

IBM SolutionsConnect 2013

Turning Opportunity into Outcomes.



SO LET'S BRING THE CLOUD DOWN TO EARTH

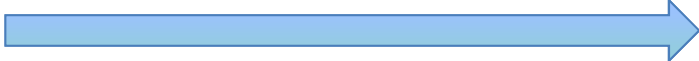
Hitchhiker's guide to the Cloud

Philippe Spaas



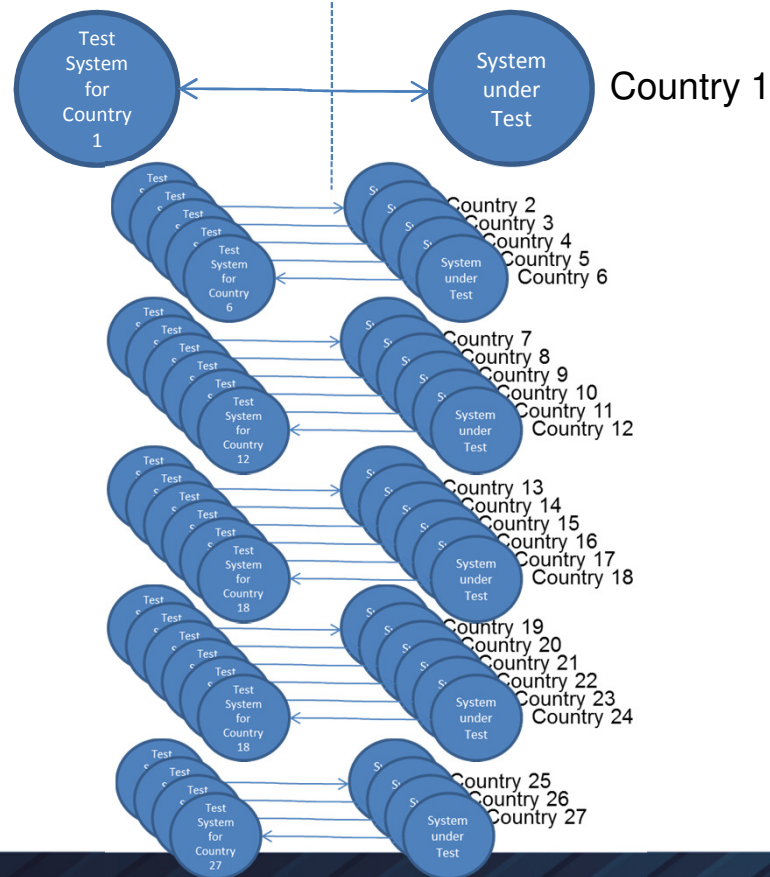
The EU: Staging a rehearsal for a schoolplay with 27 actors



