

agoda.com



Container Technology as Success Factor to CI/CD Environment At Agoda

22 September 2016

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Contents

- **Agoda at a glance**
- Fun Facts
- Technology Stack
- CI/CD at Agoda
- Container at Agoda
- Agoda Automation Journey

Agoda at a glance

Our history

- Established in 2005 in Bangkok
- Founded by Michael Kenny and Rob Rosenstein
- Acquired by the Priceline Group in 2007

Our Customers

- Over 4M unique visitors/day
- Over 21M registered Agoda members

Our Product

- Available via Website and Mobile Application for iOS and Android

Our Presence

- Present in over 40 locations in 5 continents
- Home to >2,300 employees of >60 nationalities

Our Partners

- 140k direct accommodation partners
- >600k additional accommodation partners through shared inventory with sister cos
- Additional marketing partners e.g. airlines and banks

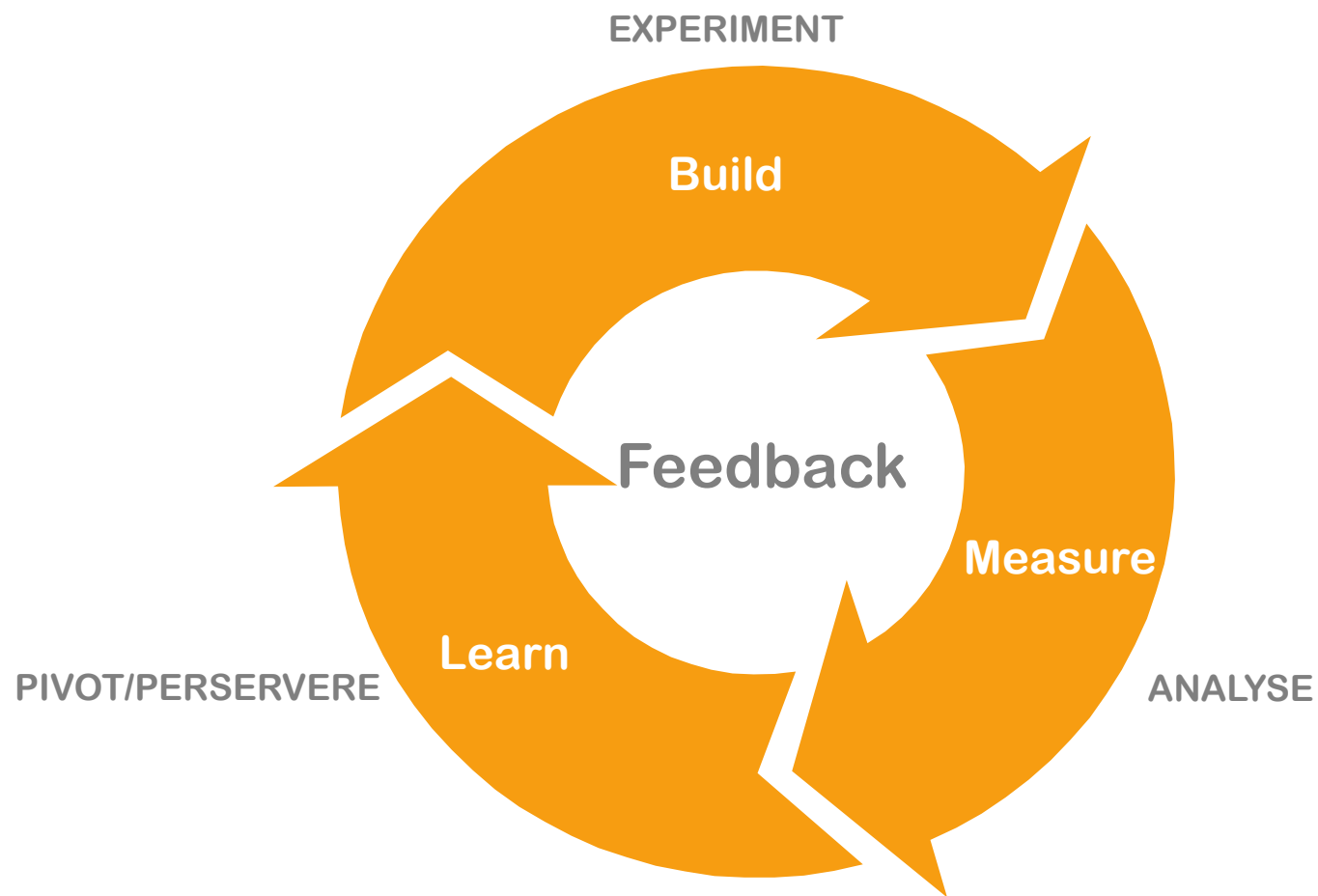
At Agoda ...

