



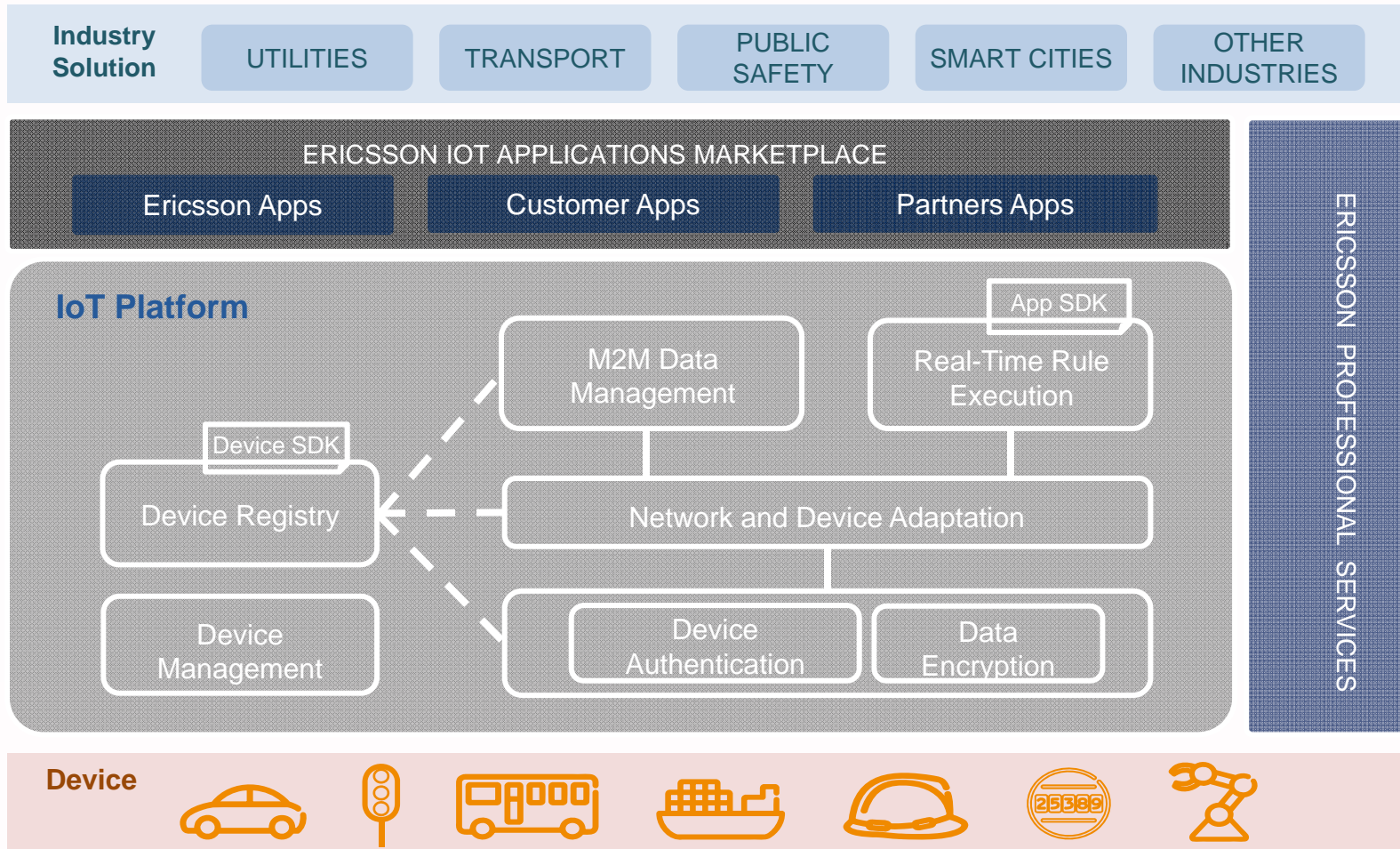
CONTINUOUS DELIVERY WITH EFFICIENT AUTOMATED TESTING IN CLOUD

Presented by [Teresa Song]

