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- CentOS 5.5
- PHP 5.1.6-27 (PHP module: mssql.so)
- MS SQL Server 2008
- freetds-0.64-11.el5.centos

How to Configure Linux ODBC Connections for MS SQL (with Asterisk)?????

????-mssql.so

???????

yum groupinstall "Development Tools"
yum install php-devel freetds-devel
yum install bzip2-devel db4-devel expat-devel gmp-devel aspell-devel httpd-devel libjpeg-devel
pam-devel sqlite-devel pcre-devel libc-client-devel cyrus-sasl-devel openldap-devel postgresql-devel
net-snmp-devel libxslt-devel gd-devel

?? SRPM ??

// ?? SRPM?http://ftp.isu.edu.tw/pub/Linux/CentOS/5.5/os/SRPMS/

cd /usr/src/redhat/SRPMS
wget http://ftp.isu.edu.tw/pub/Linux/CentOS/5.5/os/SRPMS/php-5.1.6-27.el5.src.rpm
rpm -ivh php-5.1.6-27.el5.src.rpm
vi ../SPECS/php.spec

php.spec:
????? %package...%description ??

%package mssql
Group: Development/Languages
Requires: php = %{version}-%{release}, php-pdo
Summary: A module for PHP applications that use the MSSQL database.
provides: php_database
BuildRequires: freetds-devel

%description mssql
The MSSQL package contains a dynamic shared object that will add support for accessing MSSQL databases
to php.

??????? CFLAGS ???? -Wno-pointer-sign ?

Regenerate configure scripts (patches change config.m4's)
./buildconf --force

CFLAGS="$RPM_OPT_FLAGS -fno-strict-aliasing"

```
CPPFLAGS="-DLDAP_DEPRECATED=1"
export CFLAGS CPPFLAGS

# Install extension modules in %{_libdir}/php/modules.
EXTENSION_DIR=%{_libdir}/php/modules; export EXTENSION_DIR
```

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Notes: ??????????????????????

rpmbuild -bb ../SPECS/php.spec

?? mssql.so ??

```
cd ../BUILD/php-5.1.6/ext/mssql/
phpize
./configure --with-mssql
make
make install
```

?? PHP

vi /etc/php.d/mssql.ini

mssql.ini:


```
; Enable mssql extension module
extension=mssql.so
```

?? httpd ??

?? phpinfo

mssql

MSSQL Support	enabled
Active Persistent Links	0
Active Links	0
Library version	FreeTDS

Directive	Local Value	Master Value
mssql.allow_persistent	On	On
mssql.batchsize	0	0
mssql.charset	*no value*	*no value*
mssql.compatability_mode	Off	Off
mssql.connect_timeout	5	5
mssql.datetimeconvert	On	On
mssql.max_links	Unlimited	Unlimited
mssql.max_persistent	Unlimited	Unlimited
mssql.max_procs	Unlimited	Unlimited
mssql.min_error_severity	10	10
mssql.min_message_severity	10	10
mssql.secure_connection	Off	Off
mssql.textlimit	Server default	Server default
mssql.textsize	Server default	Server default
mssql.timeout	60	60

????
?? /etc/freetds.conf???

```
[MSSQL_2K8]
  host = <mssql.server.ip.address>
  port = 1433
  client charset = UTF-8
  tds version = 8.0
  text size = 20971520
```

demo.php:

```php
<?php
$msconnect = mssql_connect("MSSQL_2K8","dbuser","dbpass");
$msdb = mssql_select_db("ERP",$msconnect);
$msquery = "SELECT * from DIM_FSA01_IVS where CUST_NO='MA01'";
$msresults = mssql_query($msquery);
while ($row = mssql_fetch_array($msresults)) {
    echo "<li>" . $row['CUST_NO'] . " " . $row['PKG_TYPE'] . " " . $row['IV_TIME'] . "</li>\n";
}
?>
```

Notes:

    ? MSSQL_2K8???? freetds ??????????DB ???????
    ? ERP????? DB Name?

F.A.Q

????? Linux ?????? MSSQL Server ???????
Ans: ?????

tsql -S <mssql.server.ip.address> -U <dbuser> -P <dbpass>

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- [Installing The PHP-MSSQL Module On CentOS 5.0](#)
- [Installing MSSQL for PHP](#)
- [Building the PHP MS SQL Server extension from source on Ubuntu 8.10](#)
- [Using FreeTDS on Unix](#)
- [How to Configure Linux ODBC Connections for MS SQL](#)
- [Configuring res_odbc to Allow Asterisk to Connect Through ODBC](#)