



Siebel Test Automation

Productivity with Siebel Test Automation - Now Enabled for CI/CD

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Safe harbor statement



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Siebel Test Automation

A framework to test OpenUI implementation

- Supports all Siebel apps, Webtools

Built using Keyword-driven methodology

- Stack using Selenium, Appium

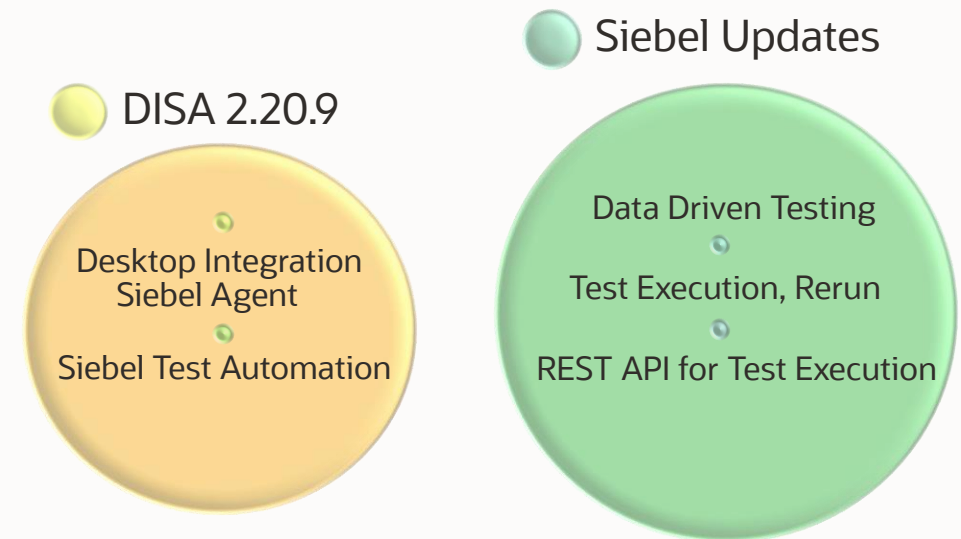
Provides ability to Record/Playback Functional test scripts, leveraging Usage Pattern Tracking (UPT) for recording

- Supports script parameterization, verifications and data-driven testing

Includes Test Execution Framework for Lights-out runs

- Jenkins plug-in (STE) for batch runs
- REST API to automate CI/CD tasks
- Supports Desktop Browsers, Mobile, REST API, CLI

Includes Test Management



Siebel Test Automation Usage

To Test

- OpenUI implementation
- New/Changed UI/Task Flows
- New/Changed Data Inputs
- Desktop Browsers
- Mobile, Tablets
- Platform/Database Updates
- OCI deployment
- Different User roles
- Language deployment

Test Stages

- Unit Testing
- Integration Testing
- System Testing
- Sanity / Smoke Testing
- UAT
- Staging

Who Benefits

- New Customers
- Customers upgrading to 20.x
- Customers on 18.x, 19.x, 20.x
- Business Users
- System Integrators
- Development/QA team
- Automation Engineers
- Dev Ops Engineers

In general, for broader functional, lifecycle scope and team coverage

Over 11000 Test Scripts, 3 Runs a month, ~90% P2P, Monthly Update Releases

Functional, Regression, Certification Testing

Journey began with a few 100s from IP2016, Test Automation productized in IP2017, Monthly Update Releases from 2018, Scaled to double in 2019/20

Equivalent of ~400 persons days / run

Highly effective for Integration and System testing, Regression and Certification

Across Siebel Apps for Desktop browsers, Mobile, Tablets and Platform/Database coverage

Framework extended to non-windows support, REST API testing for Cloud Native initiative and Digital Experience for Communications



“Trust, but Test! in Agile development, let’s build what customers and us, both need and can use. If not used, its not proven, probably not useful”

George Jacob
GVP Siebel CRM

Key Benefits

Over 70% lower
TCO than
conventional UI
automation

Intuitive & Robust

- Proven - used to test the Siebel CRM product
- Continuous Monthly Updates
- Easier to develop Test Scripts
- Concise, easy to understand
- Easy to modify and maintain
- Reusable, Scalable, Robust
- Data Driven Testing
- Early Stage Testing
- Comprehensive UI coverage