“Our goal is to create the most customer centric hotel product on the planet”

Why is customer experience important?

The image shows two overlapping screenshots of hotel booking websites. The top screenshot is from Expedia, displaying the hotel name 'Anantara Bangkok Riverside Resort And Spa' with a 5-star rating, location, and a 'SELECT ROOM' button. The bottom screenshot is from Agoda, showing a detailed view of the same hotel with a 'Book now!' button, a 'Sale ends soon!' alert, a 'Fantastic 8.5' rating based on 854 reviews, and a quote about a free boat trip. The Agoda page also includes a search bar, a map, and a 'Search for other hotels' section.

What we do ?



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Fun Facts

Builds

- 2,000 build per days, 11500 build per weeks and 35,000 build per month

Tests

- Up to 12500+ tests per build (... and increase every day)

Release

- Release Daily : up to 4 release a days (Plan to 20 Release per day)

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Technology Stack

Language

- C#, Objective C, Android, Java, Scala, Python, Go, JavaScript

OS

- Windows, Linux, Android, iOS

Datastore

- Cassandra, SQL Server, Hadoop

Infrastructure/Virtualization

- OpenStack, Hyper-V, Azure, Docker

Challenges

Fast

12,500 tests take 3-4 hours of test time

Scalable

Rich environment and features preparation

Reproducible

Code-To-Production repeatable and constant

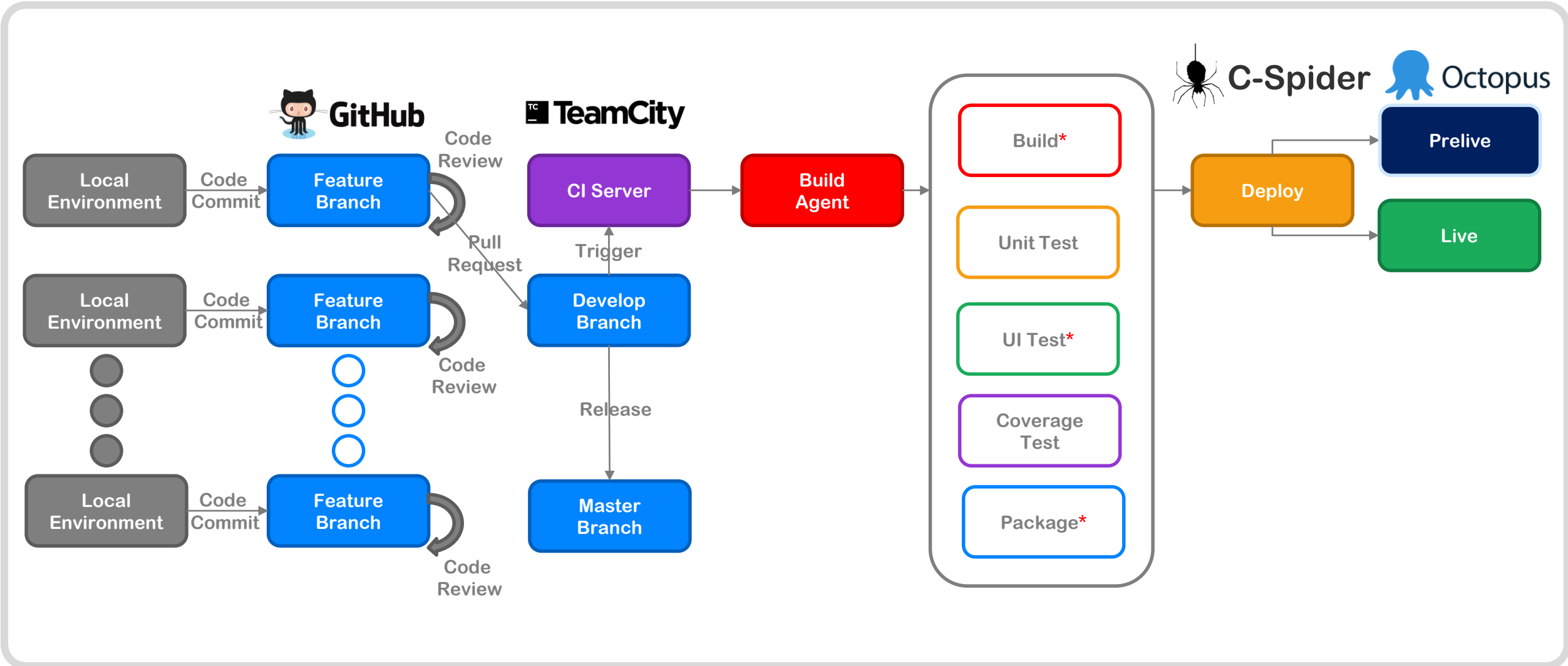
Secure

Compliance, PCI etc.

