



**J.J.COLLEGE OF ENGINEERING AND TECHNOLOGY**

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**(Sowdambikaa Group of Institutions)**



# ***Personal Blog on IBM Cloud Static Web Apps***

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# CLOUD FOUNDRY:

- The basic premise of Cloud Foundry is to facilitate the development of cloud applications as well as container-based applications. As noted earlier, its workflow is fairly strict and less flexible than other development platforms.
- It may also be useful to review Cloud Foundry deployments offered by third-party firms and cloud service providers to identify any variations in code and instructions. Users who wish to avoid vendor lock-in should consider using the open source version instead.
- Cloud Foundry is an open source cloud platform as a service (PaaS) on which developers can build, deploy, run and scale applications. VMware created Cloud Foundry, which is now part of Pivotal Software, whose parent company is Dell Technologies.



# LIMITATIONS OF CLOUD FOUNDRY:

## **Allow developers to focus on business outcomes:**

- The functionality of your applications runs your business. The more developers can focus on this, the more they can contribute to your business by building and refining features. With Cloud Foundry, developers are freed from the burden of defining and maintaining containers, provisioning and managing services, and complex configurations for things like ingress networking.

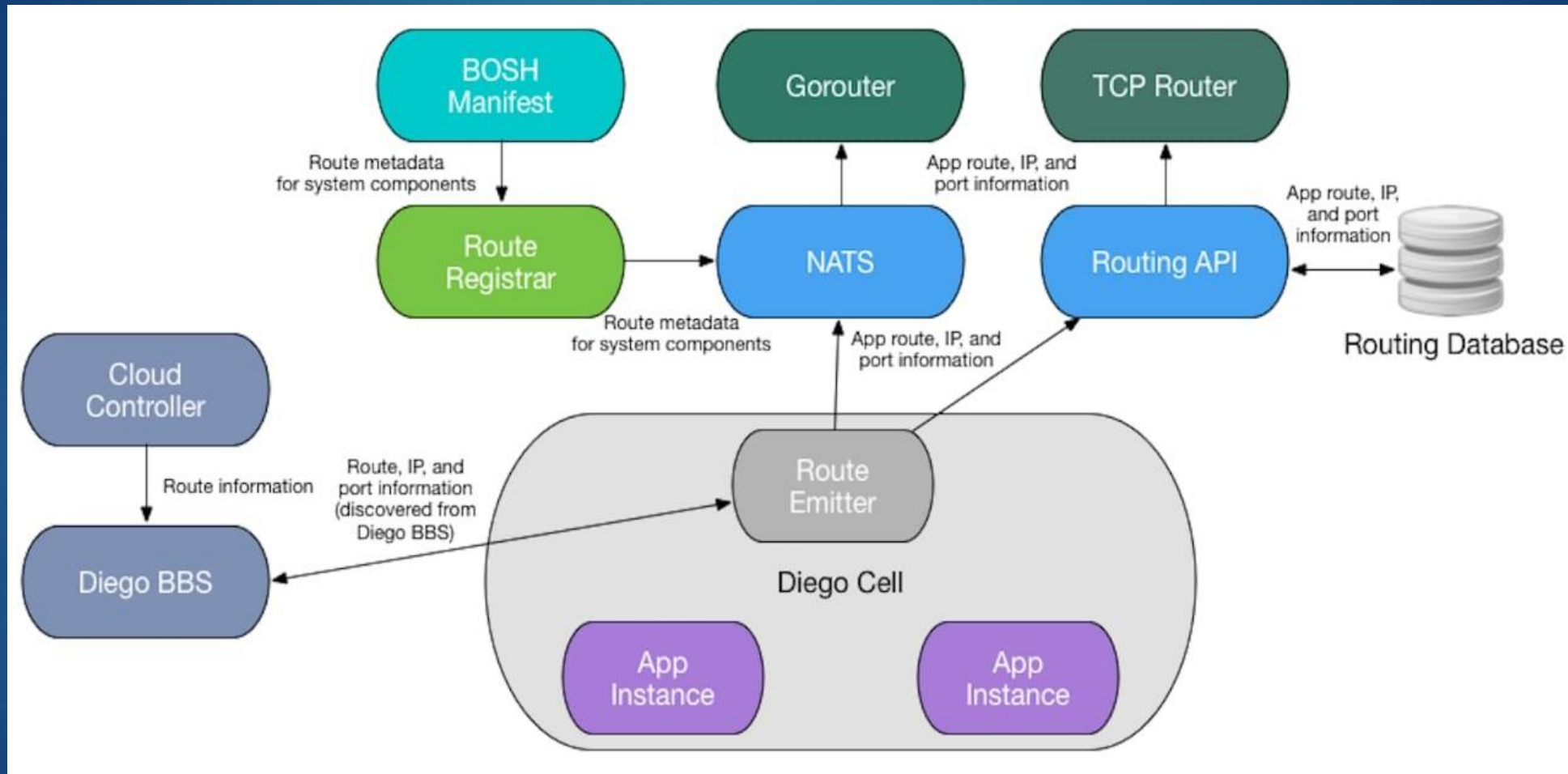
## **Standardize and centralize common components:**