Flexible & Standards Based

- Platform Independent
- Desktop Browsers and Mobile
- Non-ENU Support
- Industry Standard Tools – Selenium, Appium, REST Assured, Jenkins
- REST API enabled framework
- Comprehensive result logs
- Unit and Lights-out runs

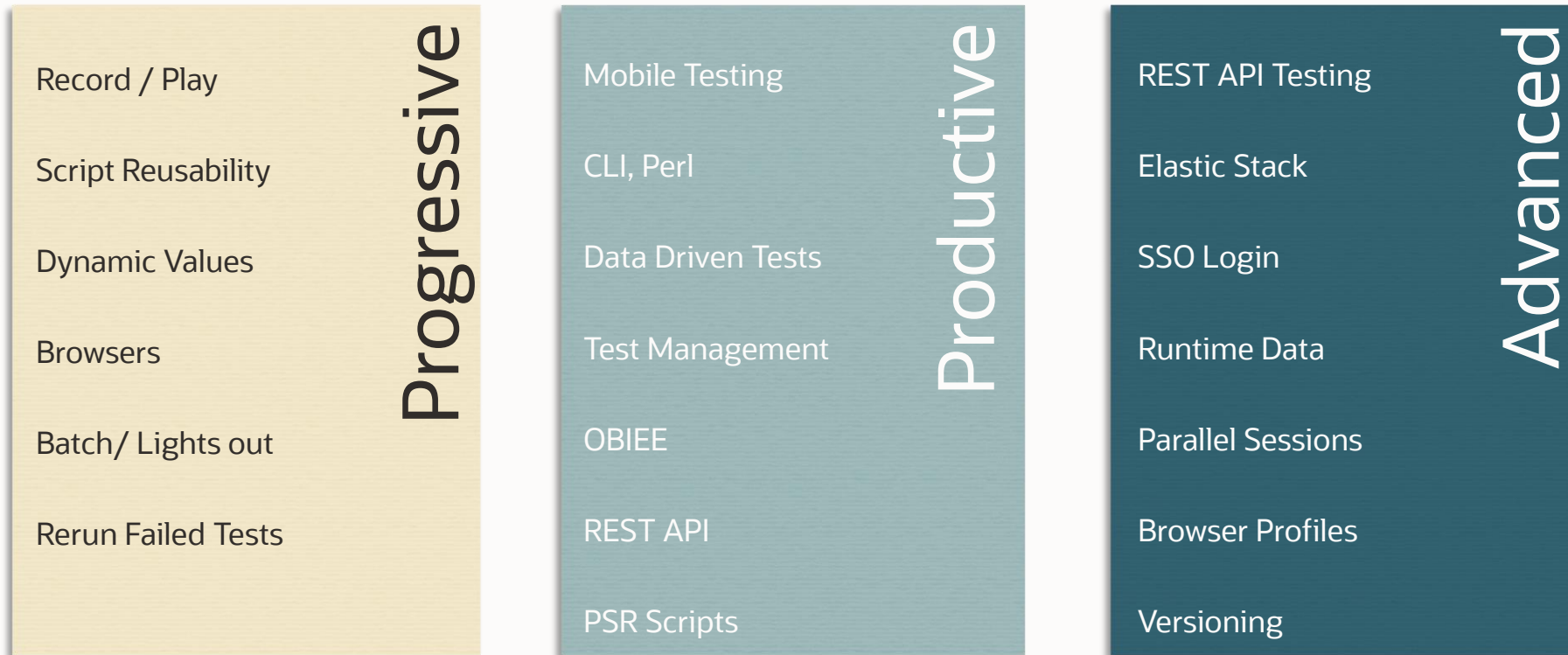
Reduce TCO

- No additional license costs
- No framework development
- No framework maintenance
- Not limited to Automation
- Not sensitive to UX/Layout changes
- Not susceptible to RT changes

Keeping in tune with Industry Standard Frameworks, Tools and Best Practices

Siebel Test Automation Features

New Features from 20.9, enabled by Seamless Repository Upgrade and NEO



Agility

Poll: Which features would be most valuable to you for Test Automation?