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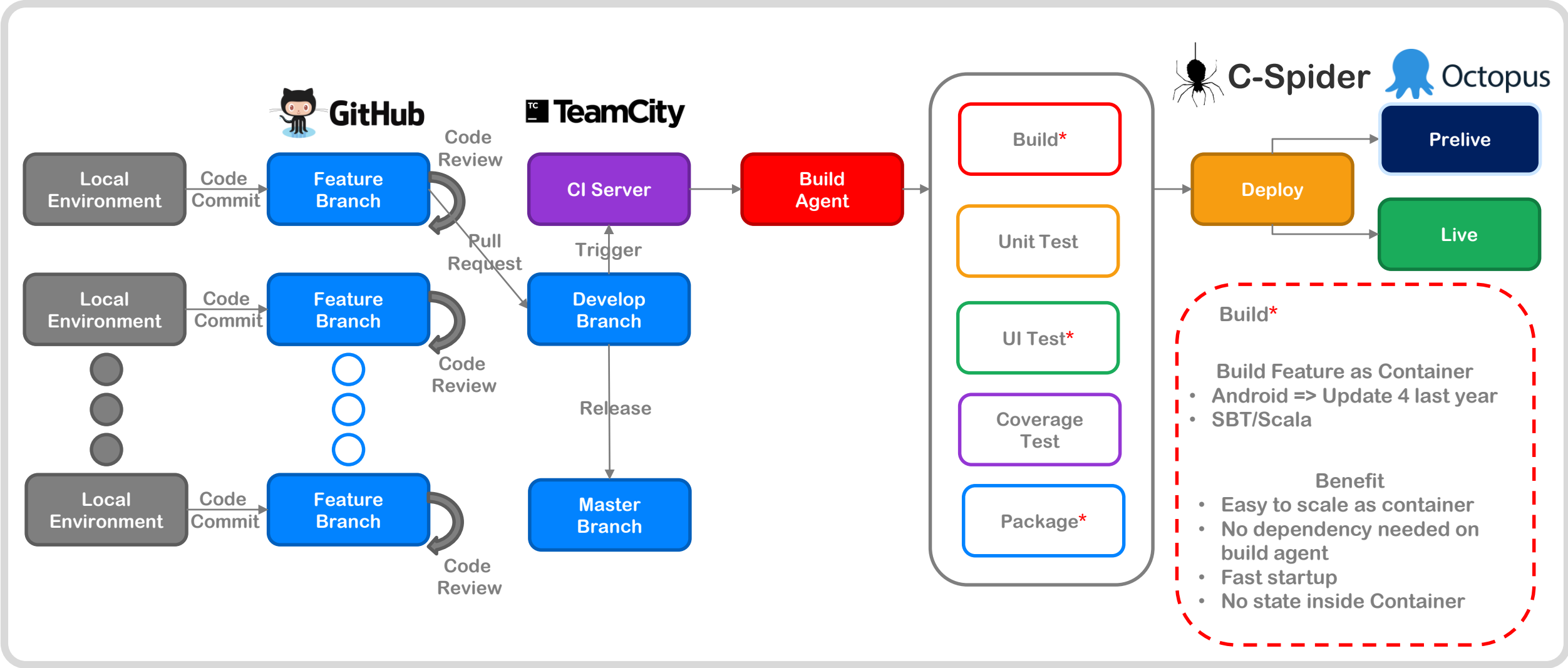
Continuous Integration At Agoda



