

INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ



Jerez de García Salinas

07 de febrero del 2020

“Ingeniería en Sistemas Computacionales”

Materia: Administración de Bases de Datos

Sexto Semestre

T1_T2 Cuadro comparativo

Alumno: Abraham Ríos Rivera

Correo Electrónico: abrahmr0@gmail.com

Numero de control: S17070170

Docente: M.T.I Salvador Acevedo Sandoval

	MySQL	Oracle	SQL Server	PostgreSQL	SQLite
SO en los que trabaja	Windows MacOS Linux BSD UNIX AmigaOS z/OS Andorid	Windows MacOS Linux UNIX z/Os OpenVMS	Windows Linux	Windows MacOs Linux BSD UNIX AmigaOS z/OS (Bajo Linux en IBM Z) Android	Windows MacOs Linux BSD UNIX AmigaOS z/Os iOS Android
ACID	Si	Si	Si	Si	Si
Permite Integridad Referencial	Si	Si	Si	Si	Si
Permite Transacciones	Si - except for DDL	Si - except for DDL	Si	Si	si
Max DB size	Unlimited	2 PB (with standard 8k block) 8PB (with max 32k block) 8EB (with max 32k block and	524, 272 TB (32, 767 files 16 TB max file size) 16 ZB per instance	Unlimited	128 TB

		BIGFILE option)			
Max table size	MyISAM storage limits: 256 TB; Innodb storage limits: 64 TB	4 GB Block size (with BIGFILE tablespace)	524,272 TB	32 TB	Limited by file size
Max row size	64 KB	8 KB	8,060 bytes/2 TB	1.6 TB	Limited by file size
Max columns per row	4,096	1,000	1,024/30,000 (With sparse columns)	250 - 1600 depending on type	32,767
Max CHAR size	64 KB (text)	32,767 B	2 GB	1 GB	2 GB
Max NUMBER size	64 bits	126 bits	126 bits	Unlimited	64 bits
Min DATE value and Max DATE value	Min: 1000 Max: 9999	Min: -4712 Max: 9999	Min: 0001 Max: 9999	Min: -4,713 Max: 5,874,897	No DATE type
Max column name size	64	128	128	63	Unlimited

	MySQL	Oracle	SQL Server	PostgreSQL
Tipo de particionamiento				
Permite uso de Triggers				
Tipo de Datos ENTEROS	Database architect		TINYINT, SMALLINT, INT, BIGINT	
Tipo de Datos de Punto Flotante	Database architect DOUBLE (aka REAL) (64-bit)		FLOAT, REAL	
Tipo de Datos Cadena	CHAR, BINARY, VARCHAR, VARBINARY, TEXT, Database architect TEXT, MEDIUMTEXT, LONGTEXT		CHAR, VARCHAR, TEXT, NCHAR, NVARCHAR, NTEXT	
Tipo de Datos Fecha y Hora	DATETIME, DATE, TIMESTAMP, YEAR		DATE, DATETIMEOFFSET, DATETIME2, SMALLDATETIME, DATETIME, TIME	

Tipo de Datos Booleanos	BIT(1), BOOLEAN (akaDatabase architect BOOL) = synonym for TINYINT		BIT	
Otro tipo de Datos	ENUM, SET, GIS data types (GeometDatabase architectry, Point, Curve, LineString, Surface, Polygon, GeometryCollection, MultiPoint, MultiCurve, MultiLineString , MultiSurface, MultiPolygon)		CURSOR, TIMESTAMP, HIERARCHYID, UDatabase architectNIQUEIDENTIFIER, SQL_VDatabase architectARIANT, XML, TABLE, Geometry, Geography, Custom .NET datatypes	
Tipo de ÍNDICE que maneja				