

# Test Automation Quick Start Overview

*Onboarding, Timeline, Workshop Prerequisites*

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# Automation Onboarding

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## Purpose of This Document

When beginning an automation engagement with Applause, it is important that your team and the Applause team are set up for success. For this reason, Applause has developed a comprehensive onboarding process that will prepare the collective team to be ready on day one to maximize the impact of the engagement.

This document will outline that onboarding process, including team structure, timelines, access requirements, reporting and general information required to enable a successful automation engagement.

## Onboarding Overview

Onboarding begins at the time an agreement is executed and is typically an ongoing effort that extends through the completion of the first automation project. It will be fully managed by an Applause Project Manager (PM) and in most cases this first project will be an automation Quick Start taking approximately 6 weeks from the time the Quick Start workshop is held.

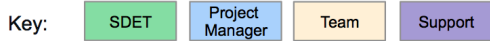
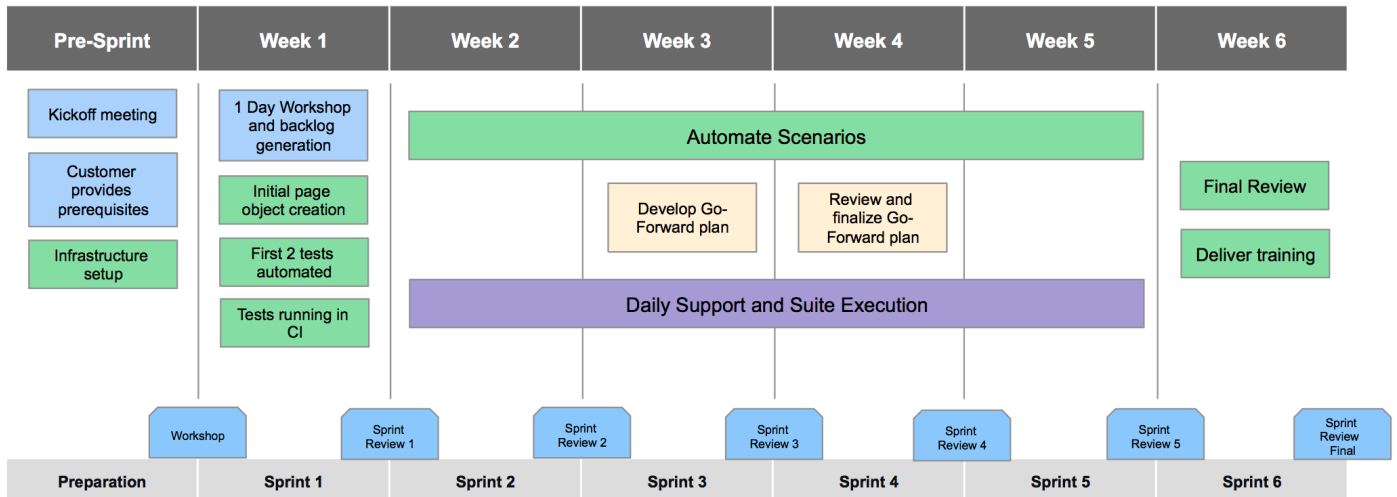
The Quick Start is a sprint-based program that has three basic goals:

1. Implement the Applause Automation Solution and integrate with your infrastructure
2. Develop and deploy a Build Verification Test suite tied to a continuous integration process
3. Enable your team to take ownership of the solution, either in full or in concert with Applause

To make sure we can meet these goals, our onboarding process includes a period of time before the workshop where both teams work together to gather required resources. This gets the Quick Start off on the right foot and helps to ensure a successful workshop session.

During this pre-project period, the collective team will establish the project timeline, project team, workshop dates and any prerequisites based on your unique situation.

Upon completion of the prerequisites, the team will convene for the workshop and the Quick Start will begin. Unless otherwise determined by the project team, the Quick Start Timeline will follow the schedule below.



As is called out in the timeline, if all pre-requisites have been completed before the workshop, then access to the systems will have been completed, the initial infrastructure will be in place, and Applause expects to have automation running against your application within the first sprint.

During the remaining 5-weekly sprints, we will grow the build verification testing (BVT) suite, move the infrastructure to its final configuration, and train your team on how to take ownership of the solution and BVT suite long-term.

