

# CORAL

Installation and hands-on  
overview

CORAL: Quick Start

<http://bit.ly/libtech2016>

**L - Linux**

**A - Apache**

**M - MySQL/MariaDB**

**P - PHP**

Login to Linux virtual machine

Username: coral

Password: libtech

# Login to Linux virtual machine

Open Terminal window:

a) Open “Terminal” -> Applications / Terminal

**Linux - installed - thank you Macalester!**

# L - LINUX configuration

Check if SELinux is enabled

```
$ sestatus
```

Disable for this installation:

```
$ sudo gedit /etc/sysconfig/selinux
```

# A - Apache Web Server

Turn on apache:

```
$ sudo systemctl start httpd
```

Enable it to run on system boot:

```
$ sudo systemctl enable httpd
```

# M - MySQL / MariaDB

Turn on:

```
$ sudo systemctl start mariadb
```

Enable it to run on system startup:

```
$ sudo systemctl enable mariadb
```



# P - PHP - verify

1. Type this in the terminal window

```
$ cat /etc/httpd/conf.modules.d/10-php.conf
```

```
#
```

```
# PHP is an HTML-embedded scripting language which attempts to make it
```

```
# easy for developers to write dynamically generated webpages.
```

```
#
```

```
<IfModule prefork.c>
```

```
    LoadModule php5_module modules/libphp5.so
```

```
</IfModule>
```

Take a deep breath!  
Now on to the CORAL  
installation.

# CORAL installation - via helper script

```
$ wget https://bit.ly/coralsh -O  
coral.sh
```

## **CORAL Helper Script Overview:**

- 1) Checks for LAMP configuration status
- 2) Downloads CORAL
- 3) Extracts CORAL to correct location
- 4) Sets permissions on CORAL
- 5) Creates CORAL databases in MySQL

CORAL installation:

```
$ sudo ./coral.sh
```

# CORAL installation:

Now we are going to go through the web installer for each module. NOTE: the order matters

# CORAL Authentication Module:

<http://localhost/coral/auth/install/>

Continue > Continue

Username: **root**

Password: **ltc2016**

## MySQL info with permissions to create tables

Database Host

Database Schema Name

Database Username

Database Password

# CORAL Authentication Module:

User: **coral**  
Pass: **coral**

Continue

MySQL user for CORAL web application - with select, insert, update, delete privileges to CORAL schemas

\*It's recommended but not required that this user is different than the one used on the prior step

Database Username   
Database Password   
Session Timeout - in seconds

Enable LDAP   
LDAP Host   
LDAP Port   
LDAP Search Key   
LDAP Base DN   
LDAP Bind Account   
LDAP Bind Password

Continue

Cancel



# CORAL Organizations Module:

<http://localhost/coral/organizations/install/>

Continue > Continue

Username: **root**

Password: **ltc2016**

## MySQL info with permissions to create tables

Database Host

Database Schema Name

Database Username

Database Password

# CORAL Organizations Module:

User: coral

Password: coral

Login: coral

Continue

**MySQL user for CORAL web application - with select, insert, update, delete privileges to CORAL schemas**

\*It's recommended but not required that this user is different than the one used on the prior step

Database Username

Database Password

Additionally, since user privileges are driven through the web, we will need to set up the first admin account to administer other users.

Please enter either your CORAL Authentication Login ID or your externally authenticated Login ID below.

Your Login ID

# CORAL Organizations Module:

## Inter-operability and other config settings

Are you using the authentication module?



If so, enter authentication database schema name

Are you using the resources module?



If so, enter resources database schema name

Are you using the licensing module?



If so, enter licensing database schema name

Are you using the usage module?



