

# OpenWhisk

<https://developer.ibm.com/openwhisk/>



Serverless compute on Bluemix

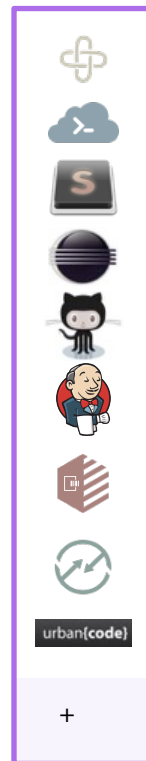
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# How does Bluemix work?

Bluemix is built on 3 open key compute technologies: **Cloud Foundry**, **Docker**, and **OpenStack**.

Extending each of these with a growing number of **services**, robust **DevOps tooling**, **integration** capabilities, and a seamless **developer experience**.

## DevOps Tooling



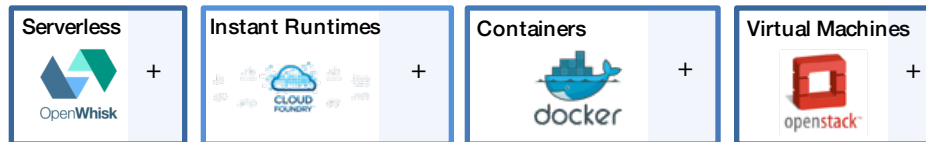
## Your Own Hosted Apps / Services



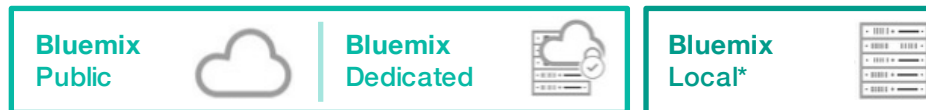
## Catalog of Services that Extend Apps' Functionality



## Flexible Compute Options to Run Apps / Services



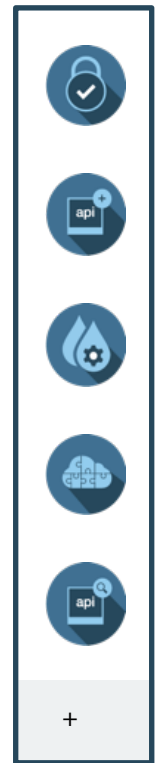
## Platform Deployment Options to meet Workload Requirements



Powered by IBM SoftLayer

In Your Data Center

## Integration & API Mgmt

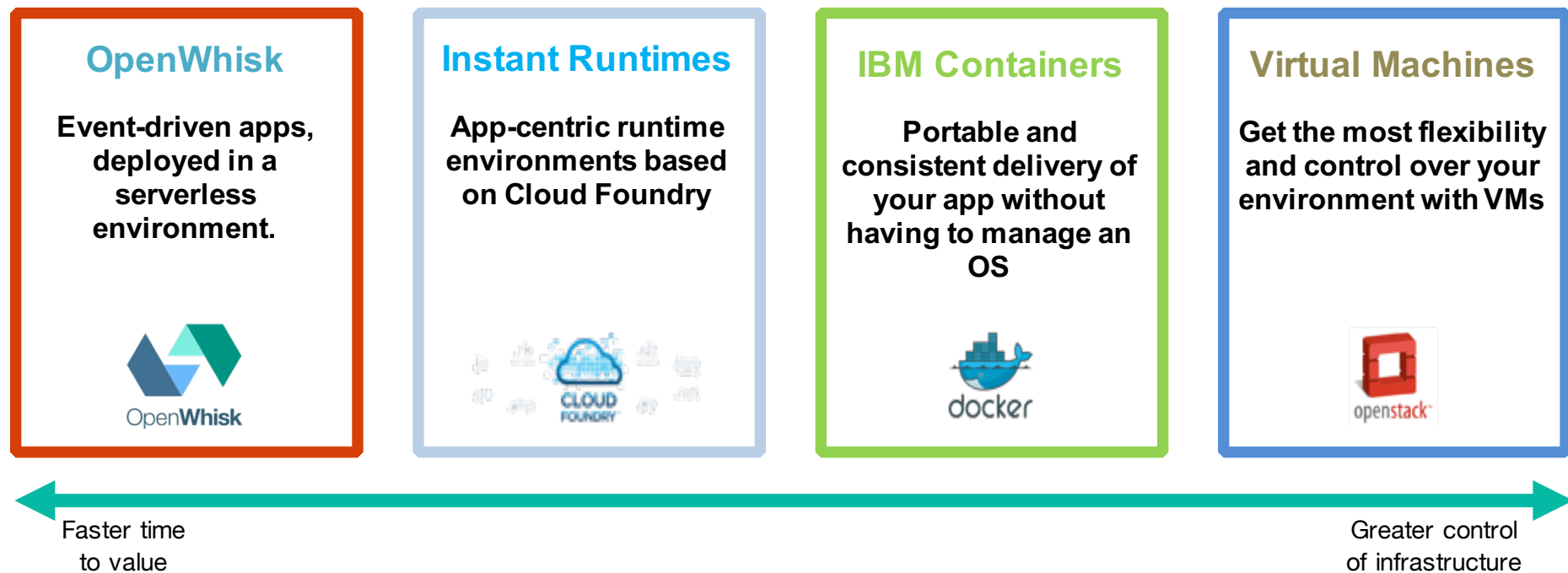


# A Full Spectrum of Compute

Build your apps, your way.