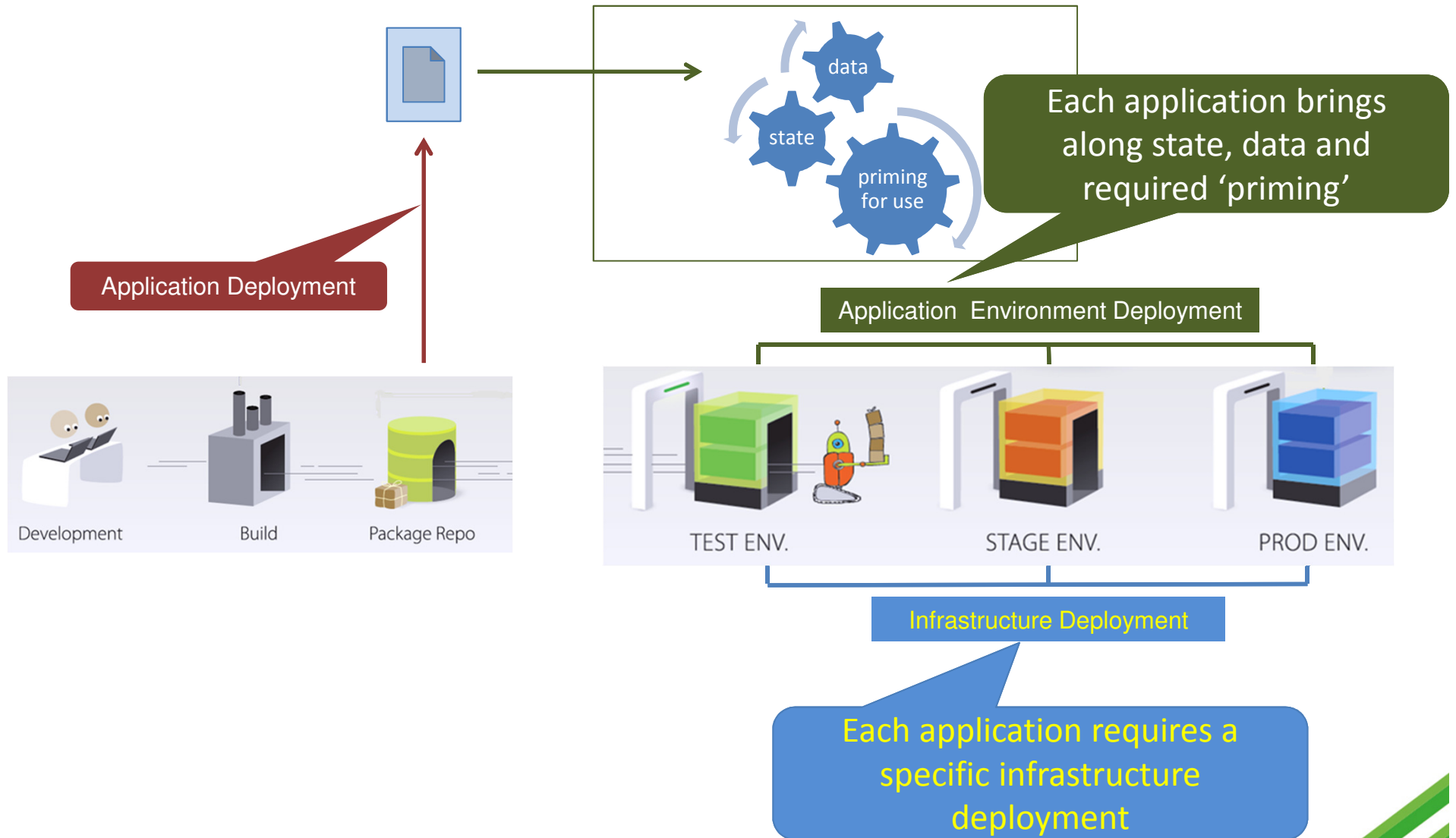
Testing  Production

European
Institution

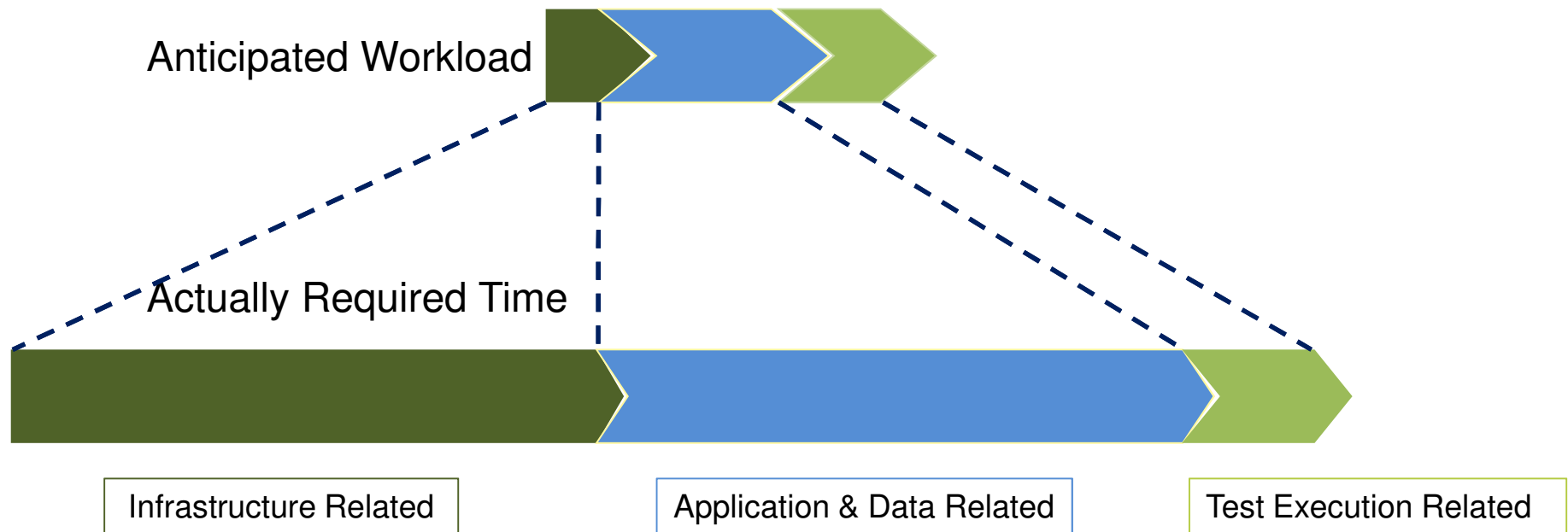
