



Coding Bluemix application

Demo Objectives:

1. Create an app using Liberty Java runtime
2. Setup and use the Eclipse Bluemix tool to deploy



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Pre requisites

1. Successfully installed Eclipse IDE on your machine
2. Successfully installed Eclipse Bluemix tools
3. Created the Bluemix trial account (or have access to paid account)
4. Understand the concepts of Organization & Spaces



15

1x

15

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01:12/14:05

First PaaS Application – Hello Bluemix

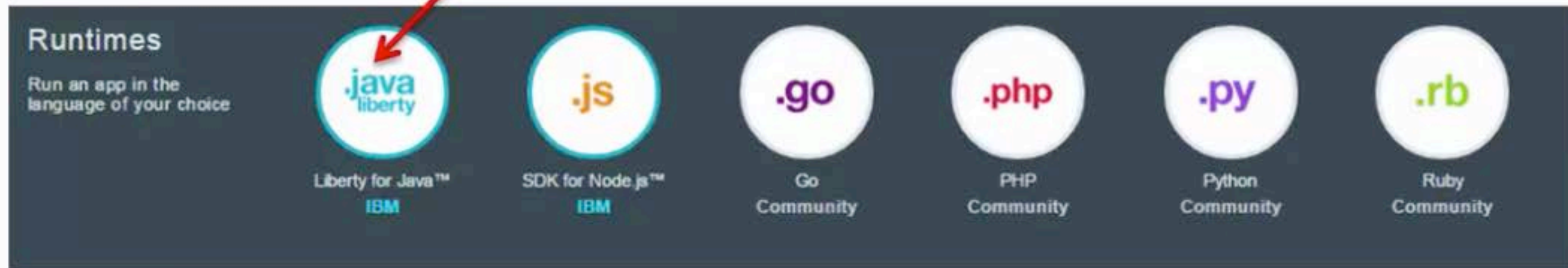
1. Select the Organization
2. Select the Runtime << *Java Liberty Profile*
3. Provide the configuration [Space, Name, Host, Domain]
4. Create the application
5. Import the generated code into Eclipse
6. Make a change to the application and redeploy to Bluemix



<https://github.com/acloudfan>



Java Liberty Profile



- Provides a complete runtime environment for running Java EE 7
- Liberty profile has a small memory footprint & quick startup





Bluemix
Course



Eclipse Jee
Mars



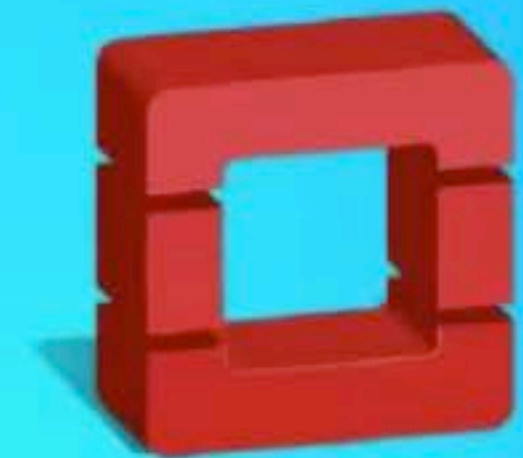
IBM Bluemix
- Next-Gen...



CLOUD
FOUNDRY



docker



openstack™
udem





enogrob-liberty

Status: ● Your app is running

View App



Deploying your app with the command line interface

Last updated: 5 October 2016 | [Edit In GitHub](#)

You can use the command line interface to deploy and modify applications and service instances.

Before you begin, install the IBM® Bluemix® and Cloud Foundry command line interfaces.

[Download Bluemix Command Line Interface](#)[Download CF Command Line Interface](#)

Restriction: The command line tools are not supported by Cygwin. Use the tools in a command line window other than the Cygwin command line window.

After the command line interfaces are installed, you can get started:

- 1 Download your starter code, and extract the package to a new directory to set up your development environment.

