
Ad Hoc Tutorials - adhoc.tuts@gmail.com

- Bismillahi-r-Rahmani-r-Rahim (In the name of Allah, the most Compassionate, the most Merciful),
- Assalamu alaikum wa rahmatullahi wa barakatuh (May the peace, mercy, and blessings of Allah be with you).

This is the ad hoc tutorial on how to enable PHP PDO for MSSQL. First, we will download and install necessary files and packages. Then we will make the needed system configurations. Finally, we will install the pdo_sqlsrv package, create the php configuration file and test the connection with PDO to MSSQL server.

<https://adhoctuts.com/setup-mssql-pdo-for-php-7-2-7-x/>
<https://youtu.be/Pw4V563bQd4>

Below content is complementary to the video tutorial above:

Download and install necessary files and packages:

```
yum install -y curl gcc-c++  
curl https://packages.microsoft.com/config/rhel/7/prod.repo >  
/etc/yum.repos.d/mssql-release.repo  
yum remove unixODBC-utf16-devel  
ACCEPT_EULA=Y yum install -y msodbcsql mssql-tools  
yum install -y unixODBC-devel
```

Make the necessary configurations:

```
echo 'export PATH="$PATH:/opt/mssql-tools/bin"' >> ~/.bash_profile  
echo 'export PATH="$PATH:/opt/mssql-tools/bin"' >> ~/.bashrc  
source ~/.bashrc  
pear config-set php_ini `php --ini | grep "Loaded Configuration" | sed -e  
"s|.*:\s*||" ` system
```

Install the php mssql pdo packages:

```
pecl install sqlsrv && pecl install pdo_sqlsrv
```

Create the php configuration file:

```
sed -i 's/extension="pdo_sqlsrv.so"/ /g' /etc/php.ini  
sed -i 's/extension="sqlsrv.so"/ /g' /etc/php.ini  
echo '' ; Enable pdo_sqlsrv extension module  
extension=pdo_sqlsrv.so
```

```
extension=sqlsrv.so  
''' > /etc/php.d/pdo_sqlsrv.ini
```

Restart the necessary services

```
service httpd restart && service php-fpm restart
```

Test the installed MSSQL PDO (*additionally, see the output of `phpinfo()`*):

```
php -r '$con=new  
PDO("sqlsrv:Server=192.168.74.129,1433;Database=test","test","test");$stmt=  
$con->prepare("SELECT @@Version as SQL_VERSION, CURRENT_TIMESTAMP as  
TIME");$stmt->execute();$stmt->setFetchMode(PDO::FETCH_ASSOC);var_dump($stm  
t->fetch());'
```