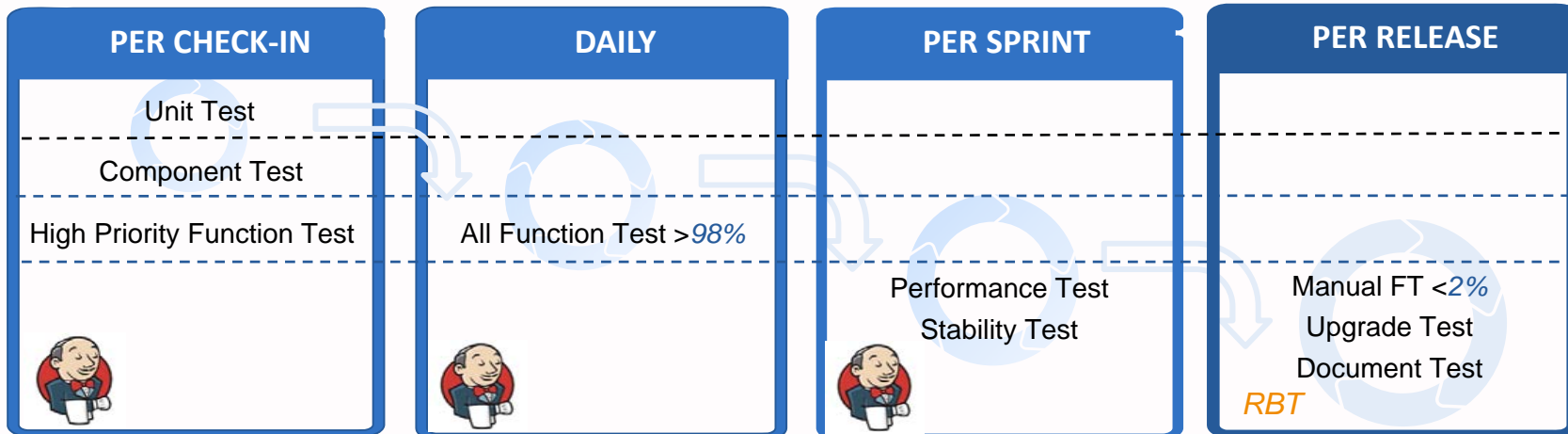
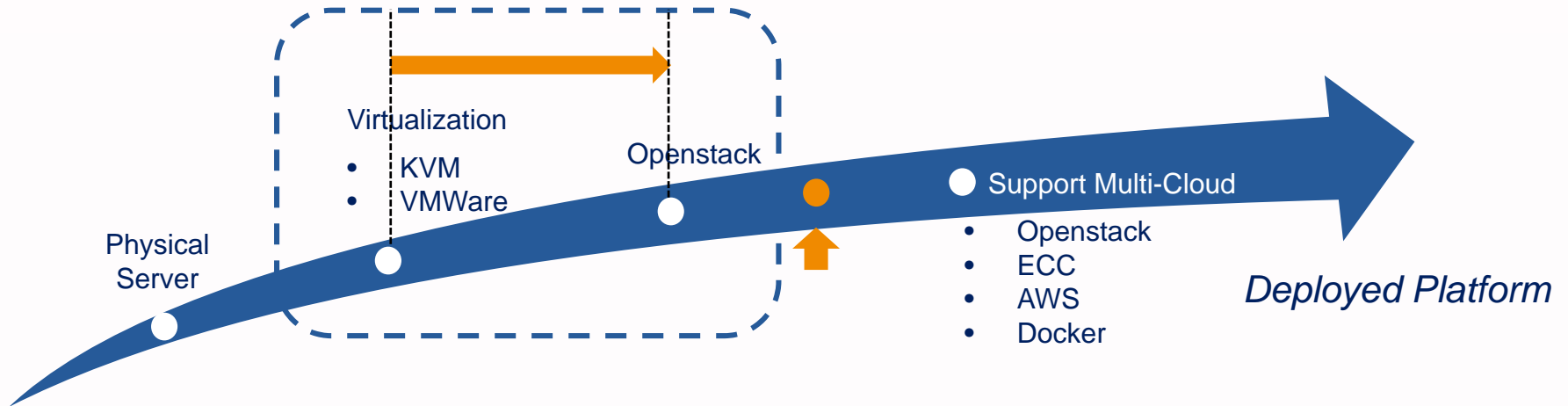
Agenda