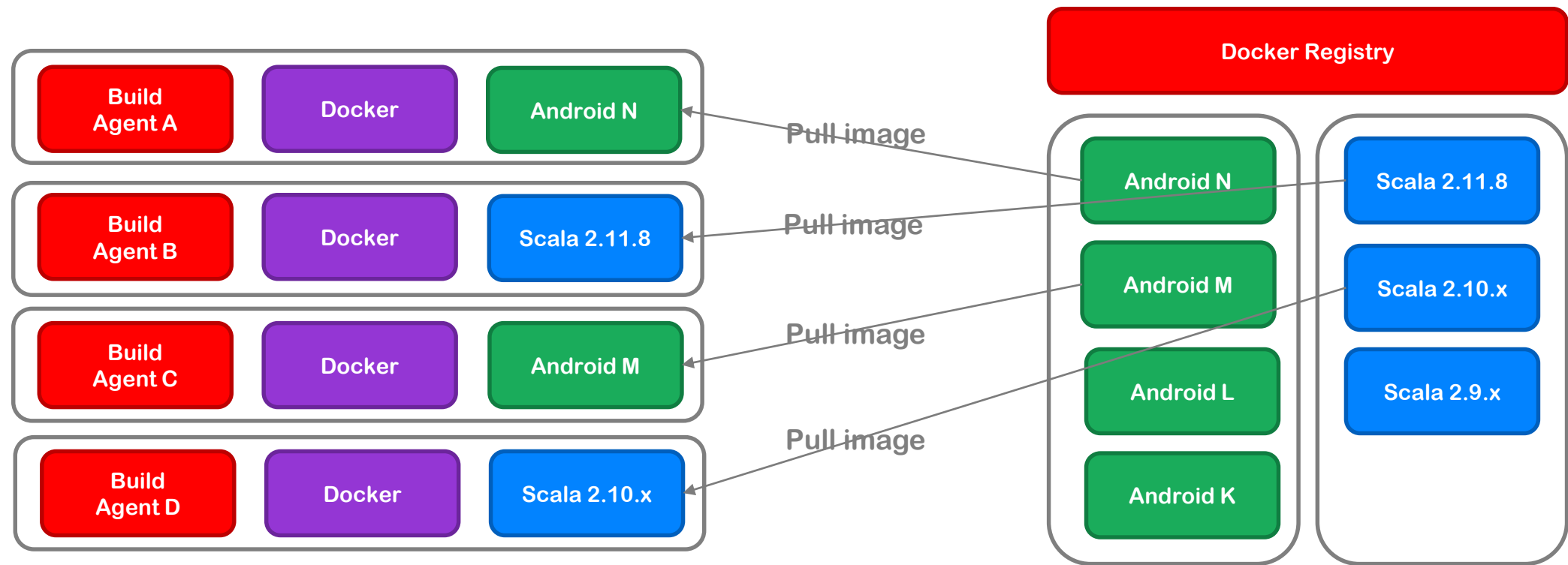
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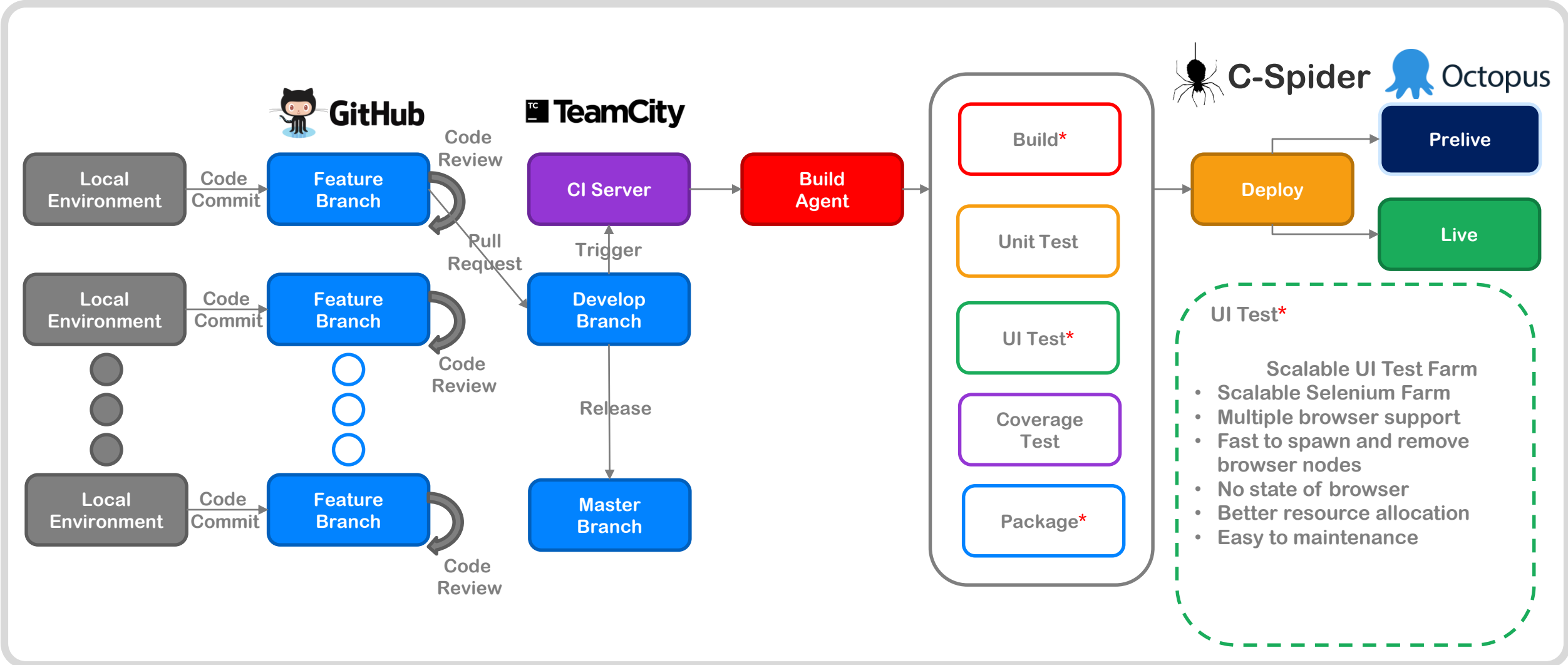
Container At Agoda



