IBM Developer:

Deploying on IBM Cloud

IBM Cloud Made Simple

Name + Pronouns

Title/Company/Program

Where You're From/Joining From

Something You Love
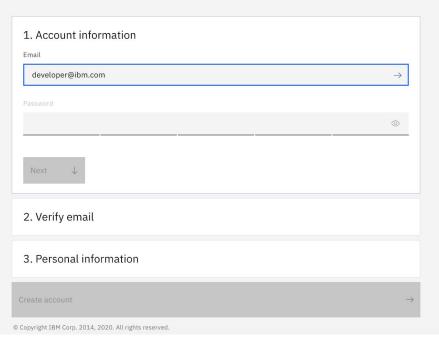
https://ibm.biz/BdfPsE

ibm cloud sign-up ☝🏽

https://ibm.biz/BdfPsE

Create an IBM Cloud Free Lite Tier Account

https://ibm.biz/BdfPsE

Upkar Lidder
Developer Advocate @ IBM

Drinks a lot Coffee
Enjoys the outdoors

@upkarlidder

-designed by @jrittens

How many different ways can you deploy on IBM Cloud?

https://ibm.biz/BdfPsE

What are you deploying?

https://ibm.biz/BdfPsE

@upkarlidder https://github.com/upkarlidder/ibmhacks

Call-for-Code / **Project-Sample** ≡ 〔 Template 〕

⊙ Watch ▾ 5 ★ Unstar 25 ⑂ Fork 156

<> Code | ⊙ Issues 1 | ⑂ Pull requests | Ⓩ ZenHub | ⊙ Actions | ⊞ Projects | 📖 Wiki | ⊙ Security | 📈 Insights | ⚙ Settings

ᛦ main ▾ | ᛦ 1 branch | ⬡ 0 tags

Go to file | Add file ▾ | ⬇ Code ▾ | **Use this template**

krook Merge pull request #32 from Call-for-Code/cfDeployment ... ✓ 1f84aaa 5 days ago ⏱ **94** commits

📁 .github	corrected the branch name	13 days ago
📁 docs	updated sample project website link	11 days ago
📁 images	instructions to deploy app on cloud foundry	5 days ago
📁 sample-react-app	update doc	5 days ago
📁 sample-static-web	clean up	13 days ago
📄 .gitignore	Added more verbosity to the template	14 months ago
📄 LICENSE	Update for 2019.	2 years ago
📄 README.md	updated sample project website link	11 days ago

☰ **README.md** ✎

About ⚙

A basic GitHub repository example for new 2021 Call for Code Global Challenge project submissions and those that join the Call for Code with The Linux Foundation initiative.

🔗 developer.ibm.com/callforcode/get-...

template submission call-for-code
call-for-code-2021

📖 Readme

⚖ Apache-2.0 License

Contributors 5

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https://github.com/Call-for-Code/project-sample

Increasing focus on business logic (vertical axis)

Bare Metal

Virtual machines
VM · VM · VM

Containers

Apps/PaaS

Fn/Serverless

Break-up the monolith
- Targeted scaling
- Better resource utilization
- Reduced costs

Abstraction of infrastructure
- Devs focus on code not infra
- Faster time to market = $

Decreasing concern (and control)
over infrastructure implementation

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IBM Cloud Foundry

https://ibm.biz/BdfPsE

1. Cloud Foundry is an open source, platform-as-a-service (PaaS) on IBM that enables you to deploy and scale apps without managing servers.

2. Cloud Foundry includes runtimes for Java, Node.js, PHP, Python, Ruby, ASP.NET, Tomcat, Swift and Go. Community build packs are also available.

3. Free tier – Up to 256 MB cost-free.

@upkarlidder   https://ibm.biz/BdfPsE

IBM Cloud Functions

@upkarlidder

https://ibm.biz/BdfPsE

1. IBM Cloud Functions is an open source, Functions-as-a-Service (FaaS) platform based on Apache OpenWhisk.

2. Scale to zero - pay for what time you use.

3. Includes runtimes for Java, Node.js, PHP, Python, Ruby, ASP.NET, Swift and Go. Docker containers for all else!

4. Large free tier available.

Use cases

- ❏ Serverless Backends

- ❏ Mobile Backend

- ❏ Cognitive Data Processing

- ❏ Data Processing

- ❏ IoT Ready

- ❏ Event Stream Processing

- ❏ Conversational Scenarios

- ❏ Scheduled Tasks

https://ibm.biz/BdfPsE

IBM Code Engine

https://www.crowdcast.io/e/code-engine-workshop

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1. IBM Cloud Code Engine is a fully-managed runtime where

   developers can:

   1.1. Go live in seconds

   1.2. Easily scale any code even down to zero

   1.3. Pay only for what they use

   https://www.crowdcast.io/e/code-engine-workshop

https://ibm.biz/BdfPsE

Is Code Engine for you?