—

- Data-driven
- REST API Testing
- Mobile Testing
- Parallel Sessions on same client
- SSO Support
- Dashboards

Record / Play

Script Reusability

Dynamic Values

Browsers

Batch/ Lights out

Rerun Failed Tests

Progressive

Mobile Testing

CLI, Perl

Data Driven Tests

Test Management

OBIEE

REST API

PSR Scripts

Productive

REST API Testing

Elastic Stack

SSO Login

Runtime Data

Parallel Sessions

Browser Profiles

Versioning

Advanced

Poll:

How far have you progressed in your Test Automation journey?

What is your current test automation coverage?

Which Tools are you invested in?

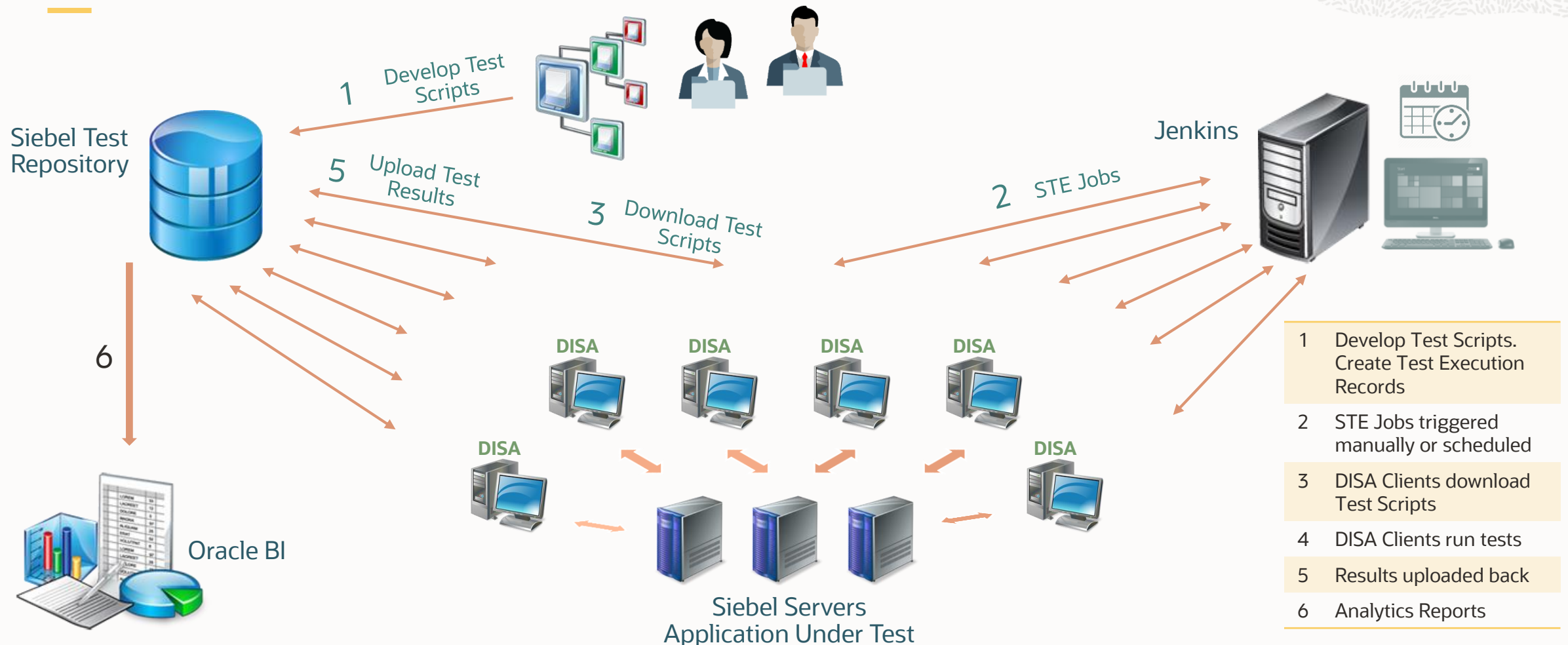
Selenium

Cucumber

QTP

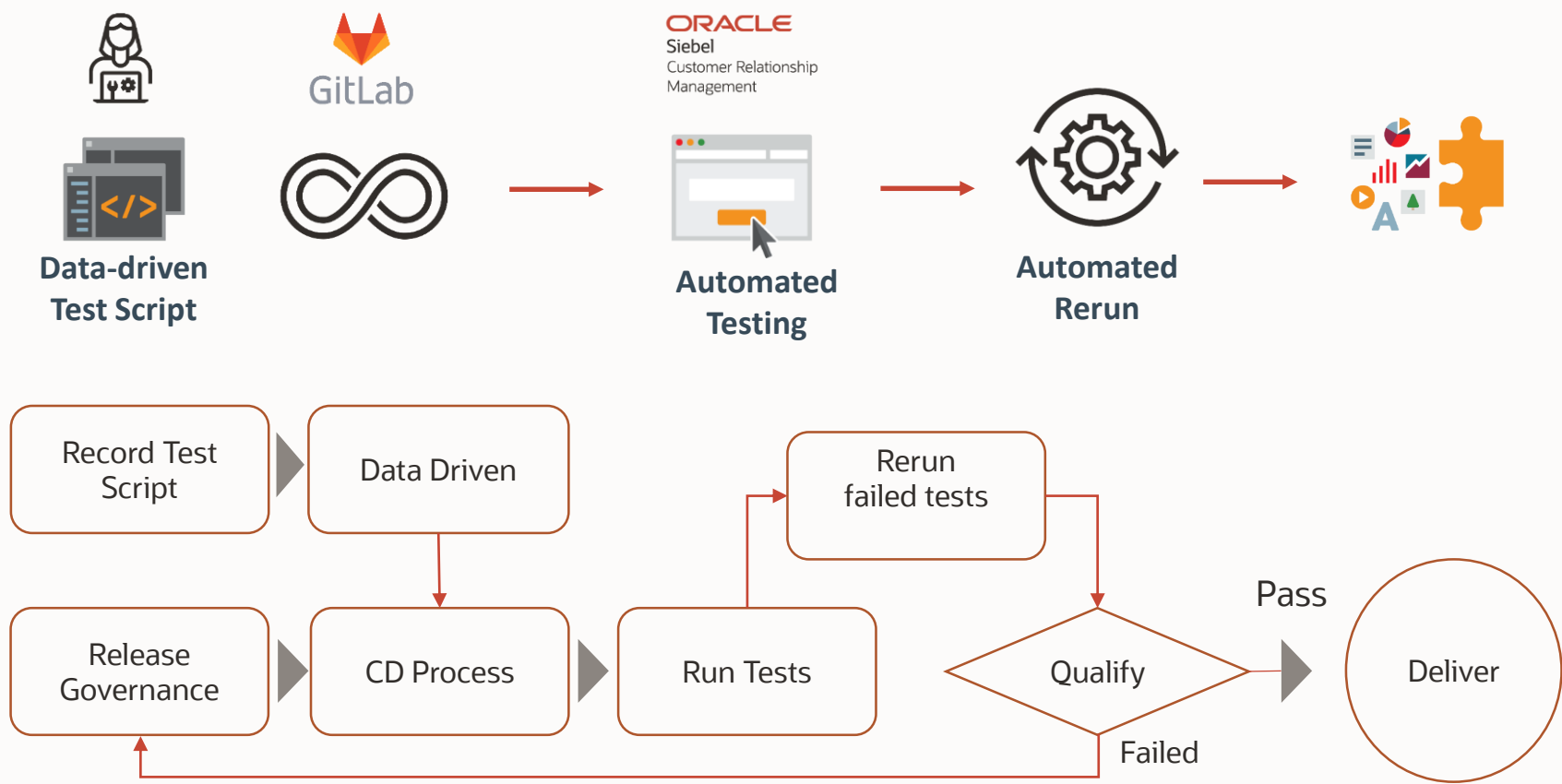
Other

Siebel Automation Topology



Demonstration

End to End Flow



Best Practices