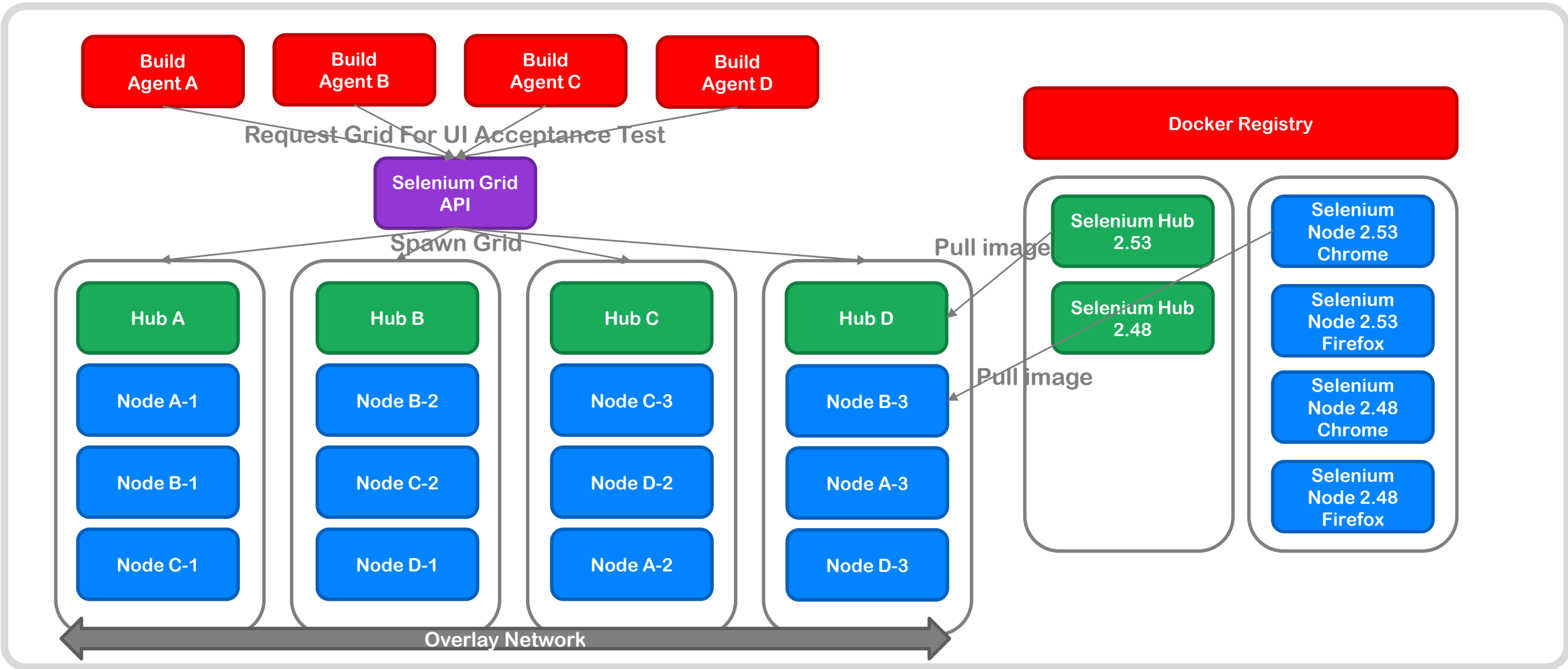
Build capability as Container



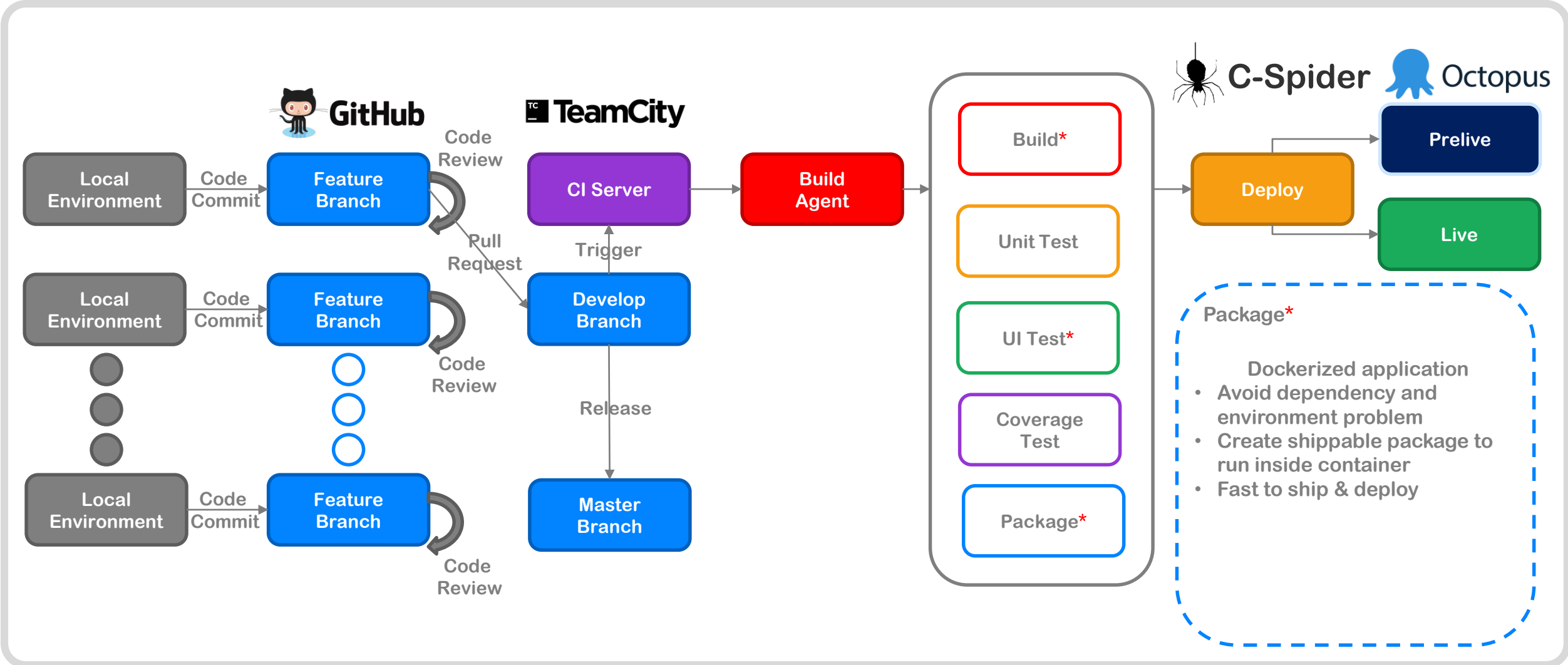
Container At Agoda