Containers/ Kubernetes developer

Code Engine easily runs your containers. It is built on Kubernetes with all its features, without the learning curve. Keep your existing Kubernetes experience or Code Engine's simple user interface - the choice is yours.

PaaS/Cloud Foundry developer

With Code Engine's simplified user experience, you can focus on writing & pushing code to the cloud. All infrastructure, networking, security and versioning of your code is managed for you.

Batch Jobs developer

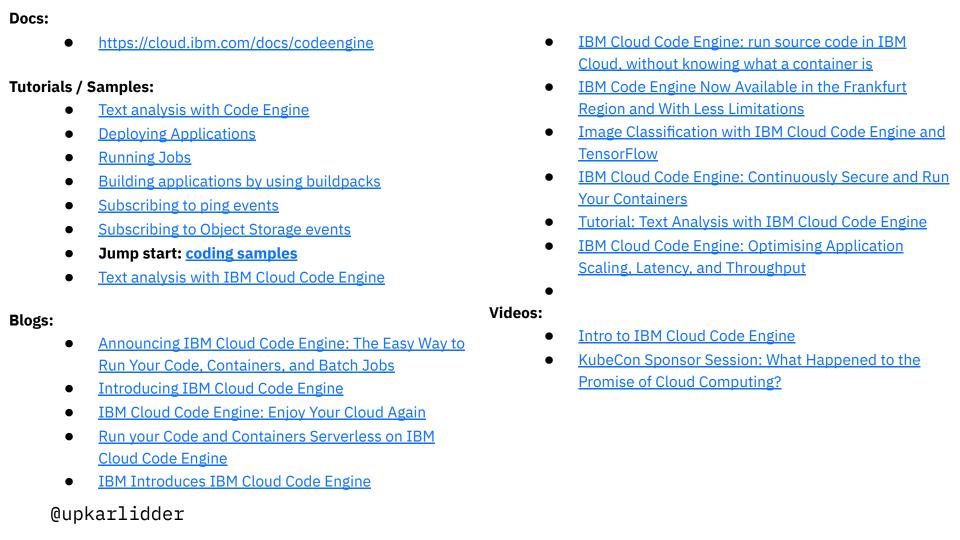Simply submit your "run to completion" batch jobs and scale them out. Never worry about provisioning, managing or removing infrastructure.

Serverless/ Functions developer

Code Engine supports running your event-driven workloads without needing to manually setup, manage or scale your code. You get the same "Functions-as-a-Service" experience that you expect from a Serverless platform.

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Docs:

- https://cloud.ibm.com/docs/codeengine

Tutorials / Samples:

- Text analysis with Code Engine
- Deploying Applications
- Running Jobs
- Building applications by using buildpacks
- Subscribing to ping events
- Subscribing to Object Storage events
- **Jump start: coding samples**
- Text analysis with IBM Cloud Code Engine

Blogs:

- Announcing IBM Cloud Code Engine: The Easy Way to Run Your Code, Containers, and Batch Jobs
- Introducing IBM Cloud Code Engine
- IBM Cloud Code Engine: Enjoy Your Cloud Again
- Run your Code and Containers Serverless on IBM Cloud Code Engine
- IBM Introduces IBM Cloud Code Engine

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- IBM Cloud Code Engine: run source code in IBM Cloud, without knowing what a container is
- IBM Code Engine Now Available in the Frankfurt Region and With Less Limitations
- Image Classification with IBM Cloud Code Engine and TensorFlow
- IBM Cloud Code Engine: Continuously Secure and Run Your Containers
- Tutorial: Text Analysis with IBM Cloud Code Engine
- IBM Cloud Code Engine: Optimising Application Scaling, Latency, and Throughput
-

Videos:

- Intro to IBM Cloud Code Engine
- KubeCon Sponsor Session: What Happened to the Promise of Cloud Computing?

http://bit.ly/legit-info-lab

Workshop!

bit.ly/ibm_cloud_sign_up

CONGRATULATIONS!

@upkarlidder