CORAL Electronic Resources Management Full Installation Guide

Install wget

sudo apt-get install wget -y

Download

wget https://github.com/coral-erm/coral/archive/v2020.09.tar.gz

Unzip the file

tar xzvf v2020.09.tar.gz

Rename the folder to html (default folder name of Apache server folder system)

Replace your machine user name with "*<<ubuntu_user_name>>*"

sudo mv -f /home/<<ubuntu_user_name>>/coral-2020.09/
/home//<<ubuntu_user_name>>/html/
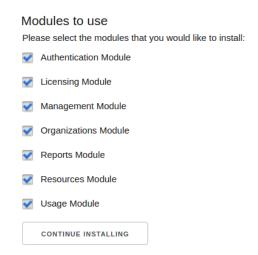
Copy the folder to the Apache server file location

sudo cp -r /home/<<ubuntu_user_name>>/html/ /var/www/html/

Open browser and run http://localhost

Coral web installer module will open now.

CORAL Installer

Modules to use

Please select the modules that you would like to install:

- ☑ Authentication Module
- ☑ Licensing Module
- ☑ Management Module
- ☑ Organizations Module
- ☑ Reports Module
- ☑ Resources Module
- ☑ Usage Module

CONTINUE INSTALLING

Select the modules you want use and Click on "**CONTINUE INSTALLING**"

CORAL Installer

Trying to Read & Write Configuration Files

In order to proceed with the installation, we must be able to write to the 'core_configuration' configuration file at 'common/configuration.ini'.
Try: chmod 777 common

In order to proceed with the installation, we must be able to write to the 'auth' configuration file at 'auth/admin/configuration.ini'.
Try: chmod 777 auth/admin

In order to proceed with the installation, we must be able to write to the 'licensing' configuration file at 'licensing/admin/configuration.ini'.
Try: chmod 777 licensing/admin

In order to proceed with the installation, we must be able to write to the 'management' configuration file at 'management/admin/configuration.ini'.
Try: chmod 777 management/admin

In order to proceed with the installation, we must be able to write to the 'reports' configuration file at 'reports/admin/configuration.ini'.
Try: chmod 777 reports/admin

In order to proceed with the installation, we must be able to write to the 'resources' configuration file at 'resources/admin/configuration.ini'.
Try: chmod 777 resources/admin

In order to proceed with the installation, we must be able to write to the 'usage' configuration file at 'usage/admin/configuration.ini'.
Try: chmod 777 usage/admin

Coral will ask for the permission of Read write execute. Then run the following commands one by one.

sudo chmod 777 /var/www/html/common

sudo chmod 777 /var/www/html/auth/admin

sudo chmod 777 /var/www/html/licensing/admin

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sudo chmod 777 /var/www/html/organizations/admin

sudo chmod 777 /var/www/html/management/admin

sudo chmod 777 /var/www/html/reports/admin

sudo chmod 777 /var/www/html/resources/admin

sudo chmod 777 /var/www/html/usage/admin

Click on "**Try Again**"

CORAL Installer

Have database access

To begin with, we need a username and password to create the databases CORAL and its modules will be using.
If you would like to use pre-existing databases or custom database names. Use the advanced section to configure these settings.

Database Username

Username

Database Password

Password

Database Host

localhost

show advanced

CONTINUE INSTALLING

CORAL Installer

Have database access

To begin with, we need a username and password to create the databases CORAL and its modules will be using.

If you would like to use pre-existing databases or custom database names. Use the advanced section to configure these settings.

Database Username

Username

Database Password

Password

Database Host

localhost

hide advanced

Auth Database

coral_auth

Licensing Database

coral_licensing

Management Database

coral_management

Organizations Database

coral_organizations

Reports Database

coral_reports

Resources Database

coral_resources

Usage Database

coral_usage

CONTINUE INSTALLING

Expanded image of previous screenshot

Enter Root Database username and Password and Click "**CONTINUE INSTALLING**"

Create a Database user and password for CORAL

sudo mysql -u root -p

CREATE USER 'coral_user'@'localhost' IDENTIFIED BY 'password';

GRANT UPDATE, UPDATE, INSERT, DELETE ON coral_auth.* TO 'coral_user'@'localhost';

Grant Privileges to Coral Database user over CORAL Databases

GRANT UPDATE, UPDATE, INSERT, DELETE ON coral_licensing. * To 'coral_user' @'localhost'; Query