National
Administrations



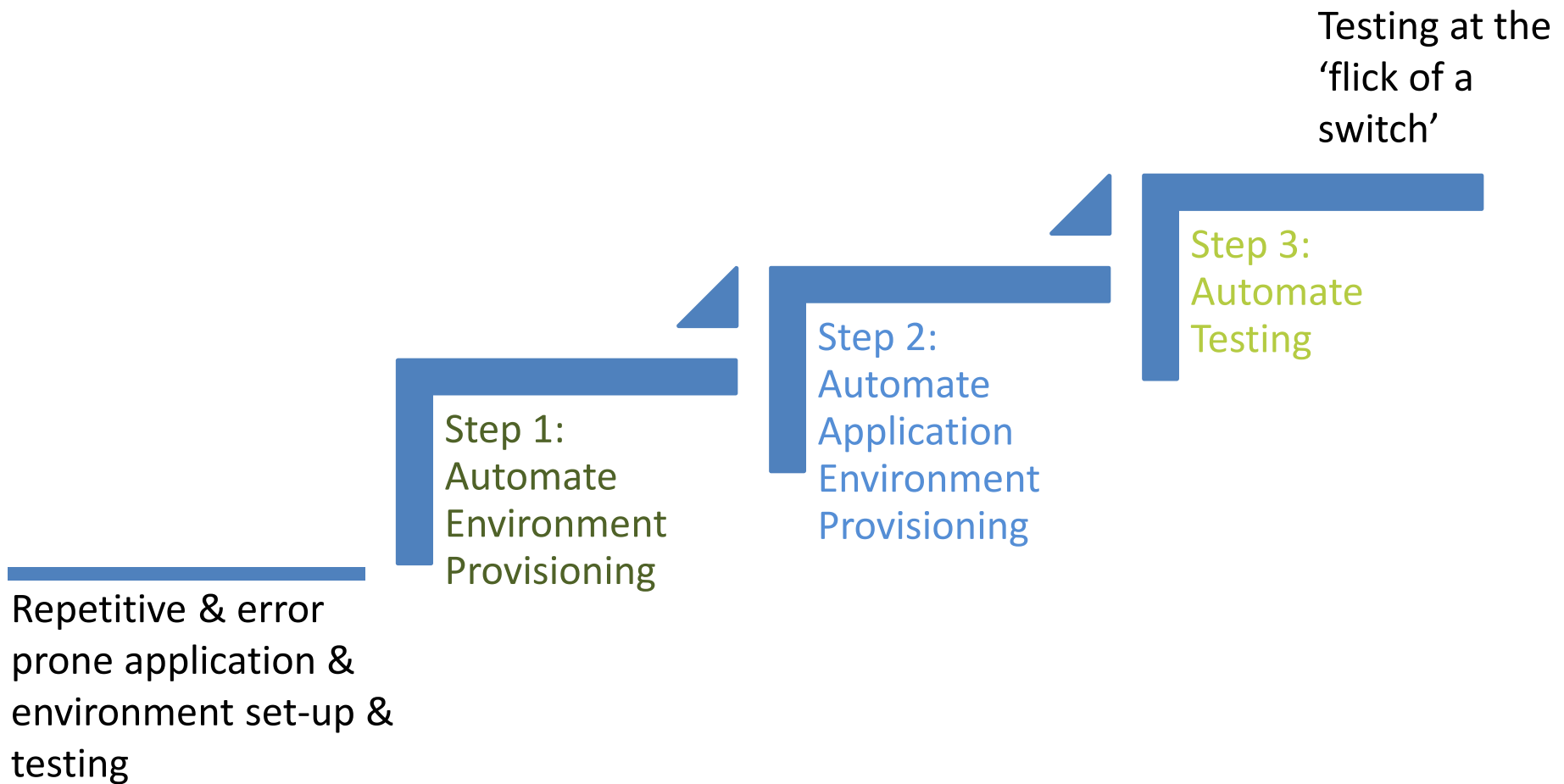
Setting up a testing environment: a complicated process



