

# Laravel 連線 MSSQL (dblib)

version 11.\*

測試時間: 2025/04/15

環境: Ubuntu 24.04

PHP: php8.3

需要的套件(sybase): php8.3-sybase

## 連線設定

config/database.php

```
[
    'connections' => [
        'dblib' => [
            'driver' => 'dblib',
        ]
    ]
]
```

## 步驟1

vendor/laravel/framework/src/Illuminate/Database/DatabaseManager.php

```
public function supportedDrivers()
{
    return ['mysql', 'mariadb', 'pgsql', 'sqlite', 'sqlsrv'];
}
```

```
public function availableDrivers()
{
    return array_intersect(
        // $this->supportedDrivers(),
        // str_replace('dblib', 'sqlsrv', PDO::getAvailableDrivers())
        $this->supportedDrivers(),
        PDO::getAvailableDrivers()
    );
}
```

## 步驟2

vendor/laravel/framework/src/Illuminate/Database/Connectors/ConnectionFactory.php

```
public function createConnector(array $config)
{
    if (! isset($config['driver'])) {
        throw new InvalidArgumentException('A driver must be specified.');
```

  

```
    if ($this->container->bound($key =
"db.connector.{$config['driver']}")) {
        return $this->container->make($key);
    }

    return match ($config['driver']) {
        'mysql' => new MySqlConnection,
        'mariadb' => new MariaDbConnector,
        'pgsql' => new PostgresConnector,
        'sqlite' => new SQLiteConnector,
        'sqlsrv' => new SqlServerConnector,
        'dblib' => new SqlServerConnector,
        default => throw new InvalidArgumentException("Unsupported driver
[{$config['driver']}]."),
    };
}
```

```
protected function createConnection($driver, $connection, $database,
$prefix = '', array $config = [])
{
    if ($resolver = Connection::getResolver($driver)) {
        return $resolver($connection, $database, $prefix, $config);
    }

    return match ($driver) {
        'mysql' => new MySqlConnection($connection, $database, $prefix,
$config),
        'mariadb' => new MariaDbConnection($connection, $database,
$prefix, $config),
        'pgsql' => new PostgresConnection($connection, $database, $prefix,
$config),
        'sqlite' => new SQLiteConnection($connection, $database, $prefix,
$config),
        'sqlsrv' => new SqlServerConnection($connection, $database,
$prefix, $config),
        'dblib' => new SqlServerConnection($connection, $database,
$prefix, $config),
        default => throw new InvalidArgumentException("Unsupported driver
```

```
[{$driver}]."),  
    };  
}
```

### 步驟3

vendor/laravel/framework/src/Illuminate/Database/Connectors/SqlServerConnector.php

```
protected function getDsn(array $config)  
{  
    if ($this->prefersOdbc($config)) {  
        return $this->getOdbcDsn($config);  
    }  
  
    if($config['driver'] == 'dblib'){  
        return $this->getDblibDsn($config);  
    }  
  
    if (in_array('sqlsrv', $this->getAvailableDrivers())) {  
        return $this->getSqlSrvDsn($config);  
    } else {  
        return $this->getDblibDsn($config);  
    }  
}
```