- Product Introduction
- Challenge & Solution

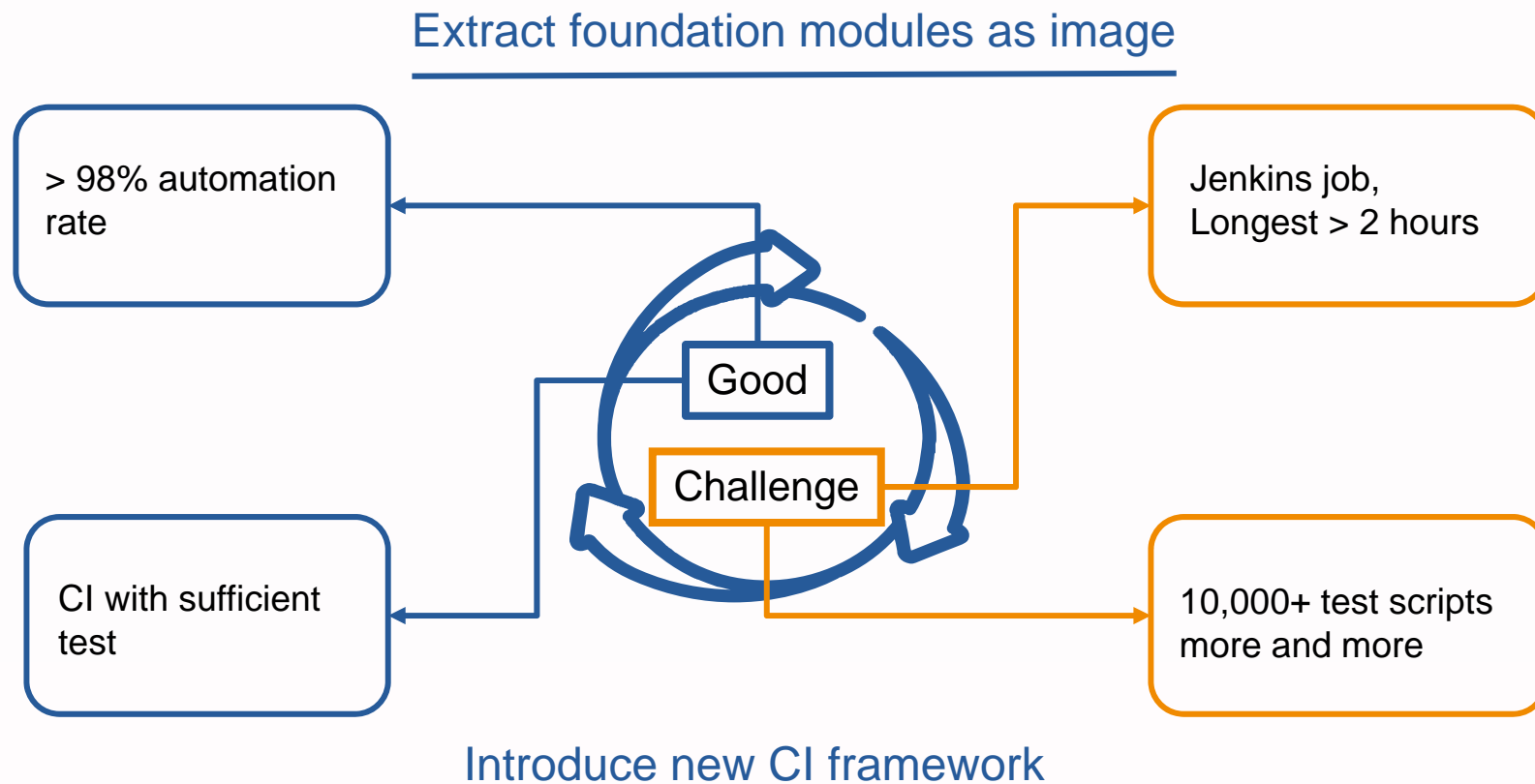
Product Intro – IOT PLATFORM



