APACHE SPARK ON OPENSHIFT WITH RADANALYTICS.IO

WHAT IS RADANALYTICS.IO?

An open source community working to empower intelligent application lifecycles on OpenShift

A collection of projects to enable analytics and machine learning frameworks on OpenShift

RADANALYTICS.IO QUICKSTART

To get started using the radanalytics.io projects, simply install the resource manifest into your OpenShift project

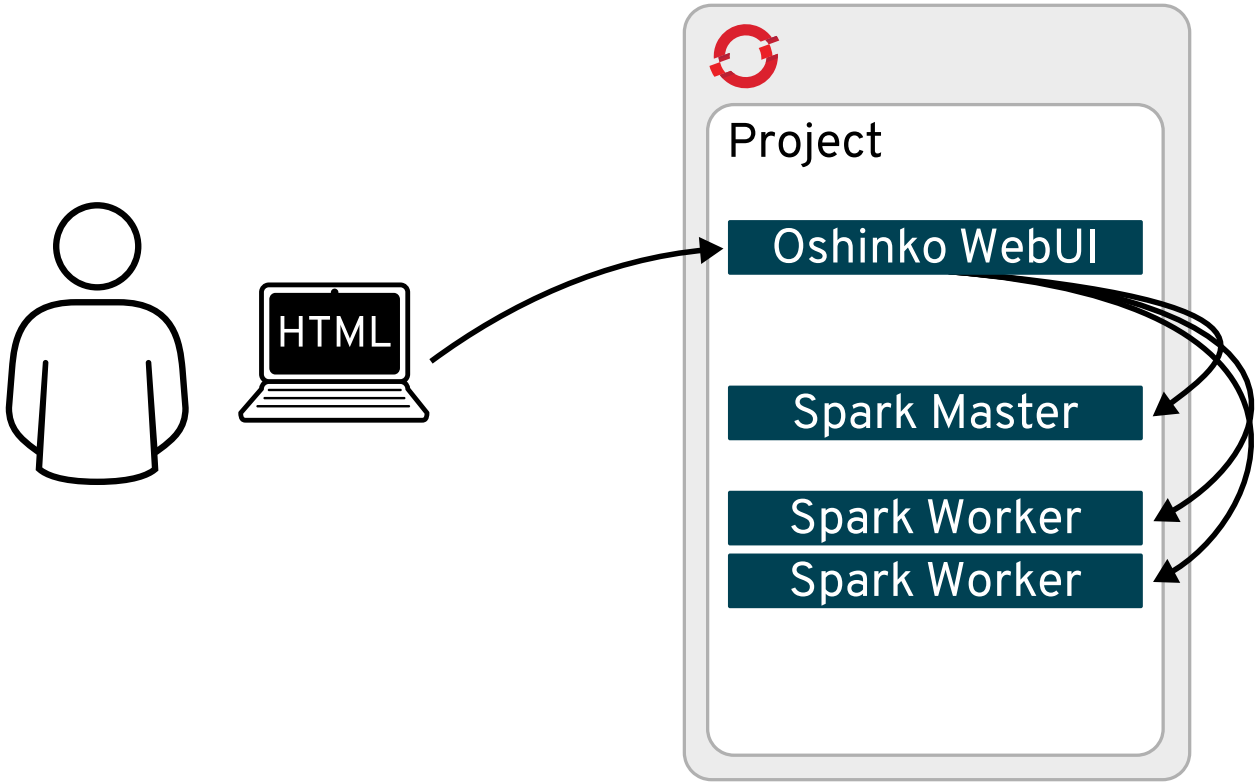
```
oc create -f https://radanalytics.io/resources.yaml
```

PROJECT OSHINKO

Deploy and manage Apache Spark clusters on OpenShift through browser and command line tooling

Utilize source-to-image based repositories to automatically deploy ephemeral Apache Spark clusters alongside your applications

