

## DB2 Version 8 Product Family

DB2 Quickstart Education

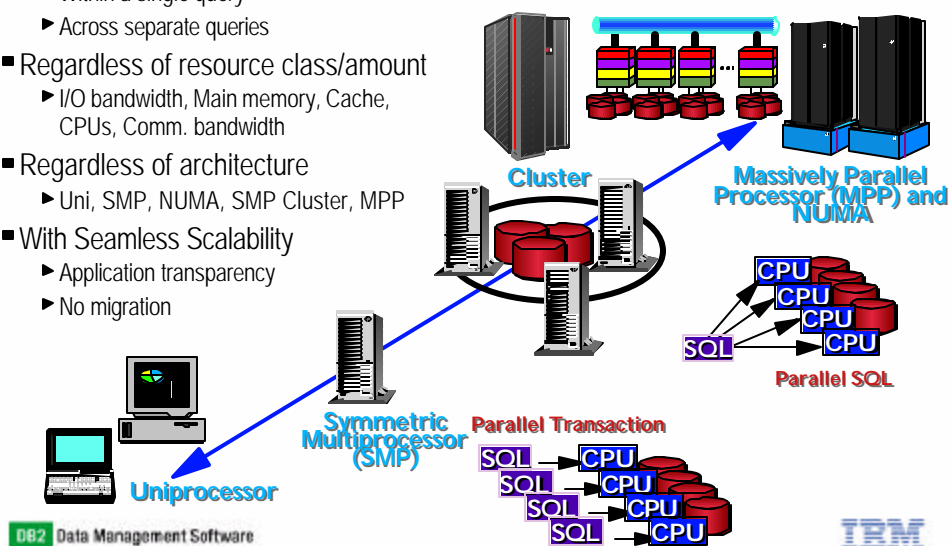
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IBM Software Group

## Theme: Fully Exploit All Resources

- Full exploitation of ALL available resources
  - Within a single query
  - Across separate queries
- Regardless of resource class/amount
  - I/O bandwidth, Main memory, Cache, CPUs, Comm. bandwidth
- Regardless of architecture
  - Uni, SMP, NUMA, SMP Cluster, MPP
- With Seamless Scalability
  - Application transparency
  - No migration



## DB2 Universal Database

- **DB2 Everyplace**
  - ▶ Small footprint for small devices (about 150 KB)
  - ▶ A synchronization server to replicate data in both directions
  - ▶ Application development tool to build handheld apps with drag-and-drop ease
- **DB2 Express (coming soon!)**
  - ▶ Database designed for SMB, embedability, ease of use
- **DB2 Personal Edition (PE)**
  - ▶ A fully functional database for workstations and client for DB2 Servers
  - ▶ Cannot act as database server for remote clients
  - ▶ Audio, Image, Spatial and Video Extenders (single user)
- **DB2 Workgroup Server Edition (WSE)**
  - ▶ Per User Licensing
  - ▶ Net Search & Spatial Extender (5 user limit)
  - ▶ For low user departmental machines using up to 4 CPUs

DB2 Data Management Software



## DB2 Universal Database

- **DB2 Workgroup Server Unlimited Edition (WSUE)**
  - ▶ Per Processor Licensing
  - ▶ Ideal for high user or web use
  - ▶ Up to 4 CPUs
  - ▶ Audio, Image, and Video Extenders
  - ▶ Net Search and Spatial Extenders are optional
- **DB2 UDB Enterprise Server Edition (ESE)**
  - ▶ Per Processor Licensing
  - ▶ Ideal for enterprise environments
    - CRM, ERP, SCM, Data Warehouses
  - ▶ Includes Host Database Connectivity (DB2 Connect)
  - ▶ Informix Integration
  - ▶ Audio, Image, and Video Extenders
  - ▶ Options Available:
    - Database Partitioning Feature (DPF) ... formerly EEE
    - Net Search Extender, Spatial Extender, Data Links Manager
    - Warehouse Manager
    - Intelligent Miner Scoring, Intelligent Miner Modeling, Intelligent Miner Visualization

DB2 Data Management Software



## DB2 Host Databases

- DB2 for iSeries

- ▶ <http://www-1.ibm.com/servers/eserver/iseries/db2/>

- DB2 for zSeries

- ▶ <http://www-3.ibm.com/software/data/db2/os390/>

- ▶ **also available:** DB2 ESE for Linux on zSeries (just like DB2 for Linux on intel)