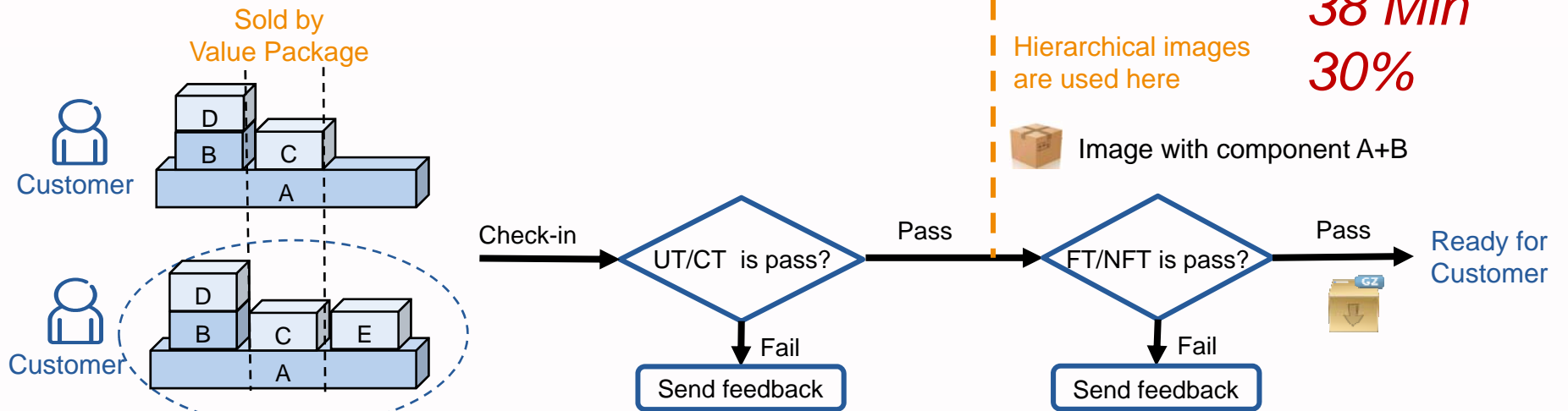
Test Strategy



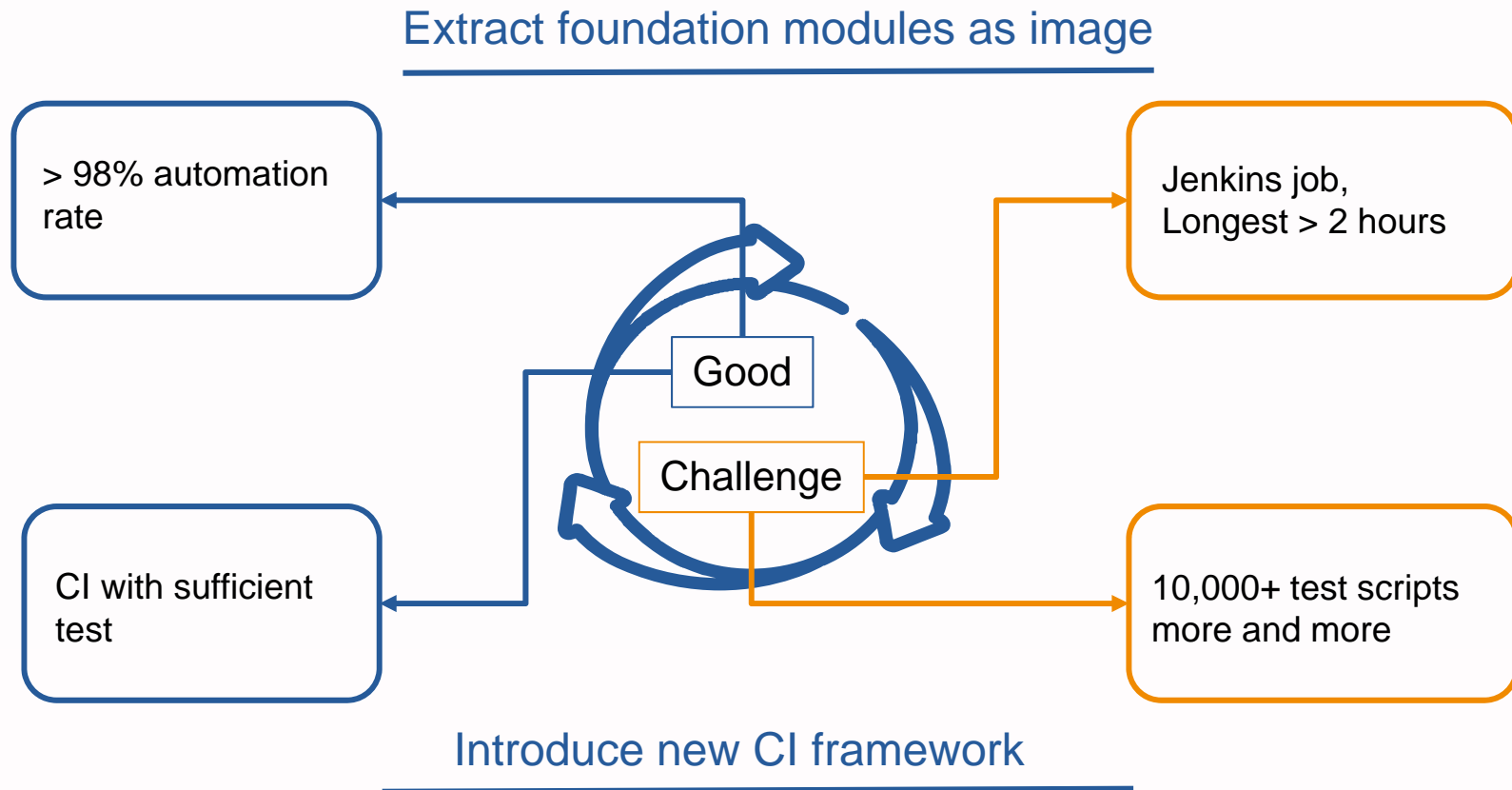
