

DBMS Features (1/3)

DBMS type comparison

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Type	DRDBMS	DRDBMS	DRDBMS	DRDBMS	ORDBMS (Object-Relational DBMS)
Performance Structure	Disk DBMS	Disk DBMS	Disk DBMS	Disk DBMS	Disk DBMS
Process Structure	Multi-Process + Multi-Thread	Multi-Process	Multi-Process + Multi-Thread	Multi-Thread	Multi-Process

SQL support comparison

O = Supported, X = Not supported

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Hint function	O	O	O	O	O
In-line View	O	O	O	O	O
Join	O	O	O	O	O
Outer Join	O	O	O	O	O
Hierarchical Query	O	O	O	O	O
Array Processing	O	O	O	X	O
Analytic function	O	O	O	O	O
Cost Optimizer	O	O	O	O	O
Built-In Function	O	O	O	O	O

DBMS Features (2/3)

API support comparison

O = Supported, X = Not supported

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Standard SQL	O	O	O	O	O
Non-standard SQL	O	O	O	O	O
JDBC Driver	O	O	O	O	O
ODBC Driver	O	O	O	O	O
PHP Driver	O	O	O	O	O
Embedded SQL	O (tbESQL)	O (PROC)	O (prep)	O	O
CLI Interface	O	O	O	O	O
XA API	O	O	O	O	O

Tool (Utility) comparison

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
GUI Admin Tool	tbAdmin	OEM	Data Studio or Control Center	SQL Server Management Studio	pgAdmin
Interactive SQL Utility	tbSQL	SQLPlus	CLP	SQLCMD	psql
Data Loader	tbLoader	SQL*Loader	Load	SQL Server Import and Export Wizard, SSIS	Available
Data Extraction & Loading Tool	tbExport/tbImport	Export/Import	Export/Import or db2move	SQL Server Import and Export Wizard, SSIS	Not available (supported through function)
Migration Tool	tbMigrator	Oracle Migration WorkBench	IBM Migration Toolkit	SQL Server Migration Assistant	Available
C Pre-compiler	tbpc	proc	prep	nsqprep	Available

Supported object comparison

O = Supported, X = Not supported

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Table	O	O	O	O	O
Composite Index	O	O	O	O	O
View	O	O	O	O	O
Sequence	O	O	O	O	O
Database Link	O	O	O	O	O
Synonym	O	O	O	O	O
Permission Management	O	O	O	O	O
Role	O	O	O	O	O
Procedure	O	O	O	O	O
Stored Function	O	O	O	O	O
Package	O	O	O	O	O
Trigger	O	O	O	O	O

Performance related feature comparison

O = Supported, X = Not supported

Category		Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Multi-Version Concurrency Control (MVCC)		O	O	O	O	O
Row-Level Locking		O	O	O	O	O
Preventing Table Lock through avoiding Lock Escalation		O	O	O	O	O
B-Tree Index		O	O	O	O	O
System monitoring View		O	O	O	O	O
SQL Trace function		O	O	O	O	O
Processing complex transactions		O	O	O	O	O
Partitioning	Range	O	O	O	O	O
	List	O	O	X	X	O
	Hash	O	O	X	X	X
	Composite	O	O	X	X	X

High availability feature comparison

O = Supported, X = Not supported

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Automatic Crash Recovery	O	O	O	O	O
Log Mirroring	O	O	O	O	O
Online backup	O	O	O	O	O
Shared disk based Active Cluster	O (Tibero TAC)	O (Oracle RAC)	O (Purescale) (A separate central management server is required, only works on IBM servers)	X (Data Replication available)	X (Data Replication available)
Disaster Recovery	O (Tibero TSC)	O (Oracle DataGuard)	O (HA/DR)	O (HA/DR)	O
Two-phase Commit	O	O	O	O	O

Others

O = Supported, X = Not supported

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Support various platforms	O	O	O	X (Only Windows)	O
Support both 32, 64-Bits	O	O	O	O	O

Security

O = Supported, X = Not supported

Category	Tibero 6	Oracle 12c	DB2 v10.5	MSSQL 2014	PostgreSQL 9.4
Transparent Data Encryption	O	O	O	O	O
Supports Various Encryption Algorithms (ARIA, SEED, SMS4, etc)	O	X	X	X	X
TDE Column Index Range Scan	O	X	X	X	X
Data Security Safe from Manipulation	O	X	X	X	X