

DB-Anbindung

Beispiel mit MySQL, SQL Server...
mit mysqli, PDO ...

Gerd Gesell

Version 1.0 – 03/2015

Version 1.6 – 09/2018

Vergleich mysqli - PDO

	PDO	MySQLi
Datenbankunterstützung	12 verschiedene Treiber	MySQL
API	OOP	OOP & prozedural
Verbindungsaufbau	Leicht	Leicht
Named parameters	Ja	Nein
Object mapping	Ja	Ja
Prepared statements (client side)	Ja	Nein
Performance	Gut	Gut
Stored procedures	Ja	Ja

mysql-API: deprecated

- **mysqli seit 2005 (?)**
- **Multi-Query-Ausführung**
- **prozedural und objektorientiert**
- **Erweiterung durch PHP und C**
- **Transaktions- und Load-Balancing**
- **Debugging und Error-Handling**
- **SSL verschlüsselte Verbindungen, Datenkomprimierung via gzip u. a.**

	ext/mysqli	PDO_MySQL	ext/mysql
PHP version introduced	5.0	5.1	2.0
Included with PHP 5.x	Yes	Yes	Yes
Development status	Active	Active	Maintenance only
Lifecycle	Active	Active	Deprecated
Recommended for new projects	Yes	Yes	No
OOP Interface	Yes	Yes	No
Procedural Interface	Yes	No	Yes
API supports non-blocking, asynchronous queries with mysqlnd	Yes	No	No
Persistent Connections	Yes	Yes	Yes
API supports Charsets	Yes	Yes	Yes
API supports server-side Prepared Statements	Yes	Yes	No
API supports client-side Prepared Statements	No	Yes	No
API supports Stored Procedures	Yes	Yes	No
API supports Multiple Statements	Yes	Most	No
API supports Transactions	Yes	Yes	No
Transactions can be controlled with SQL	Yes	Yes	Yes
Supports all MySQL 5.1+ functionality	Yes	Most	No

3 Schritte von prepared statements

- prepare – prepares a statement for execution by giving it a name and defines the SQL query to perform
- execute – executes the prepared statement and passes the variables via placeholders
- de-allocate – releases a prepared statement and resources

stored procedures vs. prepared statements

- **Zweck und Vorteile meist ähnlich**
- **Stored procedures werden gespeichert - prepared statements nicht**

LINKS

- <https://blog.udemy.com/sql-stored-procedure/>
- <http://stackoverflow.com/questions/7296417/difference-between-stored-procedures-and-prepared-statements>
- <http://code.tutsplus.com/tutorials/pdo-vs-mysqli-which-should-you-use--net-24059>
- <http://dev.mysql.com/doc/apis-php/en/apis-php-mysqlinfo.api.choosing.html>
- ...

ENDE

- ENDE