Challenge & Solution



Extract Foundation Image

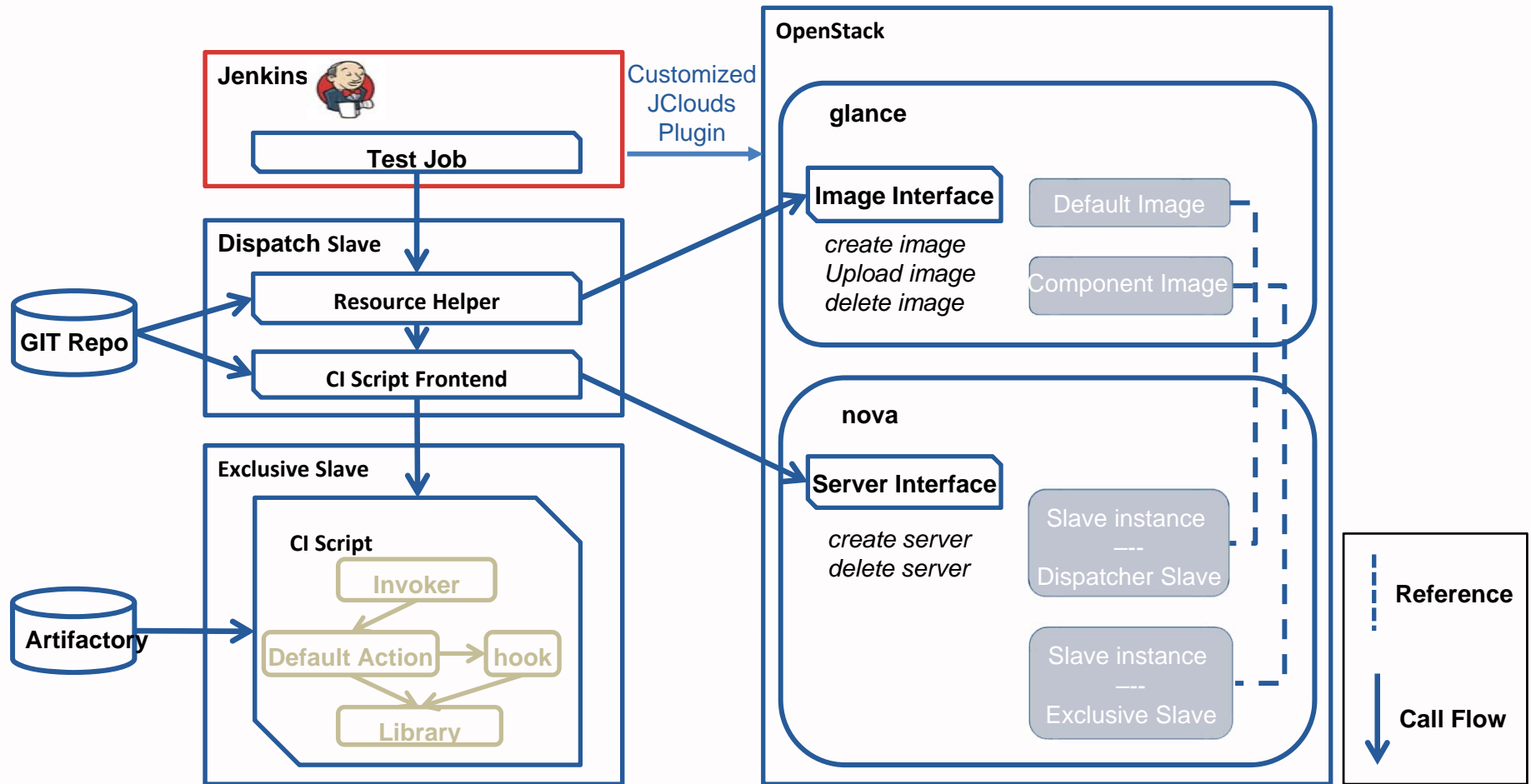


Challenge & Solution