A lot of complicated steps: time, cost and quality become issues



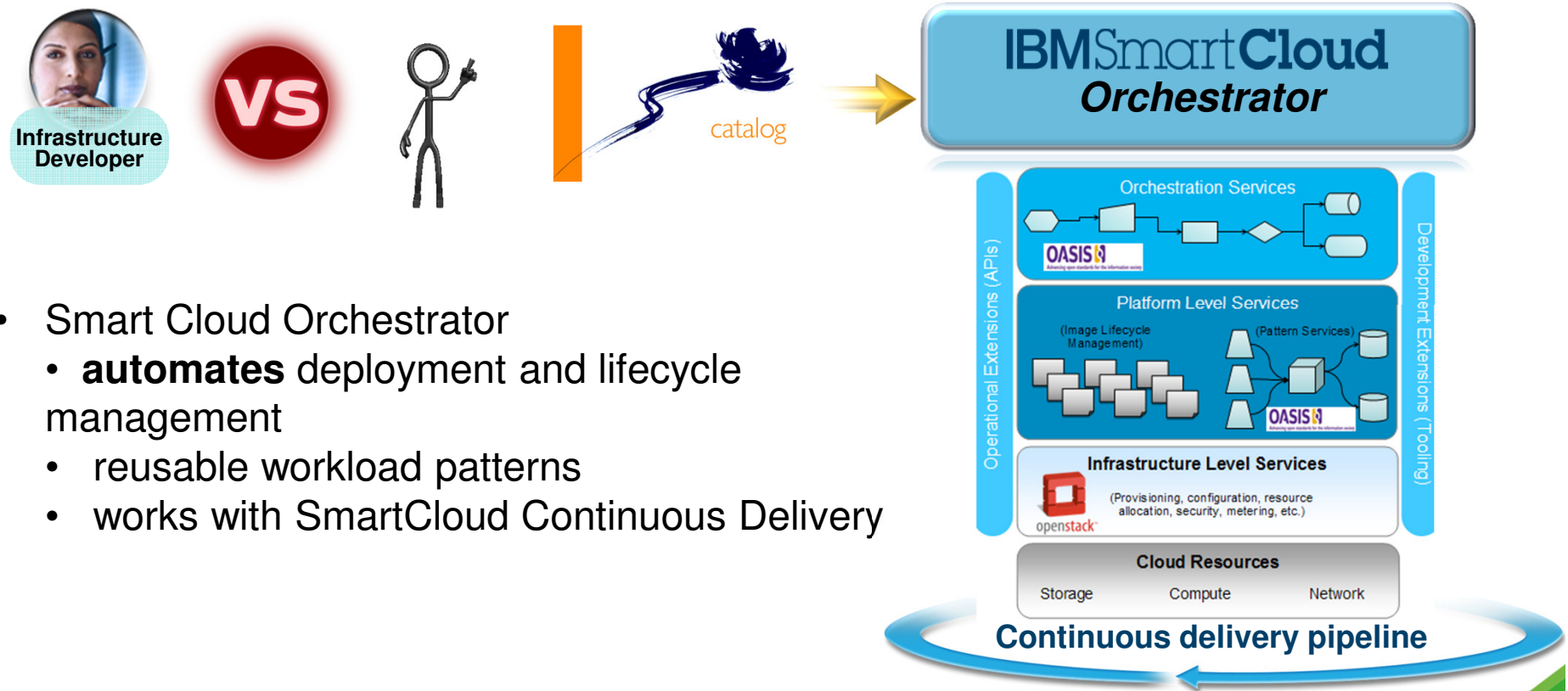
Cloud Test Automation: three steps towards simplicity