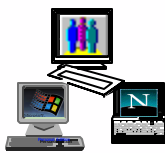
- DB2 for VSE & VM

- ▶ <http://www-3.ibm.com/software/data/db2/vse-vm/>

DB2 Data Management Software



## DB2 Family Platform Support



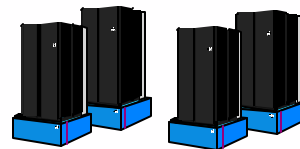
### Personal

- Windows
- Linux



### Workgroup

- AIX
- HP-UX
- Solaris
- Windows
- Linux



### Enterprise Server Edition

- AIX
- HP-UX
- Solaris
- Windows
- Linux



### Hosts

- DB2 iSeries
- DB2 zSeries
- DB2 VM/VSE



### Everyplace

- Pocket PC
- Linux
- PalmOS
- QNX Neutrino
- Symbian EPOC

DB2 Data Management Software



## DB2 64-bit Support

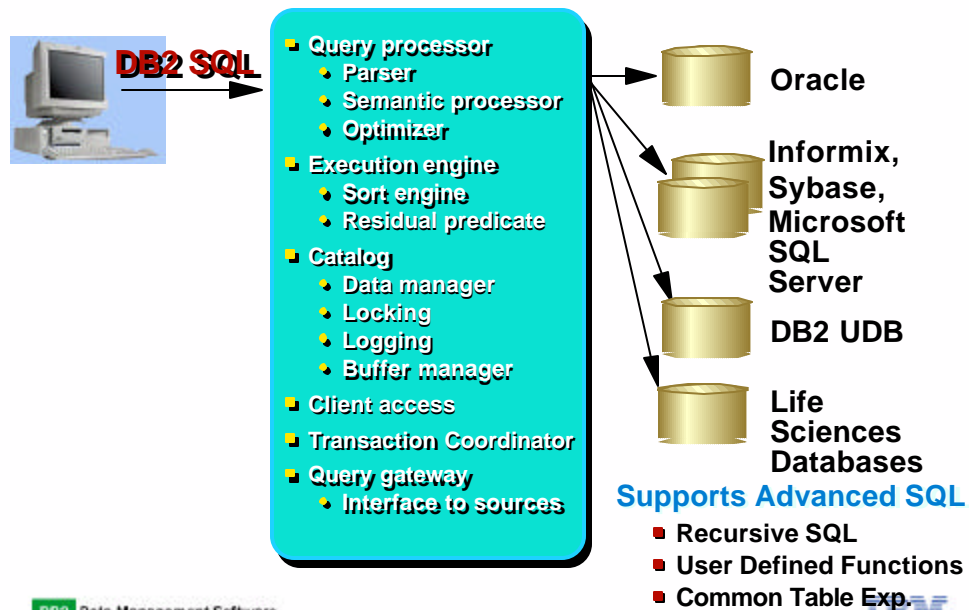
- Can mix 32-bit clients with 64-bit server and vice versa
- Exploit much larger memory for improved performance

64 Bit Product	AIX PPC	Sun	HP	AIX IA64	Linux IA64	Windows IA64
Personal Edition	N/A	N/A	N/A	N/A	no	no
Workgroup Edition	no	no	no	no	no	no
ESE (EE and EEE)	yes	yes	yes	yes	yes	yes
Connect Personal	N/A	N/A	N/A	N/A	yes	yes
Connect Enterprise	yes	yes	yes	yes	yes	yes
App. Dev. Client	yes	yes	yes	yes	yes	yes
Administration Client	yes	yes	yes	yes	yes	yes
Runtime Client	yes	yes	yes	yes	yes	yes
Relational Connect	yes	yes	yes	yes	yes	yes
Satellite Edition	no	no	no	no	no	no
Datalinks Manager	no	no	no	no	no	no
Spatial Extender	no	no	no	no	no	no
Warehouse Manager	yes	yes	yes	yes	yes	yes

## Relational Connect

- Part of IBM DB2 Information Integrator. Allows access to non-db2 databases.
- DB2 v8.1 ESE already has built-in support for:
  - ▶ DB2 for Linux, UNIX, and Windows
  - ▶ DB2 for iSeries
  - ▶ DB2 for zSeries
  - ▶ IBM Informix
- Relational Connect adds transparent access to other databases
  - ▶ Oracle
  - ▶ Sybase
  - ▶ Microsoft SQL Server
- Oracle Tables become DB2 Tables, etc...
  - ▶ Can perform JOINS & Union between diverse data sources

## DB2 Relational Connect



## DB2 Relational Connect Sources

- Sybase
  - ▶ Versions 10.0, 11.0, 11.1, 11.5, 11.9, 12.0
- Informix
  - ▶ Versions 5.1, 7.24, 7.3
- MS SQLServer
  - ▶ 6.5, 7.0, 2000
- DRDA
  - ▶ DB2 Family
- ODBC
  - ▶ 3.0+
- Oracle
  - ▶ 7.3, 8.1, 9i