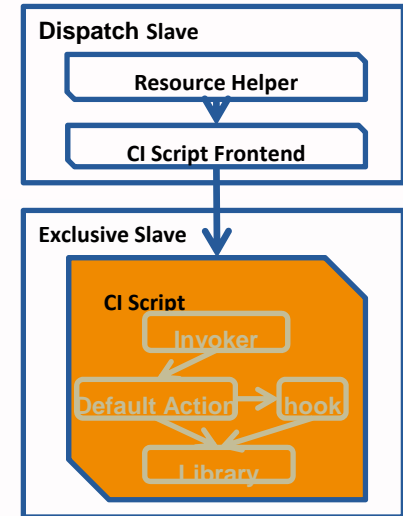
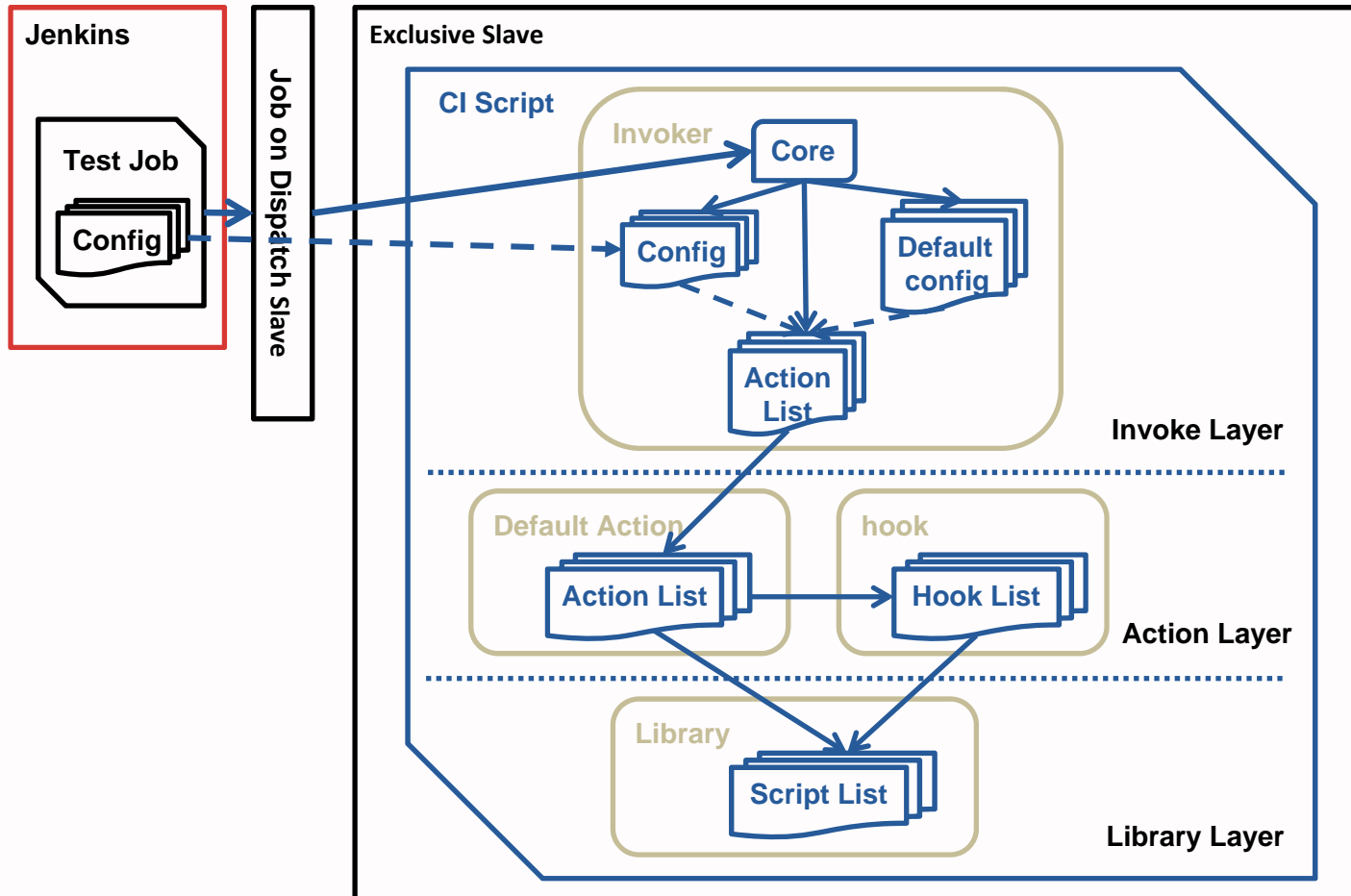
Test CI Framework