Step 1: automating the infrastructure environment set-up



- Any application release is accompanied by a corresponding infrastructure release

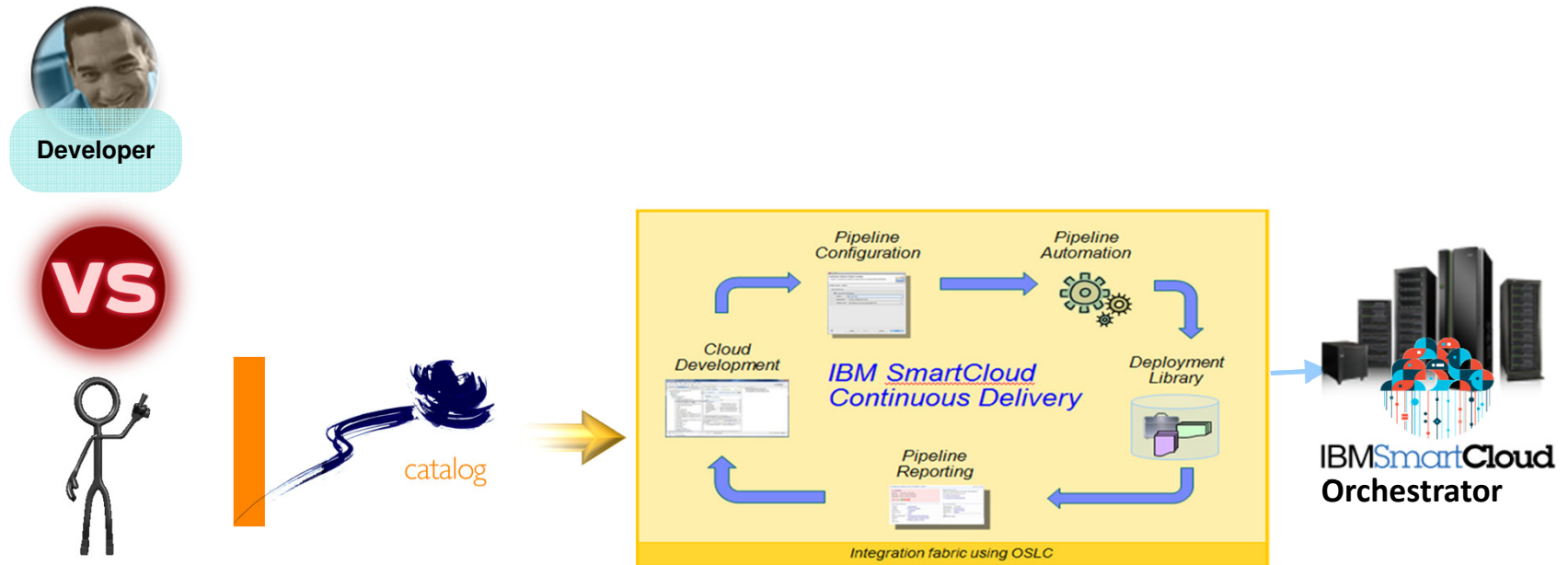


- Smart Cloud Orchestrator
 - **automates** deployment and lifecycle management
 - reusable workload patterns
 - works with SmartCloud Continuous Delivery

