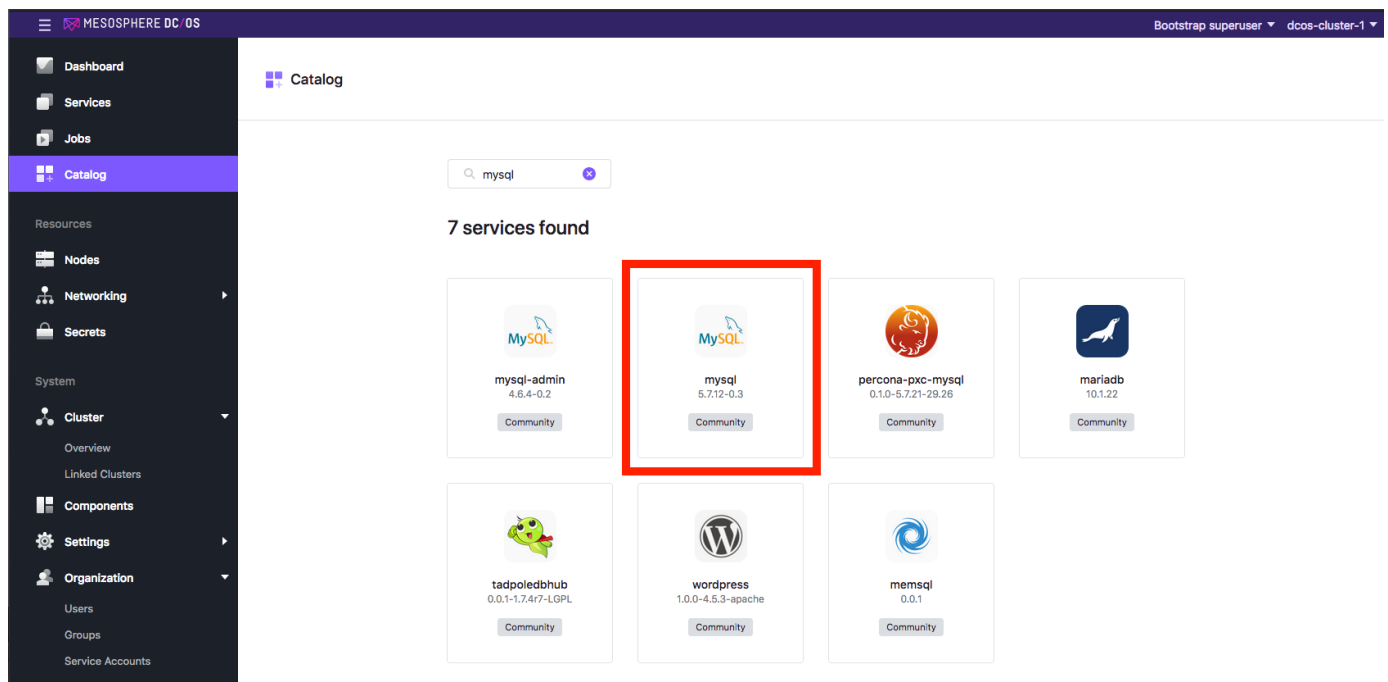


# Lab 3 - Install Packages from the DC/OS GUI

*Lab Completion Time: 15 - 30 minutes.*

## Step 1

In the Navigation menu at the left of your browser, click on Catalog. In the search bar at the top of the window, type **mysql**. In the results, click on the mysql icon in the list of results that were returned.



([\\_images/package-search-mysql.png](#))

## Step 2

On the mysql package's details page, click on the Review & Run button.

## Step 3

In the Edit Configuration window, select the option on the left labeled Database and use the following values for the different fields that are displayed:

**Edit Configuration**  
Mysql 5.7.12-0.3

**Service**

- Service
- Mysql
- Database**
- Storage
- Networking

**Database**  
MySQL database configuration properties

**name** ?  
wordpress

**username** ?  
wordpress

**password** ?  
wordpress

**root password** ?  
wordpress

([\\_images/db-config.png](#))

#### Step 4

While still in the Edit Configuration window, select the option on the left labeled **Networking** and tick the checkbox for host mode.