Small groups
of Tests



CLI, REST
for complex
logic



Small to
medium length
scripts



Implicit and
minimal
verifications



Common set of
Base data



Data-driven

Functional
Flows

Combinatorial

Structured

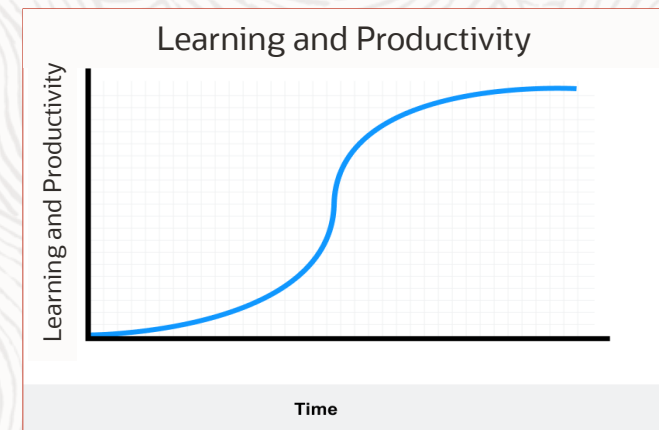
Reviewability

Maintainability

Poll:

How much of your Test Automation is (or can be) addressed by Siebel Test Automation?

- Up to 25%
- Up to 50%
- Up to 75%
- Over 75%



Key Takeaways

- 1 Save Costs** Proven test automation suite OOTB, save money on other solutions, reduce TCO
- 2 Intuitive & Flexible** Key benefits for all type of users, simple to use, highly flexible and adaptable
- 3 Agile** Continuously updated via Monthly Updates, weave into automated CI/CD process for maximum impact and ROI



Thanks!