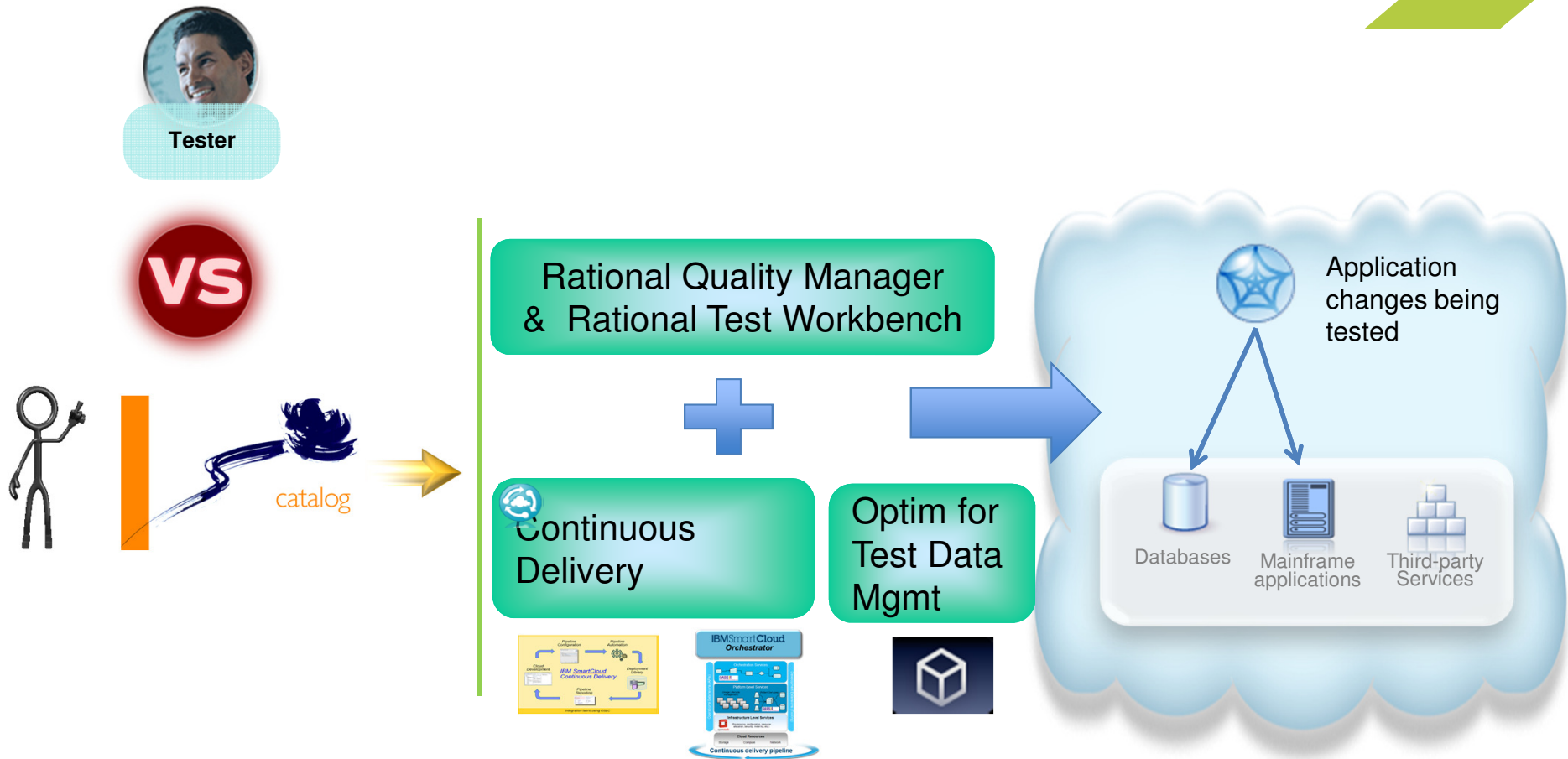
Step 2: automating the application (and data) set-up



- Any application build, packaging and release is fully **automated**
- Iterative and frequent deployments using repeatable and reliable processes
- Govern and control flow of changes with gates and approvals
- Automate promotion of changes to achieve continuous delivery

