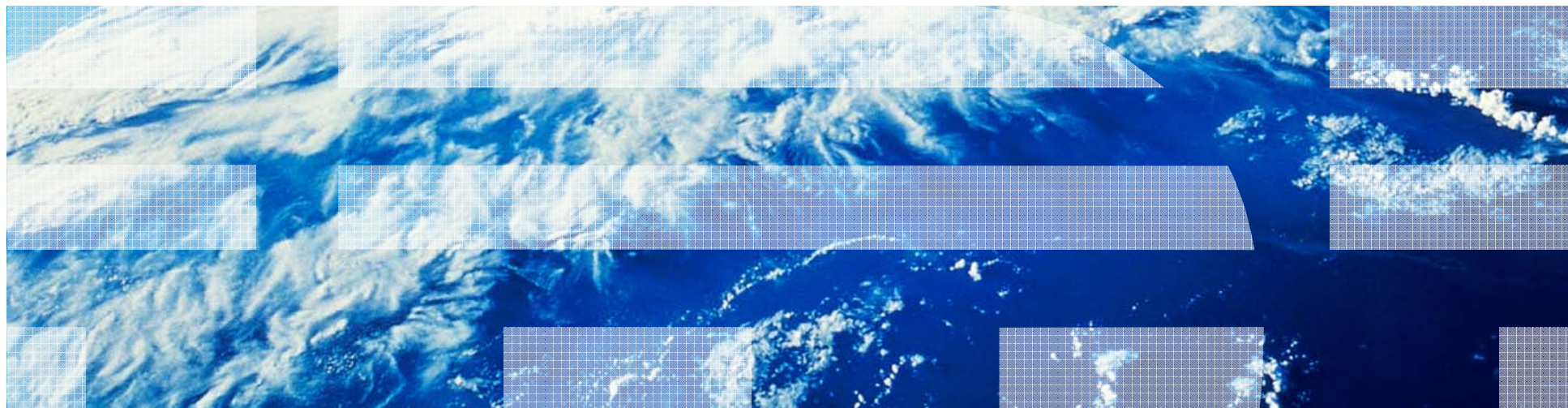


Overview of DB2 10 on Linux, UNIX and Windows



Unit objectives

After completing this unit, you should be able to:

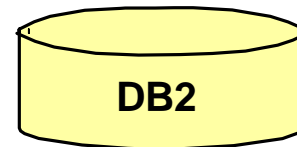
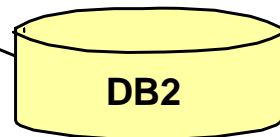
- List some of the features provided by the different editions of DB2 for Linux, UNIX and Windows
- Compare the software options for DB2 client systems
- List some of the pre-installation planning considerations for DB2 servers
- Explore DB2 installation methods

DB2 family product platforms

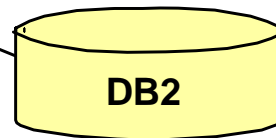


DB2 for Linux, UNIX and Windows

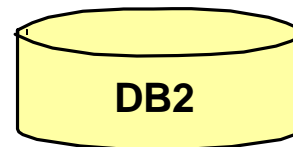
- AIX Version 6.1 & 7.1
- Linux (RHEL, SLES, Ubuntu)
- MS Windows
- Solaris 10
- HP-UX 11



