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Laravel框架连接Oracle数据库

windows 系統

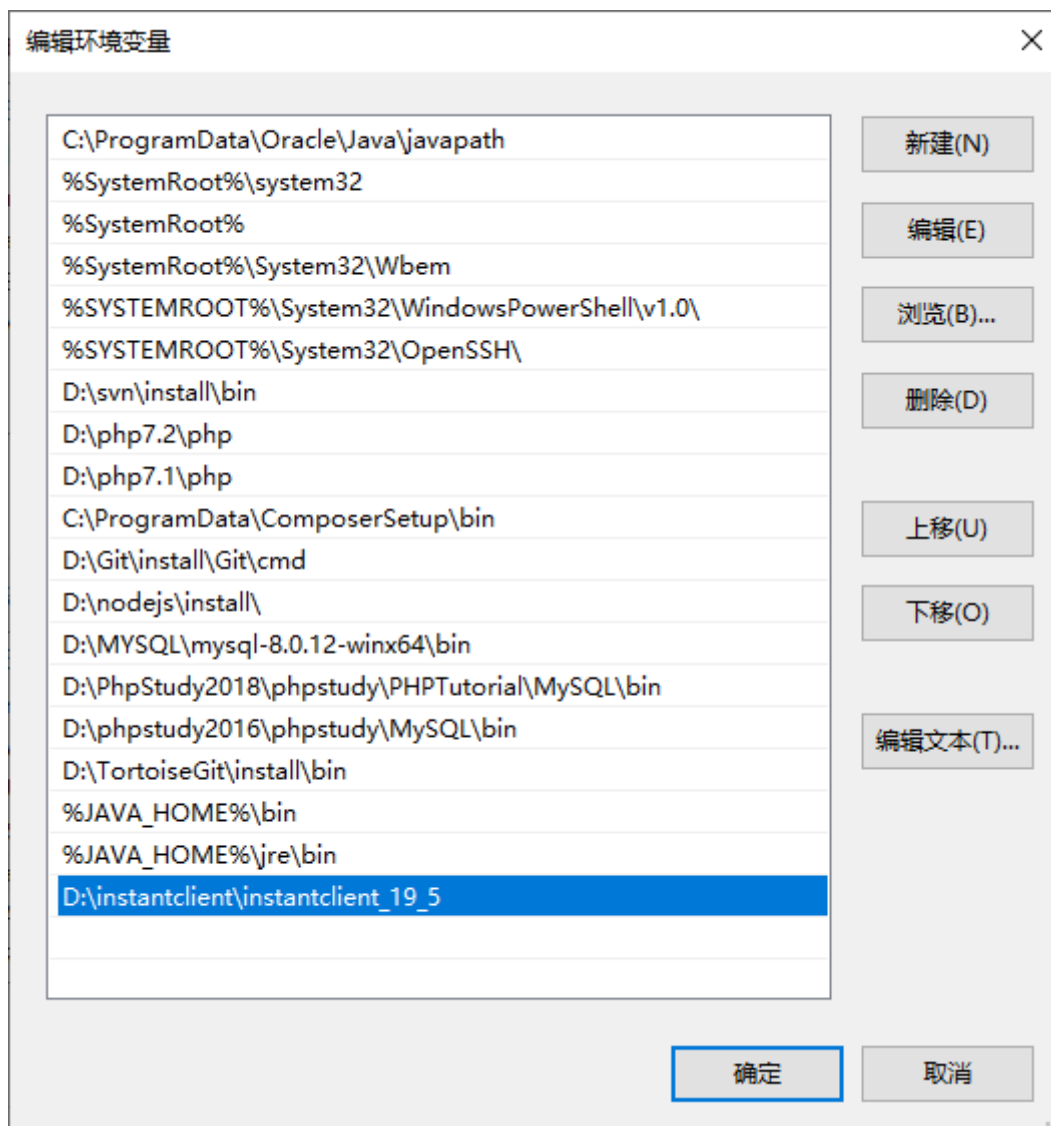
一、PHP开启oci8

1. 下载 Oracle Instant Client

下载地址:<https://www.oracle.com/technetwork/database/database-technologies/instant-client/downloads/index.html>

下载后解压到系统盘（本人解压到D盘）

设置系统环境变量并重启电脑



2.下载VC_redist.x64, 安装

3.配置php.ini

```
extension=php_oci8_12c.dll
extension=php_pdo_oci.dll
```

去掉分号, 然后重启服务 (Apache or IIS)

查看是否开启

oci8

OCI8 Support	enabled
OCI8 DTrace Support	disabled
OCI8 Version	2.0.12
Revision	\$Id: 020312b6429ebb9d6272ac9bc28f6dce529434b6 \$
Oracle Run-time Client Library Version	11.2.0.1.0
Oracle Compile-time Instant Client Version	11.2

二、composer 添加第三方的组件 yajra/laravel-oci8

1.换源

```
composer config -g repo.packagist composer https://packagist.phpcomposer.com
```

2.安装

```
composer require yajra/laravel-oci8 -vvv
```

三、使用第三方组件

1.修改在config文件夹下的database.php

修改 : 'default' => env('DB_CONNECTION', 'oracle'),
增加如下 :



```
'oracle' => [
    'driver'           => 'oracle',
    'tns'              => env('DB_TNS', ''),
    'host'             => env('DB_HOST', '10.0.101.177'),
    'port'            => env('DB_PORT', '1521'),
    'database'        => env('DB_DATABASE', 'MPPAYUAT'),
    'username'        => env('DB_USERNAME', 'payment'),
    'password'        => env('DB_PASSWORD', 'payment'),
    'charset'         => env('DB_CHARSET', 'AL32UTF8'),
    'prefix'          => env('DB_PREFIX', ''),
    'prefix_schema'   => env('DB_SCHEMA_PREFIX', ''),
],
```



2.修改ConnectionFactory.php中的createConnector函数和createConnection函数
(文件在

vendor/laravel/framework/src/illuminate/Database/Connectors/ConnectionFactory.php)

2.0. ConnectionFactory类引用以下声明

```
use Yajra\Oci8\Connectors\OracleConnector;
use Yajra\Oci8\Oci8Connection;
```

2.1.createConnector函数：

```
case 'sqlsrv':
    return new SqlServerConnector;
case 'oracle':
    return new OracleConnector;
```

2.2createConnection函数：

```
case 'sqlsrv':
    return new SqlServerConnection($connection, $database, $prefix, $config);
case 'oracle':
    return new Oci8Connection($connection, $database, $prefix, $config);
```

3. 修改config/app.php

在providers里面增加

```
Yajra\Oci8\Oci8ServiceProvider::class,
```

4. 修改 processInsertGetId 函数

(在vendor/yajra/laravel-oci8/src/Oci8/Query/processors/OracleProcessor.php)

```
$statement->bindParam($parameter, $id, PDO::PARAM_STR, 20); //PDO::PARAM_STR 主键的数据类型
```

至此已经完成了Laravel对Oracle的支持配置

四、测试

参考：

<https://blog.csdn.net/q393364227/article/details/78458690>

<https://www.meiwen.com.cn/subject/imfljqtx.html>