

Deploying Code



David Liu

SALESFORCE TECHNICAL ARCHITECT

@dvdkliu sfdc99.com



Overview



Deployment overview

- What is deployment?
- Why a deployment process exists
- Requirements to deploy
- Deployment best practices

What happens during deployment?

Deployment methods

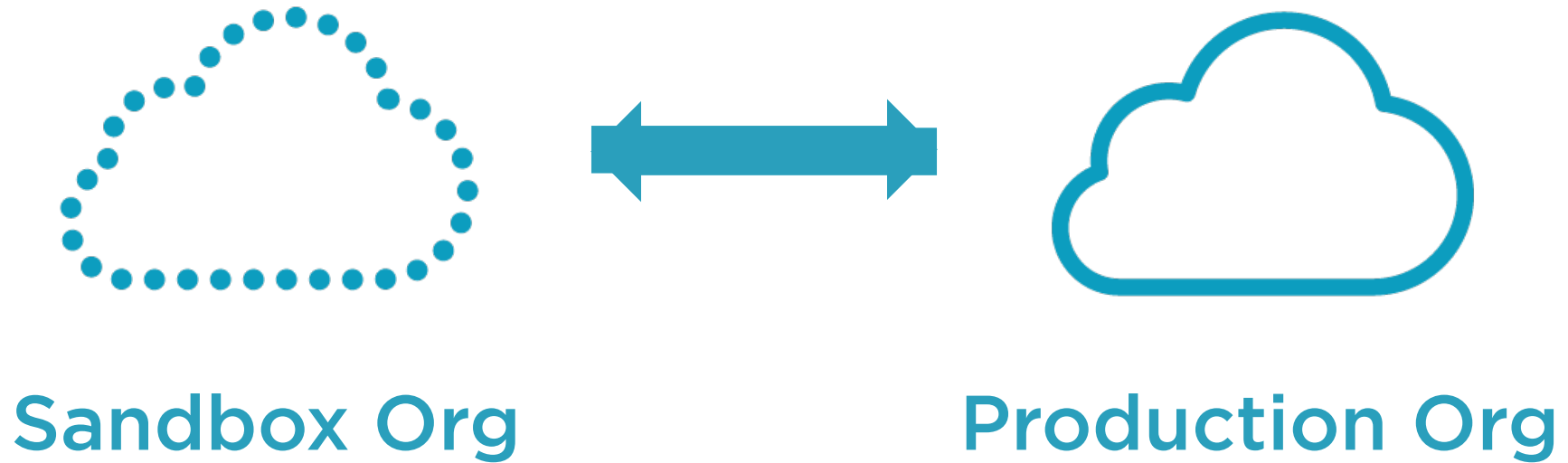
Demo: deploy triggers



Deployment Overview



What Is Deployment?



What Can Be Deployed?



Code



Custom Objects &
Fields



Validation Rules



Page Layouts



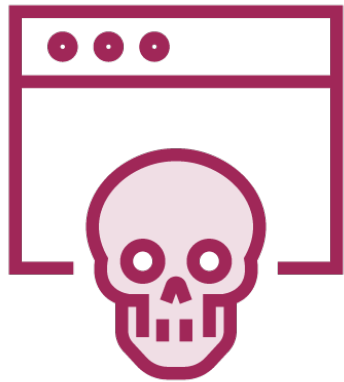
Dashboards & Reports



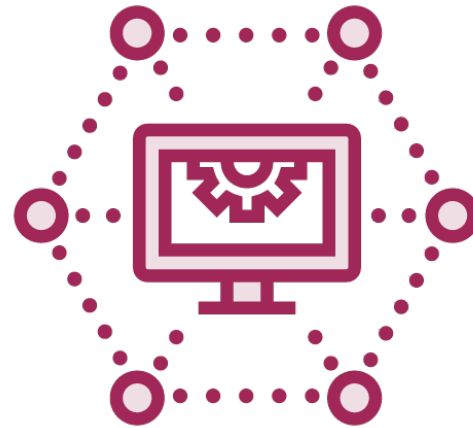
Workflow Rules
Process Builder



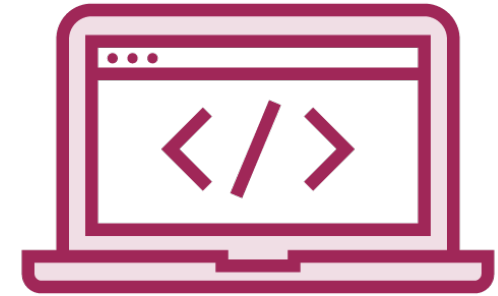
Why Not Just Do Everything in Production?