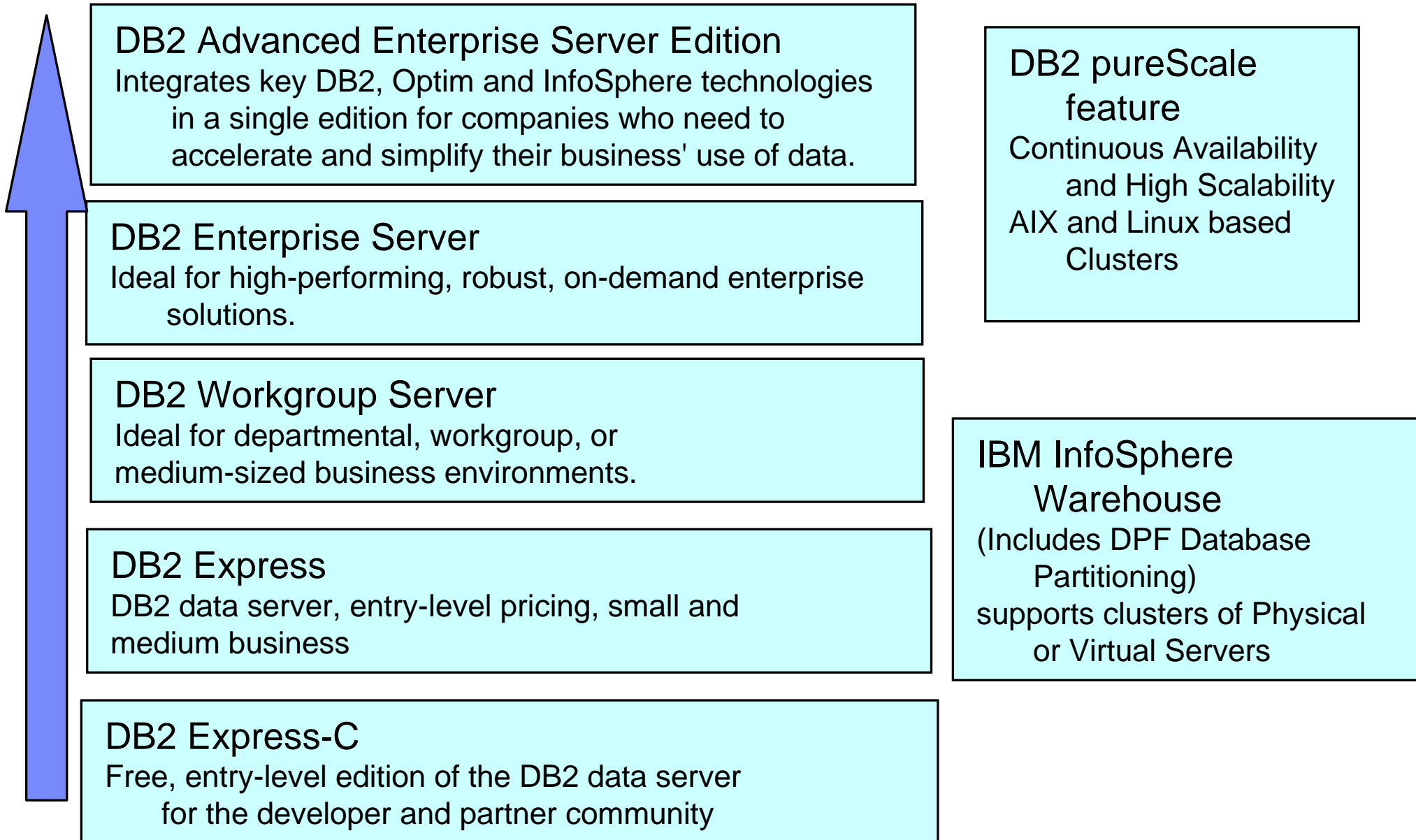
DB2 for z/OS



DB2 for i



DB2: The scalable database



Examples of features and functions by DB2 LUW Editions

	Express C	Express	Workgroup	Enterprise	Advanced Enterprise
Storage Optimization	No	No	No	Feature	Included
pureScale Cluster	No	No	Limited	Feature	Feature
High Availability Disaster Recovery	No	Yes	Yes	Yes	Yes
Multi-Temperature Storage	No	No	No	Yes	Yes
Time Travel Query Temporal Tables	Yes	Yes	Yes	Yes	Yes
Range Partitioned Tables	No	No	No	Yes	Yes
DB2 Workload Management	No	No	No	No	Yes
IBM Data Studio	Yes	Yes	Yes	Yes	Yes

DB2 server connectivity options



Database
Administration and
Application Development



Application
Users

IBM Data Server Client
Visual Tools (Data Studio)
Replication Admin Tool
CLP
All Applications