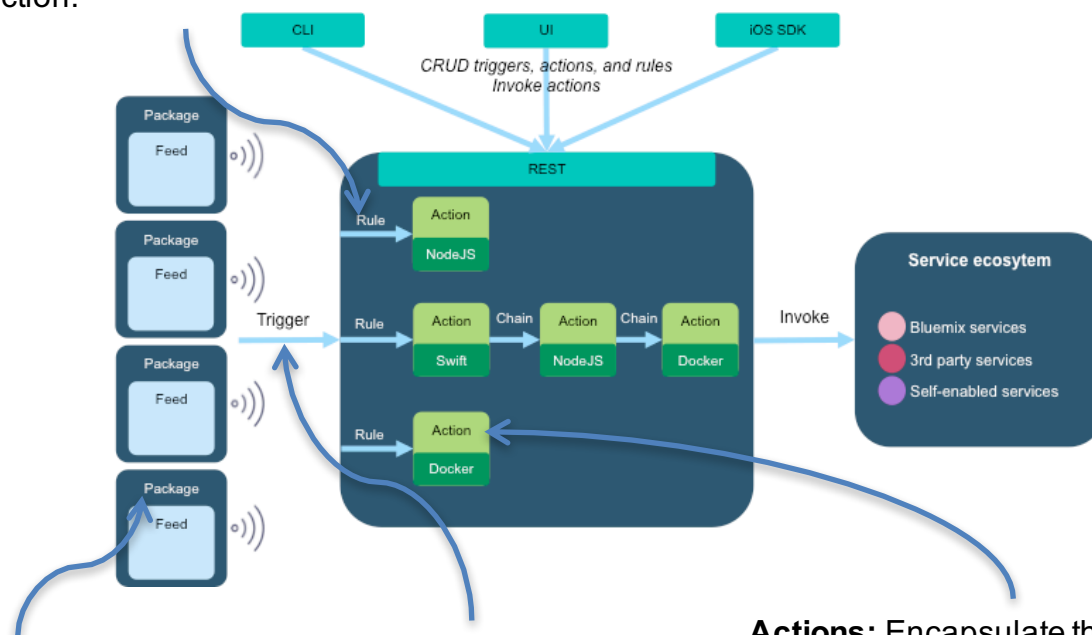
*Use a combination of the most appropriate open-source compute technologies to power your apps. Then, let Bluemix handle the rest.*

Devs get to **choose** the level of **infrastructure abstraction** and **fine-tuned control** that suits their apps and services.



# OpenWhisk Concepts

**Rules:** An association between a trigger and an action.



**Packages:** Describe external services in a uniform manner.

**Triggers:** A class of events emitted by event sources.

**Actions:** Encapsulate the actual code to be executed which support multiple language bindings. Actions invoke any part of an open ecosystem including existing Bluemix services or any other 3rd party service.

# Differentiators



## **No Vendor Lock-in**

Whisk will become available via open-source



## **No IBM-only Effort**

Whisk will be driven jointly with partners



## **Open Ecosystem**

Open ecosystem which allows to share and reuse rules, triggers and actions



## **Service Ecosystem**

Broad range of services from different areas such as cognitive, mobile, IOT, etc.



## **Highly Scalable Cloud-Platform Providing Higher-Value Services**

Providing tools for debugging, monitoring, etc.



## **Hybrid Deployment Models**

Available via Bluemix public, dedicated and local



## **Apple Partnership**

Whisk will support Apple's Swift programming language for mobile backend functionality



## **Superior Programming Model**

Black box container actions, composition, abstraction and inheritance

# Getting started with OpenWhisk

- You want to try OpenWhisk on your own?
  - Want to try out our IBM Bluemix OpenWhisk offering?
    - Sign-up today at: <https://new-console.ng.bluemix.net/openwhisk/>
  - Want to try out our open-source OpenWhisk offering?
    - Visit: <https://developer.ibm.com/openwhisk/>

# OpenWhisk Information

- <https://developer.ibm.com/openwhisk/>
- <https://github.com/openwhisk/openwhisk>
- <https://new-console.ng.bluemix.net/docs/openwhisk/index.html>

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