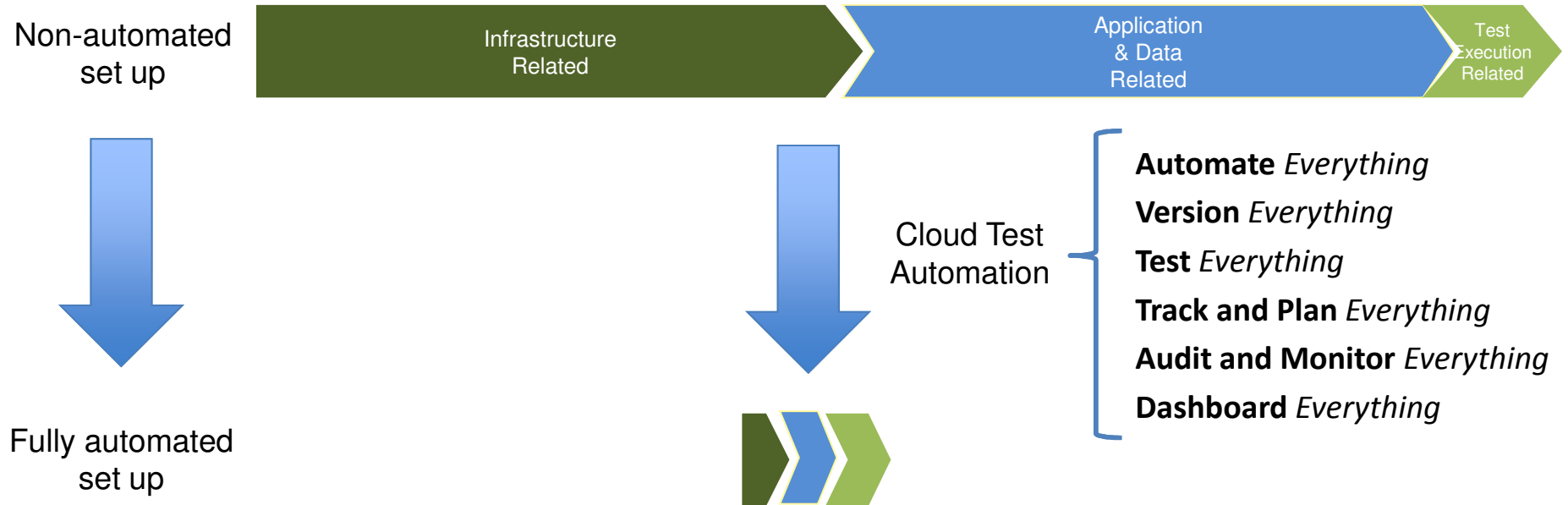


Step 3: automating the execution of the (regression) tests



- **Automate** setup, management and execution of test cases
- Management of the overall test execution

Cloud Test Automation: reduce elapsed time and cost while increasing quality

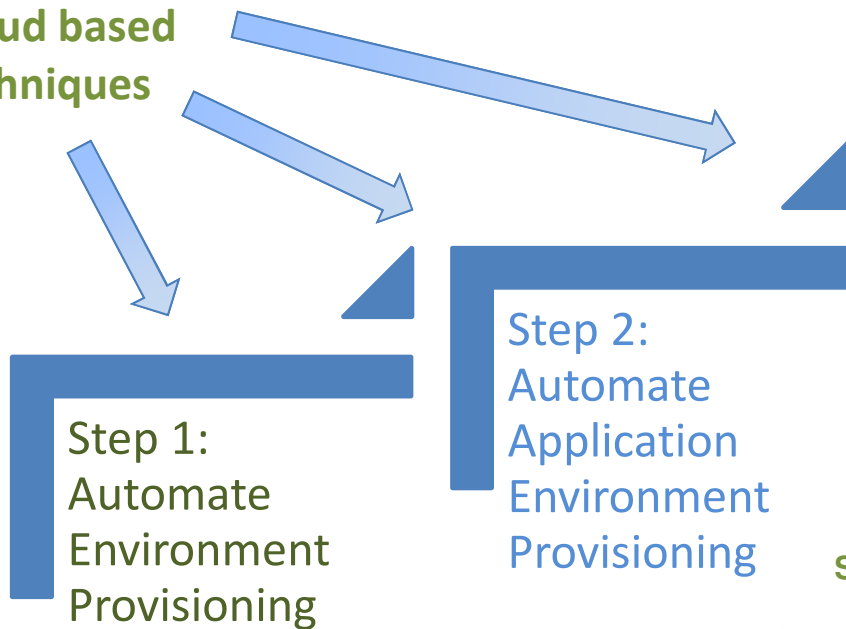


Automation

Cloud Test Automation: shortening the time-to-test



Cloud based techniques



Testing at the 'flick of a switch'

Repetitive & error prone application & environment set-up & testing

Solutions aligned via the DevOps reference architecture