IBM Data Server
Runtime Client
Replication CMD line
CLP
All Applications

IBM Data Server
Driver Package
All Applications
DB2 CLPPlus

DB2 Servers
Linux, UNIX
Windows

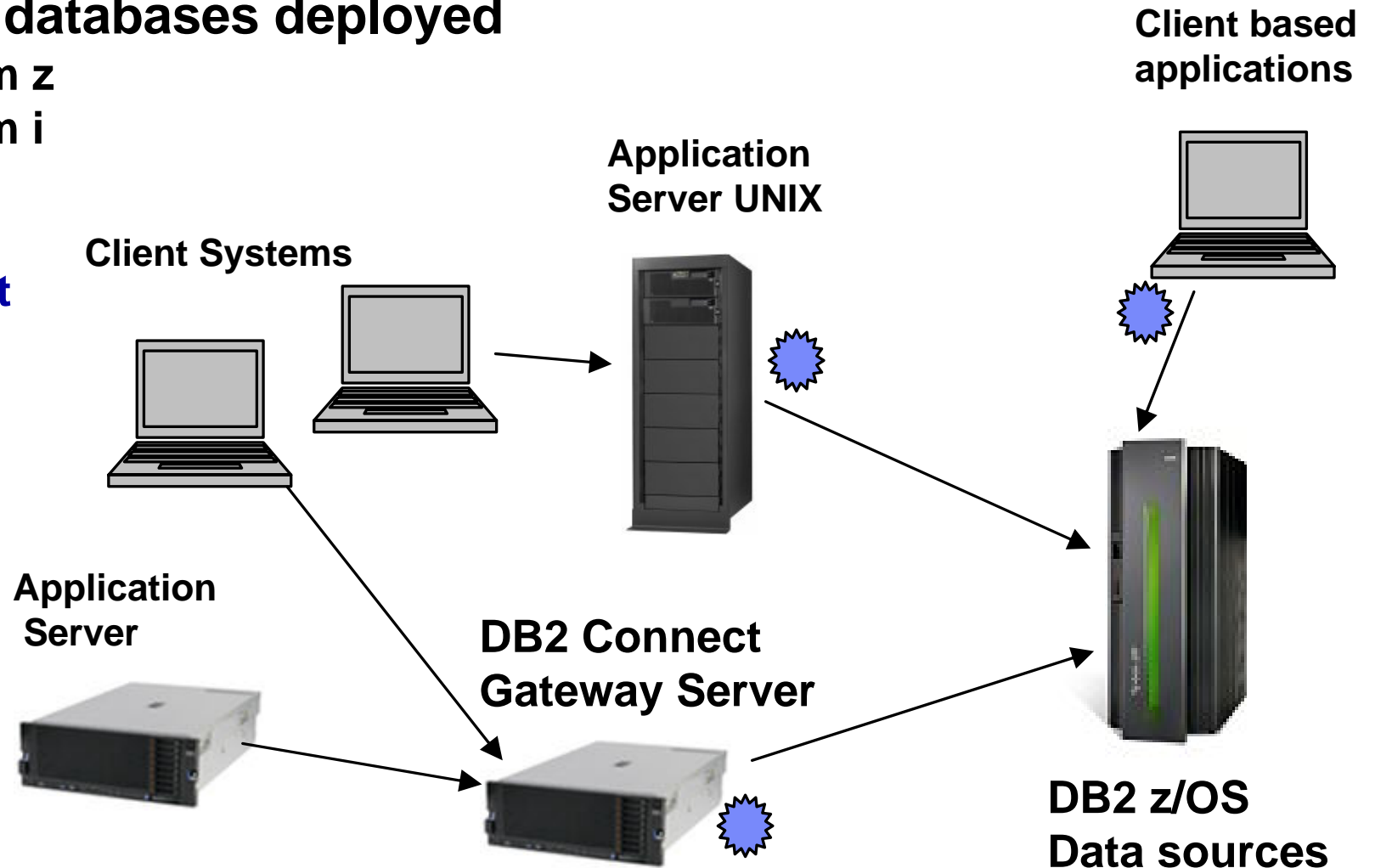


DB2 Connect V10.1

IBM DB2 Connect V10.1 provides robust connectivity to IBM DB2 databases deployed

- IBM System z
- IBM System i

DB2 connect function 

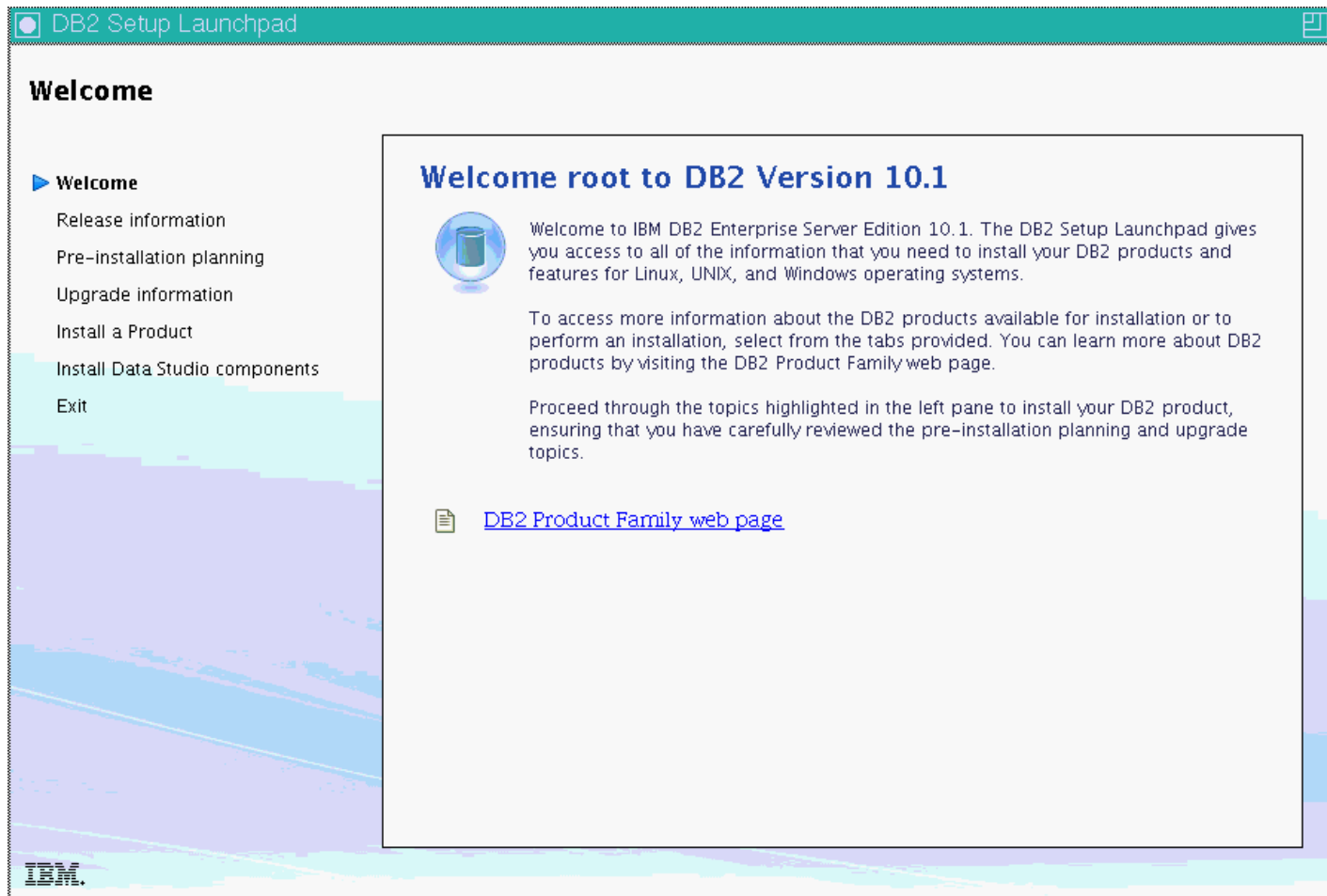


Both Direct Connections and Gateway Server Based Connections are supported

Preparing to install DB2 database servers

- You can use the `db2prereqcheck` command to check the software and firmware prerequisites of a specific DB2 version
- Installation prerequisites
 - Ensure that the system you choose meets the necessary operating system, hardware, software, communications, disk, and memory requirements
 - There are different prerequisites for AIX, HP-UX, Linux, Solaris, and Windows operating systems
- Disk and memory requirements
 - Ensure that an appropriate amount of disk space is available for your DB2 environment
 - DB2 Setup wizard provides dynamic size estimates based on the components selected during a typical, compact, or custom installation
 - On Linux and UNIX operating systems, 2 GB of free space in the `/tmp` directory is recommended
 - Memory requirements are affected by the size and complexity of your database system, database activity, and the number of clients
 - At a minimum, a DB2 database system requires 256 MB of RAM, 1 GB of RAM is recommended for improved performance.

DB2 software Installation methods



Installation Method	Windows	UNIX / Linux
DB2 Setup Wizard	Yes	Yes
Install Using Response File	Yes	Yes
db2_install command	No	Yes

Unit summary

Having completed this unit, you should be able to:

- List some of the features provided by the different editions of DB2 for Linux, UNIX and Windows
- Compare the software options for DB2 client systems
- List some of the pre-installation planning considerations for DB2 servers
- Explore DB2 installation methods

Student exercise

