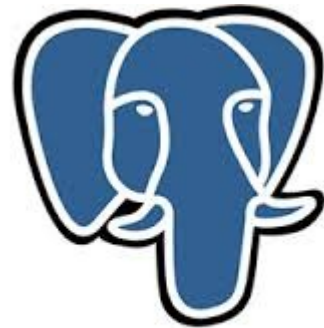


One Database To Rule 'em All



PostgreSQL

PHP Usergroup Berlin
November 2015
Stefanie Janine Stölting



SQL/MED

Defined by ISO/IEC 9075-9:200

Supported by

DB2

MariaDB

With CONNECT storage engine,
implementation differs to the standard

PostgreSQL



Implementation

Foreign Data Wrapper

Read only

Read and write

Installation as extensions



Available FDW

Examples:

Oracle (pgxn.org)

MS SQL Server / Sybase ASE
readonly (pgxn.org)

MongoDB
readonly (pgxn.org)

MariaDB / MySQL (github.com)



Data source

The example data used in the SQL part is available from [Chinook Database](#):

PostgreSQL

MySQL

SQLite



CTE

Common Table Expressions will be used in examples

- Example:

```
WITH RECURSIVE t(n) AS (  
    VALUES (1)  
    UNION ALL  
    SELECT n+1 FROM t WHERE n < 100  
)  
SELECT sum(n), min(n), max(n) FROM t;
```

- Result:

	sum bigint	min integer	max integer
1	5050	1	100



User Group / Conferences

PostgreSQL User Group Berlin

German PostgreSQL Conference 2015
Hamburg, November 26-27



Link List

PGXN Extensions:

- mysql_fdw, MySQL/MariaDB FDW
- sqlite_fdw, SQLite FDW
- jsonbx, PostgreSQL 9.5 JSONB features

Slide and source on Github:

<https://github.com/sjstoelting/talks>



Database To Rule 'em All



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