- Any platform (AIX, Solaris, HP, Linux, Windows – Big 5)
- 2 Flavors:
 - ▶ PE – single user, production if you like
 - ▶ PDE – Free to Partners / Developers /ISV’s – for development only



DB2 Express

- DB2 Express is aimed at the small system/installation
- Same core engine as Workgroup/Enterprise Edition
- Contractually limited to 2 Intel CPU's
- Windows or Linux only
- 32 bit only
- Simplification: (goals for all Express products)
 - ▶ Installable in 5 clicks or less
 - ▶ One CD
 - ▶ Minimal or no Administration required
- Most other SWG products have Express versions



DB2 Everyplace (DB2E)

- DB2 Everyplace is appropriate for small, low powered devices
 - ▶ Palm
 - ▶ Cell Phones
 - ▶ PocketPC PDA's
- ~180K Memory footprint (not same core engine...)
- DB2 Everyplace Enterprise Synchs DB2E with any Database with JDBC driver
- DB2E Enterprise priced by # synch server CPU's - includes unlimited DB2E clients
- Includes Mobile Application Builder – frequently no coding necessary
- Includes Admin Tool/GUI
- Encrypted Data and Data Transmission



DB2 vs. Oracle

- Lowest Total Cost of Ownership (TCO)
- Performance
 - ▶ Most Apples to Apples Comparisons DB2 wins
- Market Growth
 - ▶ Oracle consistently losing market share last 3 years – IBM gaining
 - ▶ Hard to deal with - always doing something to irritate customers
- Technology and Innovation Leadership
 - ▶ IBM produces 7x Patents, 9x Publications:
 - ▶ <http://www-3.ibm.com/software/data/highlights/db2innovation/patents.html>
 - ▶ Oracle built on ideas from IBM Research paper from 70's



DB2 vs. Microsoft SQL Server

- SQL Server runs on any platform as long as it's Windows...
- SQL Server scales as well as Windows...
- SQL Server is as stable as, well, Windows...
- SQL Server is as secure as, uh, Windows...
- Have I mentioned it only runs on Windows?
- Are you sure you still want SQL Server ?



Websites for more information

- IBM Software:
 - ▶ ibm.com/software
- IBM Data Management
 - ▶ ibm.com/software/data
- New Informix home page
 - ▶ ibm.com/informix

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