Support Image Launch



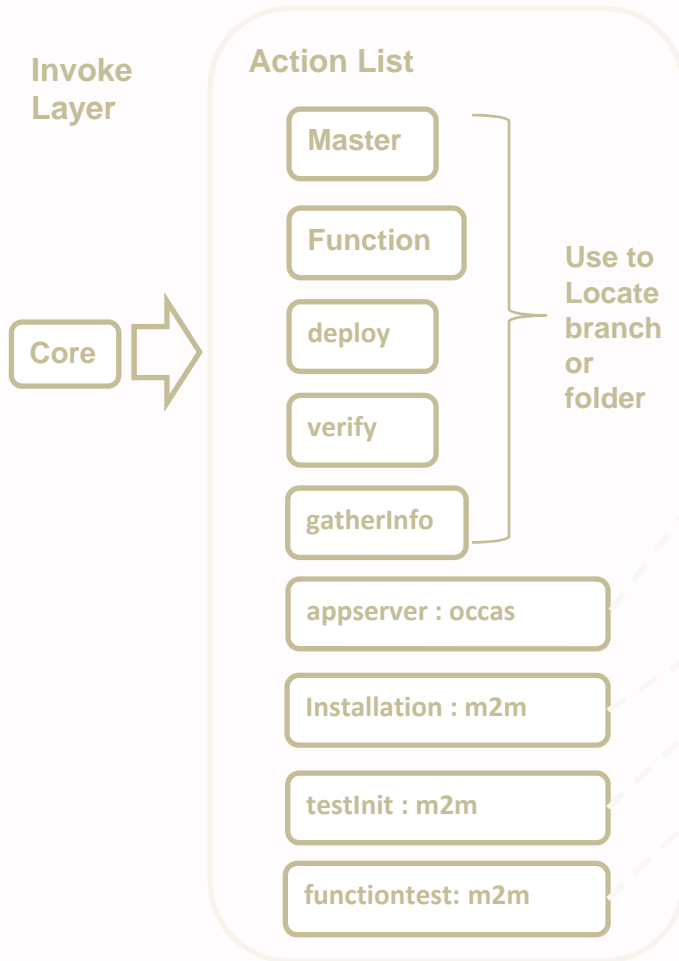
Unified CI API Smart Execute Test

Exclusive Slave



- Invoker Layer
 - Jenkins job invoke Core script in CI invoker bring job's configuration as input parameter
 - Core script combine Job's input and default configure to action invoke list
 - Invoke action by list
- Action Layer
 - Associate library script for default action
 - invoke hook before and after action perform
- Library Layer
 - Provide basic API