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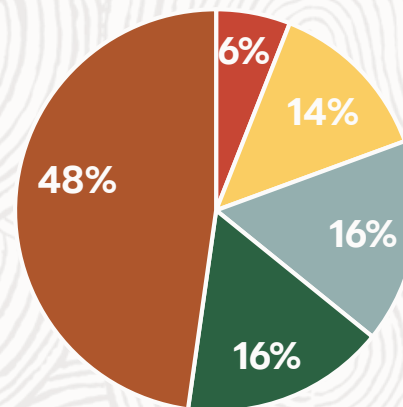
📄 blogs.oracle.com/siebelcrm



ORACLE

Poll Result: Are you using Siebel Test Automation?

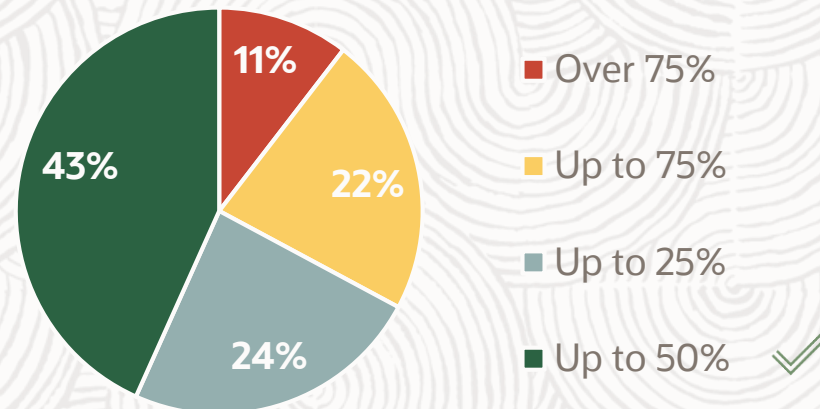
Using regularly
Using other solutions
Evaluating
Started recently
Planning to evaluate/use



- Using Regularly
- Using other solutions
- Evaluating
- Started recently
- Planning to evaluate/use ✓✓

Poll Result: How much of you Test Automation is or can be addressed by Siebel Test Automation?

Over 75%
Up to 75%
Up to 50%
Up to 25%



Poll Result: Which features would be most valuable to you for Test Automation?

Data-driven
REST API Testing
Mobile Testing
Parallel Sessions on same client
SSO Support
Dashboards

Record / Play
Script Reusability
Dynamic Values
Browsers
Batch/ Lights out
Rerun Failed Tests