[DOWNLOAD STARTER CODE](#)

- 2 Change to the directory where your code is located.

```
$ cd your new directory
```



[← Dashboard](#)[Getting Started](#)[Overview](#)[Runtime](#)[Connections](#)[Logs](#)[Monitoring](#)

enogrob-liberty

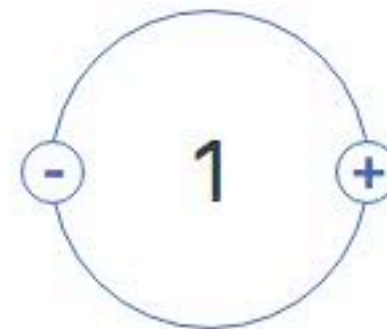
Status: ● Your app is running[View App](#)

Runtime

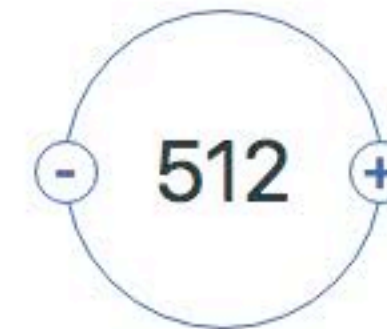


BUILDPACK

Liberty for Java™



INSTANCES

All instances are running
Health is 100%

MBS PER INSTANCE



TOTAL MB ALLOCATION

1.5 GBs still available ⓘ

Connections

No services are connected to this app
You can create or bind a service:[Connect New](#)[Connect Existing](#)

Runtime Cost

R\$0.00

Current Charges for Billing
Period

R\$0.00

Estimated Total for Billing Period
(10/01-10/31)Current and estimated cost excludes connected services.[View Full Usage Details](#)

[← Dashboard](#)[Getting Started](#)[Overview](#)[Runtime](#)[Connections](#)[Logs](#)[Monitoring](#)

enogrob-liberty

Status: ● Your app is running[View App](#)

Memory and Instances

Environment Variables

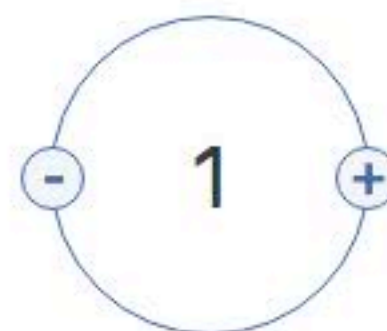
Files

Runtime



BUILDPACK

Liberty for Java™



INSTANCES

All instances are running
Health is 100%

MBS PER INSTANCE



TOTAL MB ALLOCATION

1.5 GBs still available

Actions:

[Dump](#)[Trace](#)

Instances

<input type="checkbox"/>	STATUS	INSTANCE	CPU	MEMORY	DISK	LAST STARTED
<input type="checkbox"/>	Running	0	0.6%	220.3 MB / 512 MB	187 MB / 1 GB	Oct 25, 2016 6:38:51 PM





enogrob-liberty

Status: ● Your app is running[View App](#)

Memory and Instances

Environment Variables

Files

VCAP_SERVICES

The value for VCAP_SERVICES is empty. Either there are no services associated with this application or you are not authorized to view them.

[Export](#)

User Defined

NAME

VALUE

ACTION

No items to display.

[Add](#)[Save](#)[Reset](#)[Export](#)

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Status: ● Your app is running[View App](#)[Connect Existing](#)[Connect New](#)

No Connected Services

Click [Connect Existing](#) or [Connect New](#) to add service connections to your app.





enogrob-liberty

Status: ● Your app is running[View App](#)

Availability Monitoring

Detect, isolate and diagnose application issues quickly with monitoring that fits into your team's DevOps process

100%
Availability

AVERAGE TEST AVAILABILITY

In the last 24 hrs



1
Tests

CURRENT TEST STATUS

Normal (1)



0%
Usage

USAGECurrently on [Free Plan](#)[Add New Test](#) [View All Tests](#)[See Monitoring Details](#)