Example



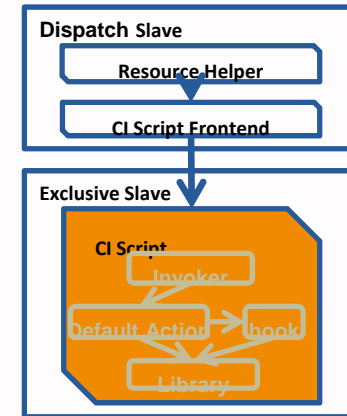
Action Layer

Action List

- | - function/ (ft/smoketest/upgrade)
- | - deploy
 - | - network.py
 - | - class ipv6
 - | - appserver.py
 - | - class occas
 - | - class jboss
 - | - installation.py
 - | - class m2m
 - | - class messaging
- | - verify
 - | - testInit.py *Use common when not find*
 - | - class common
 - | - functiontest.py
 - | - class common
 - | - class m2m
 - | - class messaging

Hook List

- | - function
 - | - deploy
 - | - installation.py
 - | - class m2m-pre
 - | - class m2m-post



Library Layer

Library

- | - DbExecution
 - | - performMySQL.py
 - | - performOracle.py
- | - getComponent
 - | - getRpmFromRepo.py
 - | - getWarFromRepo.py
- | - deployRPM
 - | - installRPM.py
 - | - installWar.py
- | - activeComponent
 - | - activeOccas.py
 - | - activeJboss.py

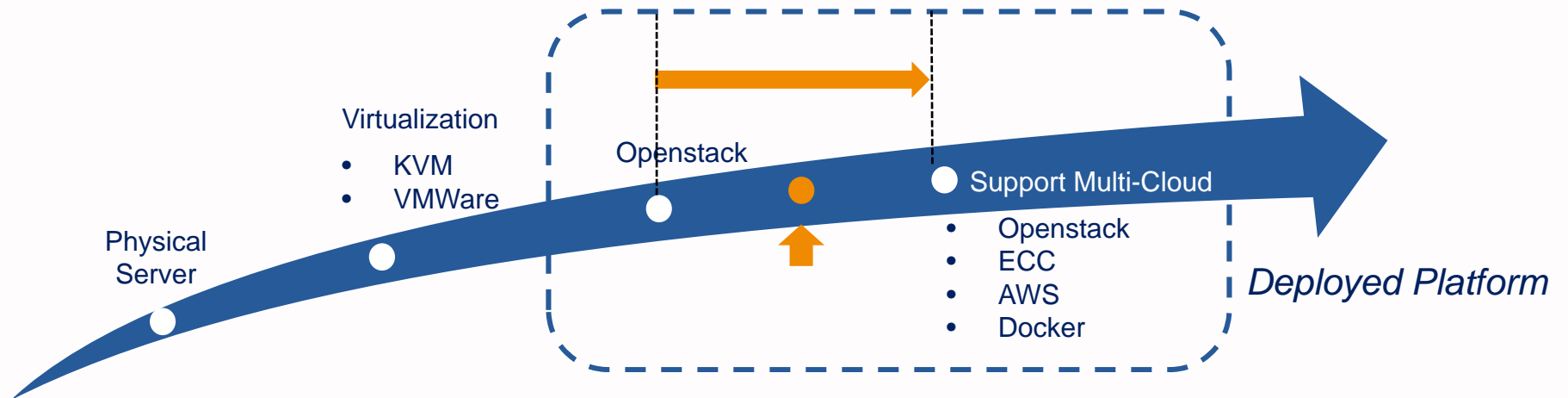
Challenge & Solution

Extract foundation modules as image

- ✓ Average 38 minutes/30% are saved for each Jenkins test job
- ✓ Time to Error Discovery is much shorten
- ✓ Easy and flexible to support testing on future multi-cloud platform

Introduce new CI framework

Changing On The Way



Q & A