Test changes in
a safe
environment

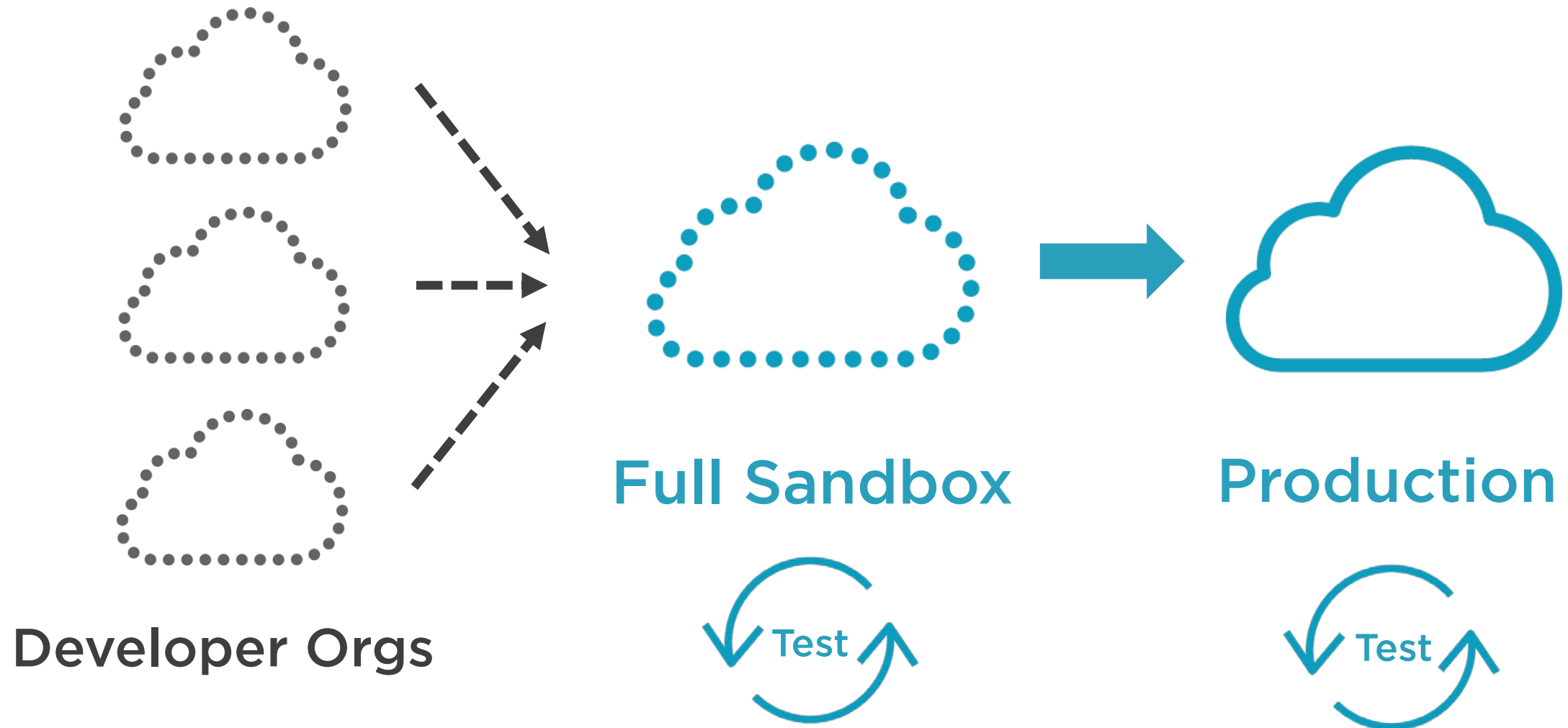


Deploy many
components at
once



Code **MUST** be
deployed

Deployment Best Practices



Requirements for Deployment

75%

Lines of code that must
be executed by test
classes

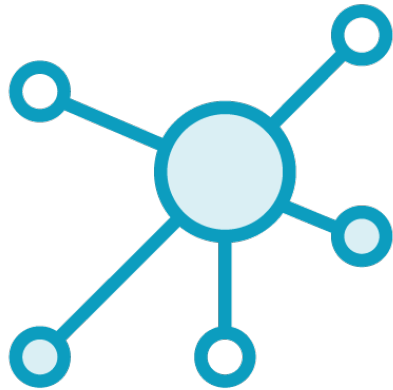


All assertions
must pass

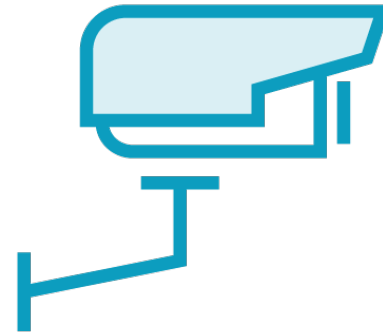
What Happens During Deployment?



Choose the
components to
be deployed



Check for
missing
dependencies



Run all Apex
test classes



Return Results
[Deploy]

Deployment Methods



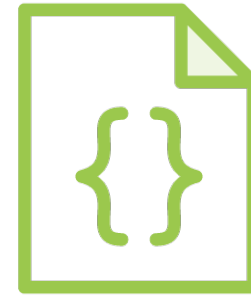
Change Sets

Point and Click



Coding Editor

MavensMate
Force.com IDE

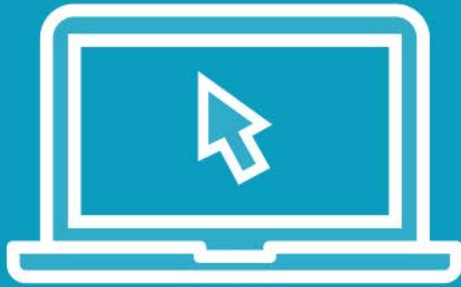


Programmatic

Ant Migration Tool
SOAP API



Demo



MavensMate Deployment

Deploy the following triggers:

- HelloWorld
- AppleWatch

Required test classes:

- HelloWorldTest
- AppleWatchTest



Summary



Deployment overview

- Moving components between orgs
- Test changes in a safe environment
- Code MUST be deployed
- 75% code coverage across all code

Deployment methods

Demo: deployed course code



Congratulations!