- Cloud Foundry allows operators to test, configure, and secure platform capabilities in a single location for all users. This work is done before being released to developers, freeing operators to manage the platform proactively. Answering questions like “what versions of Ruby or MySQL are currently in production” are easy to answer with Cloud Foundry.

## **Make security and compliance an accelerator:**

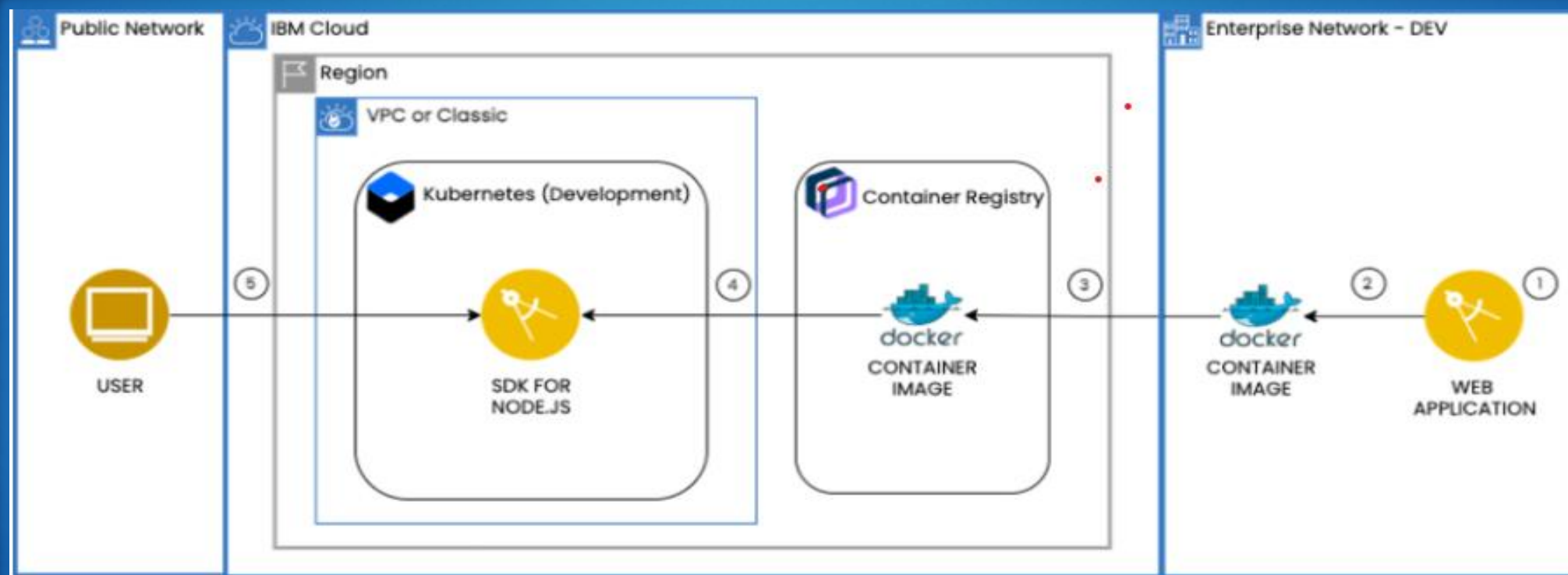
- In many IT shops, security and compliance are seen as impediments to getting to production. Because Cloud Foundry focuses on self-service and standardization, security and compliance are core to the platform.

# ARCHITECTURE OF CLOUD ROUTING:



# REQUIREMENTS:

- OS:  
Python, Node.js
- Software:  
Linux(example: ubuntu)



# CONCLUSION:

- Cloud Foundry is an opinionated application platform that brings efficiency, security, and speed to software development organizations. Cloud Foundry makes it faster and easier to build, test, deploy, and scale applications, providing a choice of the underlying infrastructure (including Kubernetes), developer frameworks, and application services. In addition, operational aspects of the platform are standardized and automated, freeing operators to focus on higher-value tasks while still providing developers with a secure self-service experience.
- Cloud Foundry is an open-source project guided by its contributors, governed by a directed fund of the Linux Foundation, funded by its members, and driven by a community.