OSHINKO WEBUI

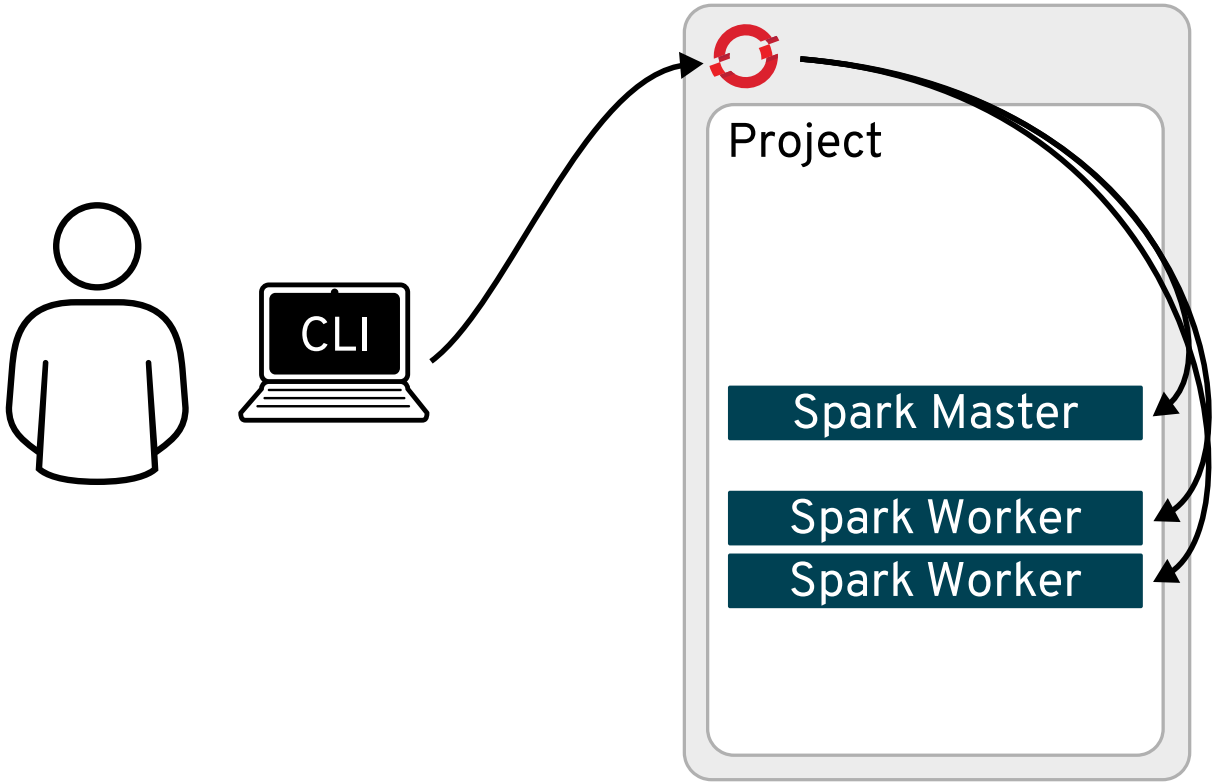


DEPLOYING OSHINKO WEBUI

The oshinko-webui application can be deployed by selecting it from the application catalog for your project, or by running the following command

```
oc new-app oshinko-webui
```

OSHINKO CLI

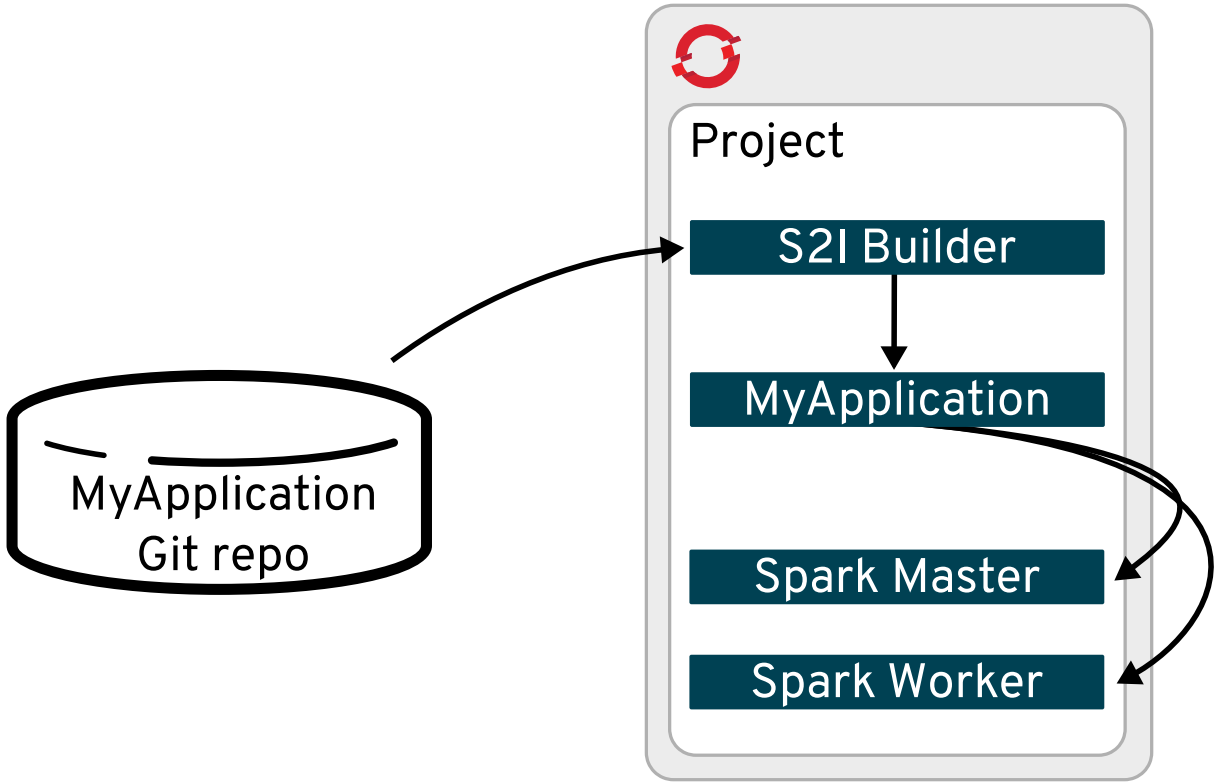


DOWNLOADING OSHINKO CLI

Static binaries for the oshinko-cli tool are available for Linux i386, Linux x86_64, and OSX compatible systems. Releases can be found at the following address

github.com/radanalyticsio/oshinko-cli/releases

OSHINKO SOURCE-TO-IMAGE



USING OSHINKO S2I

Oshinko source-to-image functionality is available through three language specific templates

Java

`oshinko-java-spark-build-dc`

Python

`oshinko-python-spark-build-dc`

Scala

`oshinko-scala-spark-build-dc`

OSHINKO S2I EXAMPLES

Java

github.com/radanalyticsio/tutorial-sparkpi-java-spring

Python

github.com/radanalyticsio/tutorial-sparkpi-python-flask

Scala

github.com/radanalyticsio/tutorial-sparkpi-scala-akka

REFERENCES

Installing and running radanalytics.io projects

radanalytics.io/get-started

Source-to-image examples

radanalytics.io/my-first-radanalytics-app

Example applications

radanalytics.io/tutorials