Remote Auth Variable Name (required if not using the CORAL Authentication Module)

The following are optional for LDAP if you wish to have user's first and last name automatically populated

LDAP Host

Search Key

Base DSN

Name of First Name Field

Name of Last Name Field

Auth db:

**coral\_auth\_prod**

Resources db:

**coral\_resources\_prod**

Licensing db:

**coral\_licensing\_prod**

Continue

# CORAL Licensing Module:

<http://localhost/coral/licensing/install/>

Continue > Continue

Username: **root**

Password: **ltc2016**

## MySQL info with permissions to create tables

Database Host

Database Schema Name

Database Username

Database Password

# CORAL Licensing Module:

User: coral

**MySQL user for CORAL web application - with select, insert, update, delete privileges to CORAL schemas**

Password: coral

\*It's recommended but not required that this user is different than the one used on the prior step

Database Username

Database Password

Login: coral

Additionally, since user privileges are driven through the web, we will need to set up the first admin account to administer other users.

Please enter either your CORAL Authentication Login ID or your externally authenticated Login ID below.

Continue

Your Login ID

# CORAL Licensing Module:

Auth db:

**coral\_auth\_prod**

Organizations db:

**coral\_organizations\_prod**

Resources db:

**coral\_resources\_prod**

Continue

## Inter-operability and other config settings

Are you going to use the Terms Tool Add-On?

Are you using the authentication module?

If so, enter authentication database schema name

Are you using the organizations module?

If so, enter organizations database schema name

Are you using the resources module?

If so, enter resources database schema name

Are you using the usage module?

Remote Auth Variable Name (required if not using the CORAL Authentication Module)

Continue

# CORAL Resources Module:

<http://localhost/coral/resources/install/>

Continue > Continue

Username: **root**

Password: **ltc2016**

## MySQL info with permissions to create tables

Database Host

Database Schema Name

Database Username

Database Password

# CORAL Resources Module:

User: coral

**MySQL user for CORAL web application - with select, insert, update, delete privileges to CORAL schemas**

Password: coral

\*It's recommended but not required that this user is different than the one used on the prior step

Database Username

Database Password

Login: coral

Additionally, since user privileges are driven through the web, we will need to set up the first admin account to administer other users.

Please enter either your CORAL Authentication Login ID or your externally authenticated Login ID below.

Continue

Your Login ID



# CORAL Resources Module:

Auth db:

**coral\_auth\_prod**

Licensing db:

**coral\_licensing\_prod**

Organizations db:

**coral\_organizations\_prod**

Continue > Continue

## Inter-operability settings

Are you using the authentication module?

If so, enter authentication database schema name

Are you using the licensing module?

If so, enter the licensing database schema name

Are you using the organizations module?

If so, enter the organizations database schema name

Are you using the usage module?

Remote Auth Variable Name (required if not using the CORAL Authentication Module)



Continue

Cancel

# CORAL Usage Module:

<http://localhost/coral/usage/install/>

Continue > Continue

Username: **root**

Password: **ltc2016**

## MySQL info with permissions to create tables

Database Host

Database Schema Name

Database Username

Database Password

# CORAL Usage Module:

User: **coral**

**MySQL user for CORAL web application - with select, insert, update, delete privileges to CORAL schemas**

Password: **coral**

\*It's recommended but not required that this user is different than the one used on the prior step

Database Username

Database Password

Login: **coral**

Additionally, since user privileges are driven through the web, we will need to set up the first admin account to administer other users.

Please enter either your CORAL Authentication Login ID or your externally authenticated Login ID below.

Continue

Your Login ID

## CORAL Usage Module:

Need to apply an external script to fix the usage module after installation.

```
$ sudo bash ./fix-usage.sh
```

# Congratulations!

You've installed  
**CORAL!**

<http://localhost/coral/>

Walk-through:

<http://localhost/coral/>

Follow-up and  
questions?

# CORAL Community:

<http://coral-erm.org/>

## **Join the CORAL Discussion List**

Join the listserv used for product updates, support, and general discussion by sending an email to [listserv@listserv.nd.edu](mailto:listserv@listserv.nd.edu). Leave the subject line blank and include 'SUBSCRIBE CORAL-ERM Your Name' in the body; ex. SUBSCRIBE CORAL-ERM John Smith.