GRANT UPDATE, UPDATE, INSERT, DELETE ON coral_management.* TO 'coral_user '@'localhost';

GRANT UPDATE, UPDATE, INSERT, DELETE ON coral_organizations.* TO 'coral_user'@'localhost';

GRANT UPDATE, UPDATE, INSERT, DELETE ON coral_reports.* to 'coral_user'@'localhost';

GRANT UPDATE, UPDATE, INSERT, DELETE ON coral_resources.* To 'coral_user'@'localhost';

GRANT UPDATE, UPDATE, INSERT, DELETE ON coral_usage.* To 'coral_user'@'localhost';

exit;

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Configure Default Database User

During installation and updates Coral needs more privileges to the database than during regular use. If Coral has the rights, it will automatically set up a user with appropriate privileges based on these details. Otherwise you will need to grant SELECT, INSERT, UPDATE and DELETE to this user on all the coral databases used in this install.

Regular Database Username

coral_user

Regular Database Password

p0bnOcQkYae5

CONTINUE INSTALLING

Enter a database username and password for CORAL database username and password *(which is already created)* and click on "**CONTINUE INSTALLING**".

CORAL Installer

Have default user

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 (username) or your externally authenticated Login ID below.

Admin Login ID (Username)

coral

CONTINUE INSTALLING

Create Admin username and click on "**CONTINUE INSTALLING**"

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CORAL Installer

Auth Module Installation

Session Timeout (cookie expiration for logged in users)

3600

☐ Use LDAP for authenticaion instead of Auth Module

CONTINUE INSTALLING

Unselect LDAP settings and click on "CONTINUE INSTALLING".

CORAL Installer

Auth Module Installation

You have chosen not to use LDAP. In order for the auth module to authenticate your admin user (you chose: '**coral**') you will need to provide a default password.
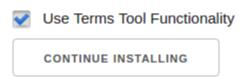
Default Admin Password

CONTINUE INSTALLING

Enter Admin Password and click on "CONTINUE INSTALLING".

CORAL Installer

Licensing Module

☑ Use Terms Tool Functionality

CONTINUE INSTALLING

Click on "**CONTINUE INSTALLING**".

CORAL Installer

Usage Module

Please set up the following options for the Usage module.

Link Resolver Base URL (optional)

Use Outlier Flagging Feature

☑ Use Outlier Flagging Feature

CONTINUE INSTALLING

Click on "**CONTINUE INSTALLING**".

CORAL Installer

Resources Module

Please set up the following options for the resources module.

Default Currency

USD ▼

Enable Alerts

☑ Enable Alerts

Catalog URL

Feedback Email Address

CONTINUE INSTALLING

Click on **"CONTINUE INSTALLING"**.

CORAL Installer

Checking Config Files Are Protected

> It is unsafe to leave your admin directories writable.
> **Try:** chmod 755 common

> It is unsafe to leave your admin directories writable.
> **Try:** chmod 755 auth/admin

> It is unsafe to leave your admin directories writable.
> **Try:** chmod 755 licensing/admin

> It is unsafe to leave your admin directories writable.
> **Try:** chmod 755 management/admin

> It is unsafe to leave your admin directories writable.
> **Try:** chmod 755 reports/admin

> It is unsafe to leave your admin directories writable.
> **Try:** chmod 755 resources/admin

> It is unsafe to leave your admin directories writable.
> **Try:** chmod 755 usage/admin

TRY AGAIN

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Update your file permissions for better security.

Run the following command to revoke the permission.

sudo chmod 755 /var/www/html/common

sudo chmod 755 /var/www/html/auth/admin

sudo chmod 755 /var/www/html/licensing/admin

sudo chmod 755 /var/www/html/organizations/admin

sudo chmod 755 /var/www/html/management/admin

sudo chmod 755 /var/www/html/reports/admin

sudo chmod 755 /var/www/html/resources/admin

sudo chmod 755 /var/www/html/usage/admin

Click on "**TRY AGAIN**"

CORAL Installer

Congratulations
Installation has been successfully completed.

Redirecting Home: (4)

✔ Meets system requirements
✔ Database Access
✔ Config File Access
✔ Authentication Module
✔ Licensing Module
✔ Management Module
✔ Organizations Module
✔ Usage Module
✔ Reports Module
✔ Resources Module

Installation is complete.

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Now Again **run http://localhost on browser.**

Thank you