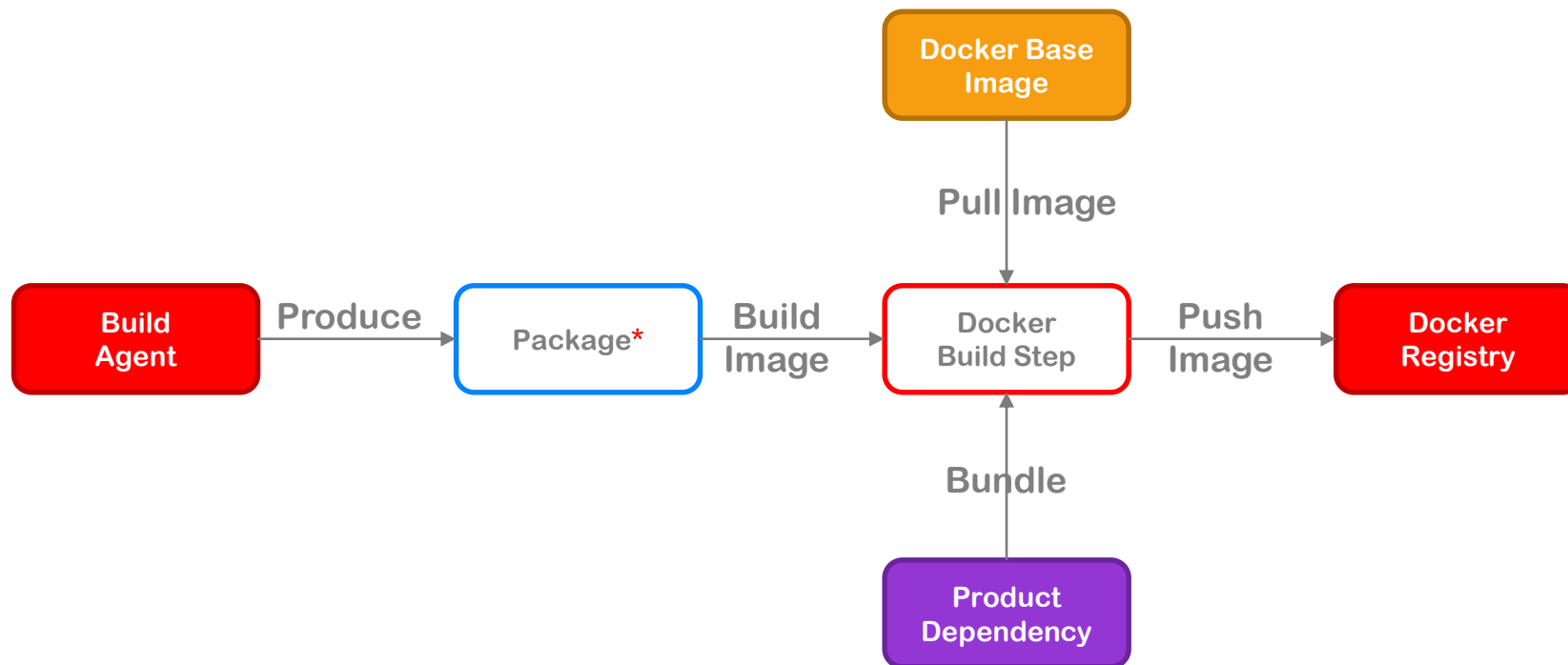
Test capability as Container



Container At Agoda



Product package as Container