**Edit Configuration**  
Mysql 5.7.12-0.3

**Service**

- Service
- Mysql
- Database
- Storage
- Networking**

**Networking**  
MySQL networking configuration properties

**Port** ?  
3306

☒ **Host Mode** ?

**External Access**  
Enable access from outside the cluster through Marathon-LB. NOTE: this connection is unencrypted.

☐ **Enable** ?

**External Access Port** ?  
13306

[Cancel](#) [JSON Editor](#) [Review & Run](#)

([\\_images/host-mode.png](#))

#### Step 5

When done filling out the options click **Review & Run** at the top right of the window.

#### Step 6

Click on the link right below the Preinstall Notes labeled **Download Config**. Make sure you make a note of where that file was downloaded to on your system as we will need it for an upcoming lab.

Review Configuration

Mysql 5.7.12-0.3

**Preinstall Notes:** This DC/OS Service is currently in preview. There may be bugs, incomplete features, incorrect documentation, or other discrepancies. [Advanced Installation options notes](#) storage / persistence: create local persistent volumes for internal storage files to survive across restarts or failures. storage / persistence / external: create external persistent volumes. This allows to use an external storage system such as Amazon EBS, OpenStack Cinder, EMC Isilon, EMC ScaleIO, EMC XtremIO, EMC VMAX and Google Compute Engine persistent storage. **NOTE:** To use external volumes with DC/OS, you **MUST** enable them during CLI or Advanced installation. storage / host\_volume: if persistence is not selected, this package can use a local volume in the host for storage, like a local directory or an NFS mount. The parameter *host\_volume* controls the path in the host in which these volumes will be created, which **MUST** be the same on all nodes of the cluster. **NOTE:** If you didn't select persistence in the storage section, or provided a valid value for *host\_volume* on installation, **YOUR DATA WILL NOT BE SAVED IN ANY WAY**. networking / port: This DC/OS service can be accessed from any other application through a NAMED VIP in the format [service\\_name.marathon.14lb.thisdcos.directory:port](#) . Check status of the VIP in the *Network* tab of the DC/OS Dashboard (Enterprise DC/OS only). networking / external\_access: create an entry in Marathon-LB for accessing the service from outside of the cluster networking / external\_access\_port: port to be used in Marathon-LB for accessing the service. By running this service you agree to the [terms and conditions](#).

Configuration

[Edit Config](#)

[Download Config](#)

Service

Name mysql

([\\_images/download-config-mysql.png](#))

Step 7

After you have downloaded the config file, click on the Run Service button at the top right of the window.

Step 8

Switch to the Services page to watch MySQL get to a Running and Healthy state.

MESOSPHERE DC/OS

Bootstrap superuser dcos-cluster-1

Dashboard

Services

Jobs

Catalog

Resources

Nodes

Networking

Secrets

Services

Filter

Name	Status	Version	Region	Instances	CPU	Mem	Disk	GPU
mysql	Running		aws/us-west-2 (Local)	1	0.5	1 GiB	0 B	0

([\\_images/healthy-mysql.png](#))

Step 9

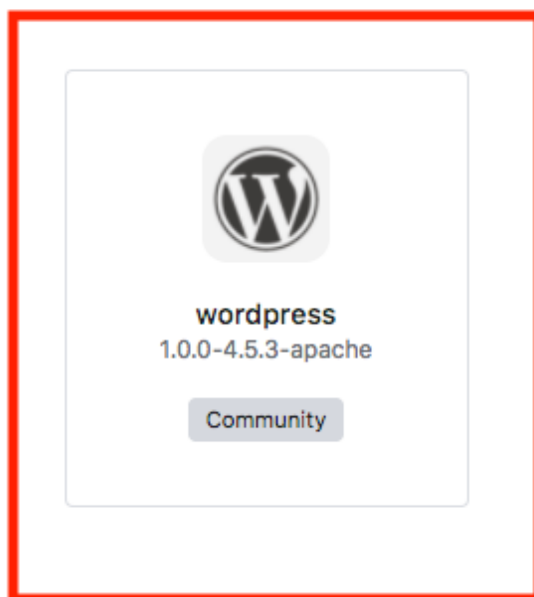
Once MySQL is running and healthy, switch back to the Catalog page and search for **wordpress**. In the results, click on the **wordpress** icon in the list of results that were returned.