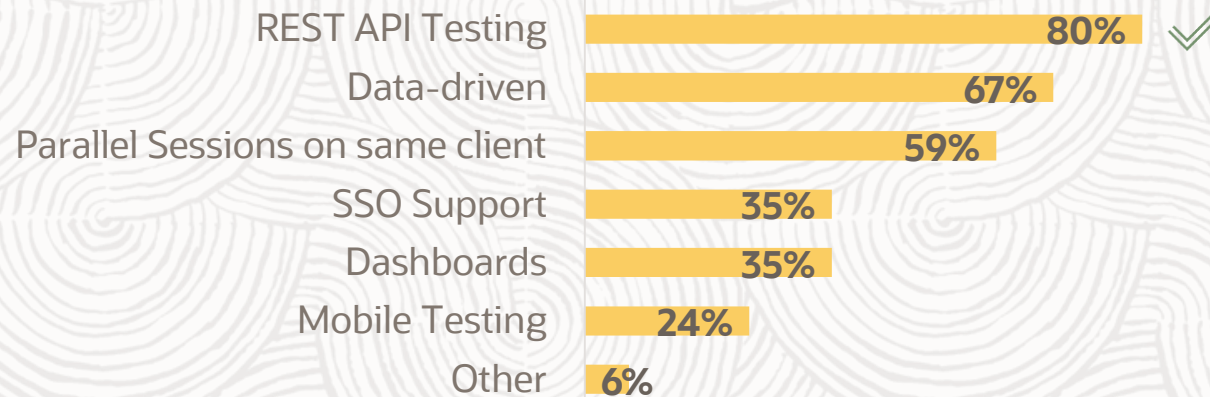
Progressive

Mobile Testing
CLI, Perl
Data Driven Tests
Test Management
OBIEE
REST API
PSR Scripts

Productive

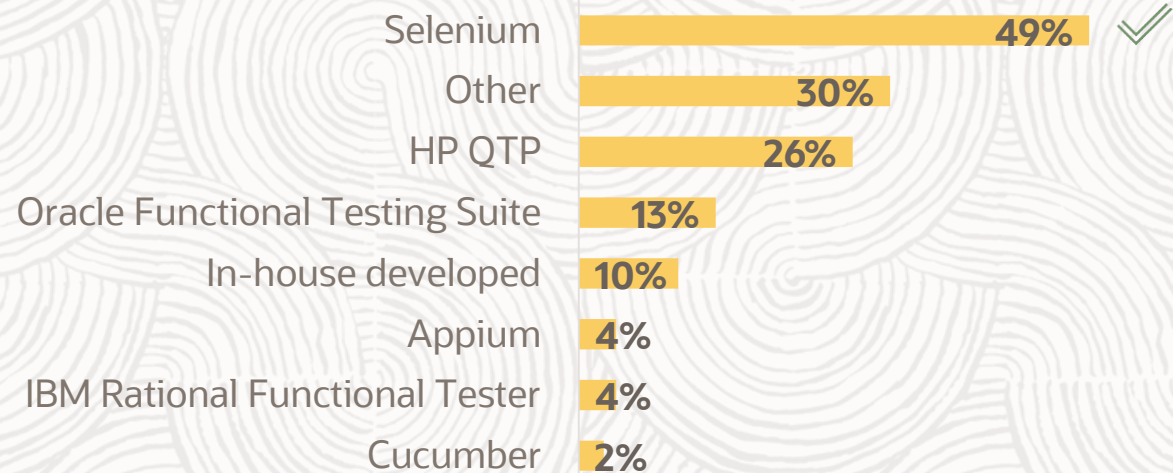
REST API Testing
Elastic Stack
SSO Login
Runtime Data
Parallel Sessions
Browser Profiles
Versioning

Advanced



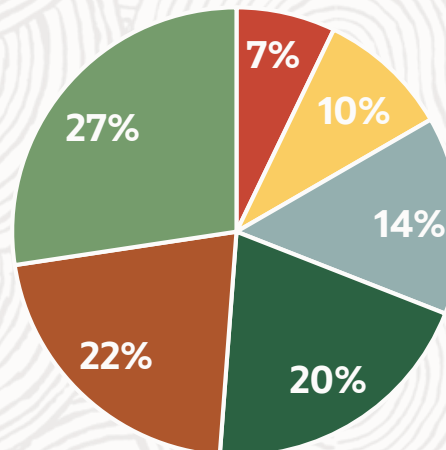
Poll Result: Which Tools are you invested in?

Selenium
Cucumber
QTP
Other



Poll Result: What is your current test automation coverage?

>80%
60-80%
40-60%
20-40%
<20%
Yet to start



■ > 80%
■ 60 - 80%
■ 20 - 40%
■ 40 - 60%
■ < 20%
■ Yet to start ✓

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Siebel CRM transformation

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