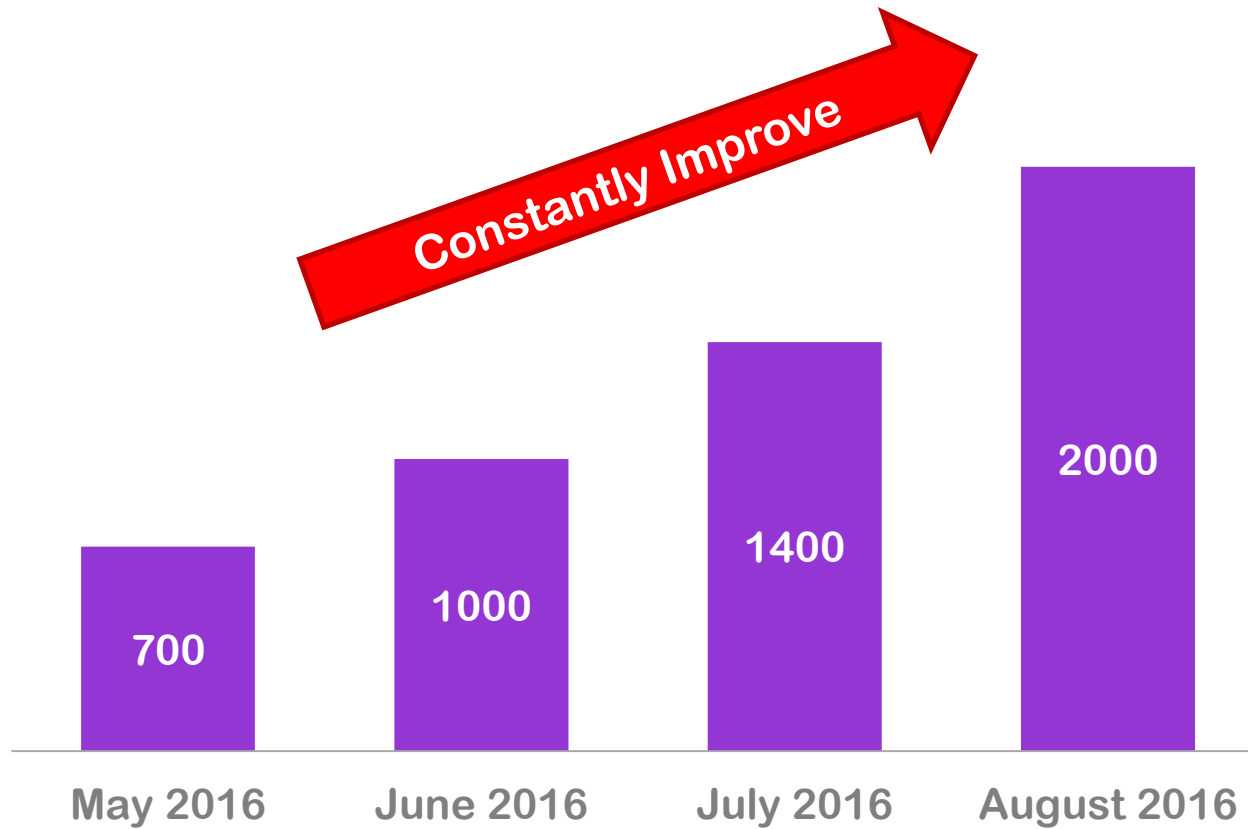


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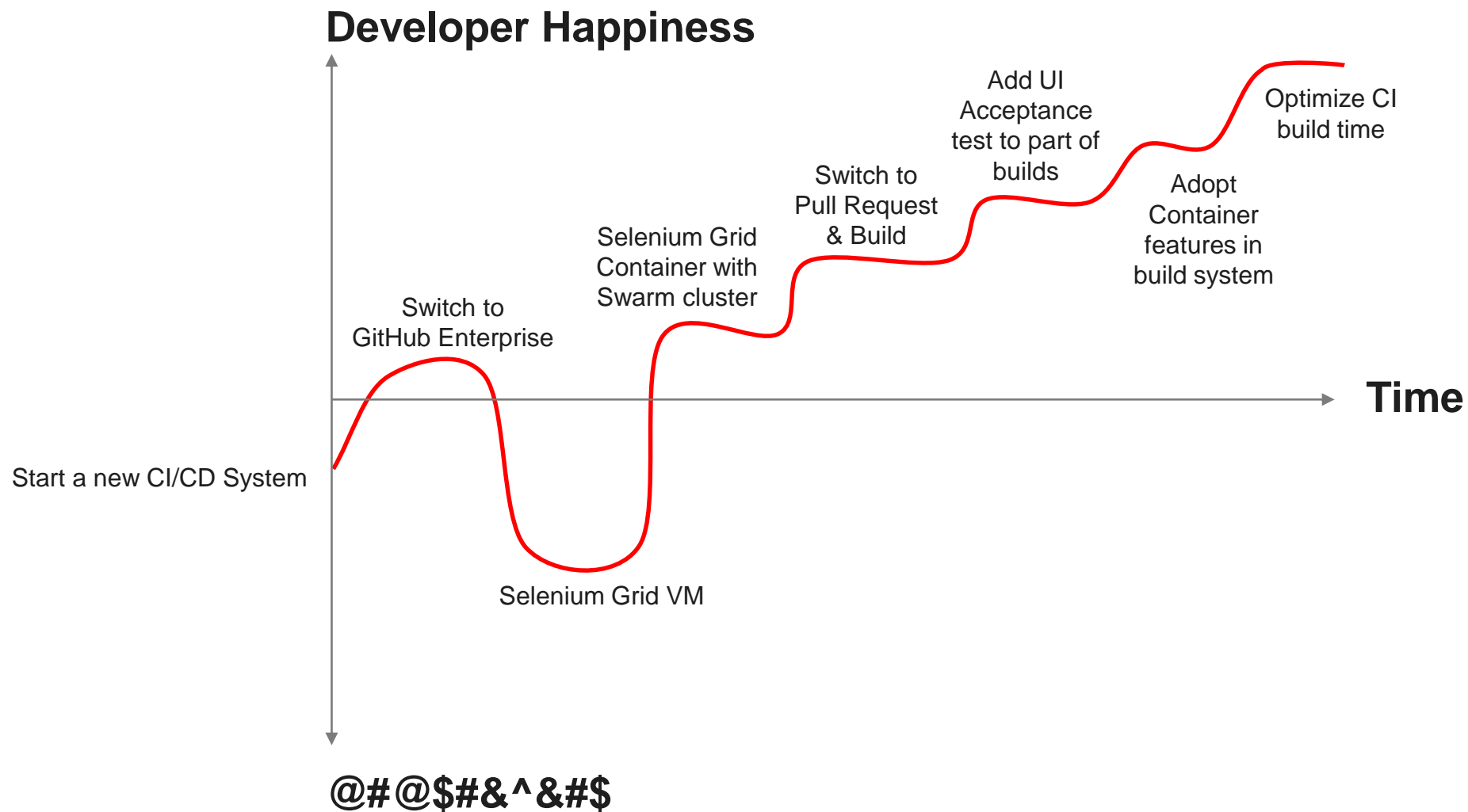
Agoda Automation Journey

Build per days



Source: Agoda TeamCity Statistics

Agoda Automation Journey



#AgodaDevOps
#WeAreHiring

Thanks

Questions?