Q wordpress



1 service found



(\_images/package-search-wordpress.png)

#### Step 10

From the wordpress package's details page, click on the Review & Run button.

#### Step 11

Set the following properties:

Edit Configuration  
Wordpress 1.0.0-4.5.3-apache

Service

Database

Networking

Storage

Service

Configuration properties for the Wordpress service for DC/OS.

name \* ?  
wordpress

cpus \* ?  
1

mem \* ?  
512

([\\_images/wordpress-config.png](#))

We are doing this just to make sure everything has enough resources to start. Leave everything else as the default.

### Note

All the database settings you set in MySQL correspond with the default database connection settings for the **wordpress** package.

### Step 12

Click on Review & Run at the top right of the window.

### Step 13

Before you click Run Service, click on the link right below the Preinstall Notes labeled Download Config. Make sure you make a note of where that file was downloaded to on your system as we will need it for an upcoming lab.

Review Configuration  
Wordpress 1.0.0-4.5.3-apache

**Preinstall Notes:** This DC/OS Service is currently in preview. By running this service you agree to the [terms and conditions](#).

### Configuration

[Edit Config](#)[Download Config](#)

#### Service

Name	wordpress
Cpus	1
Mem	512

([\\_images/download-config-wordpress.png](#))

### Step 14

After you have downloaded the config file, click on the **Run Service** button at the top right of the window.

### Step 15

Switch back to the **Services** page. In a few moments you should see both **mysql** and **wordpress** running.

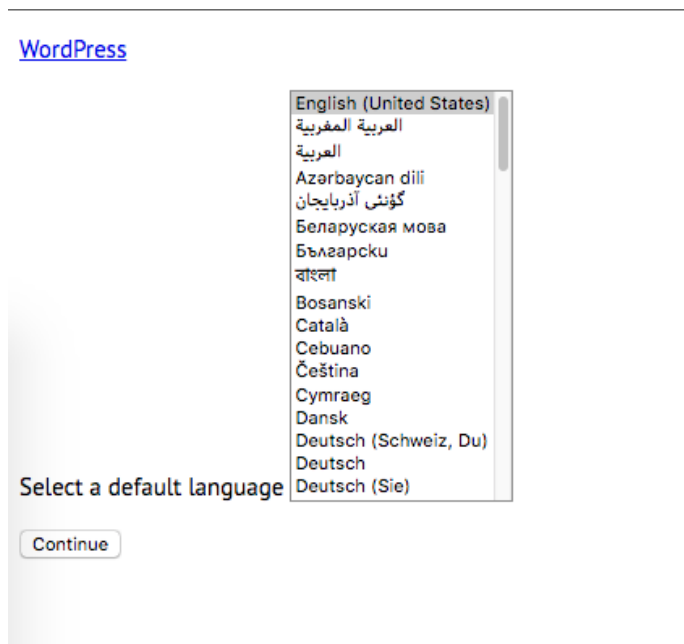
### Step 16

To access the **wordpress** UI, you can hover your mouse over the service from the services page and you should see a pop-out icon.



([\\_images/wordpress-popout.png](#))

Click on that pop-out icon and it should open up a new tab to the wordpress interface.



([\\_images/wordpress-landing.png](#))

### Note

Rather than the URL used to access Wordpress above, it is more common to expose a service to external clients through an externally facing load balancer. We will cover that topic later on in the course.

### Step 17

From the **Services** page in the DC/OS GUI, locate the **wordpress** service. Click on the three vertical dots found at the far right of the window, then select **Delete**. You will be prompted to enter the service name before deleting. This is to ensure services are not accidentally deleted.



([\\_images/wordpress-destroy.png](#))

### Step 18

Follow the same process from **Step 17** to remove **mysql** from your cluster.