The remainder of this document will focus on the details that enable the above, including:

- Prerequisites
- Communication mechanisms
- Team profile
- Detailed description of the major events in the Quick Start

## Onboarding Details

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### Kickoff Meeting

The Applause project team will hold a Kickoff meeting that will cover:

- Introduce team and contacts – Sales, SE, PM and Lead SDET
- Next level discussion on test strategy, existing infrastructure, and your goals
- Review entitlements
- Introduce sprint-based timeline
- Discuss prerequisites needed for a successful kickoff
- Refine sprint-based timeline and assign owners
- Establish date for Workshop

### Prerequisites for Workshop

The success of the workshop will depend on the following items being setup, configured, or shared between the teams prior to the start of the project. The workshop date will be set based on when the below items are expected to be in place.

### Access to Test Environments and Interfaces

#### Build Location

Location(s) where Applause can pick up your new builds. If stored in an internal location, you can either:

- Provide the Lead SDET access
- Provide the builds to the Lead SDET via a 3rd party (e.g. AWS S3)
- For Mobile Web or Web, provide an explanation of how access will be enabled

What is your expected build release cadence? \_\_\_\_\_

Define your testing environment: **staging**, **production** or **preview** server? \_\_\_\_\_

#### Builds or Web Access

To begin the automation efforts, we will need an up-to-date version of your build.

- For an iOS application, provide an .ipa with a *development certificate*
- For an Android application, provide an .apk
- For Mobile Web or Web, provide a URL that is accessible outside of your firewall directly, with proxy or login

#### Credentials for Testing

A stable or predictable set of credentials to the above interfaces will be required. They need to be accessible from remote locations and may be used by multiple people or automation scripts

### Test Cases/Scenarios

To begin the automation efforts, **we will need your prioritized test cases**. Please provide test cases for this engagement as an attachment. If you do not currently have any test cases, we will work with you to write scenarios. Please provide an outline of your top high level use cases.

### Automation Infrastructure

Applause will initially host the automation infrastructure on our cloud environments. This will enable automation to be deployed starting with the workshop and to avoid IT or infosec type hurdles. Over the course of the project sprints, the infrastructure can either stay on the Applause cloud or move to a mutually agreed upon infrastructure. The following components will be set up before the kickoff:

- Jenkins CI configuration
- Github repo
- Set up of JIRA project
- Configure device lab
- Create Slack channels
- Initiate customer dashboard

#### Required for Code Repo Access

Applause can provide some of your developers with access to the Github instance set up for your application. Please provide a list of team members who need access.

Name	Email	Github Username

#### Required for Automation Dashboard Access and Slack Communication

Applause can provide main contacts access to your Automation Dashboard to view test run history, bug data, and basic job management.

If your developers should be involved in the automation process, we currently use #Slack as a persistent chat room for technical communication. We will invite them to a chat room dedicated to you.

Please provide a list of team member names and email addresses. Indicate the communication method each person should be included on.

Name	Email	Status Email	Weekly Meeting	Slack Room	Automation Dashboard
<b>First Last</b>	<b>a@b.com</b>	Y or N	Y or N	Y or N	Y or N

### Workshop

Prior to the workshop, prerequisite deliverables should be made available to the Applause team.

The Applause Lead SDET will conduct a 1-day workshop - this may be onsite or split into two 3-4 hour meetings across two days if it's done remotely. The agenda and deliverables are listed below:

- Customer: Walk Lead SDET and PM through the application’s high-level architecture

- Highlight all data flows through the application to backed services or persistence layers
- Call out any 3rd party dependencies
- Indicate debug settings for testing
- Review any backing APIs that we can call to assist in setting up preconditions for tests
- Customer: Walk Lead SDET and PM through key user configurations
  - Highlight browser and device usage statistics so Applause can focus on top two highest priority configurations
- Lead SDET: Present and review the application's testability
  - Highlight any areas of concern or added complexity
  - Indicate any data requirements needed for testing
  - Review any support issues we will have running in the lab
- Lead SDET: Review weekly sprint cycle
  - Sprint planning: scoping, sizing, backlog prioritization, sprint backlog, customer review
  - Standups, demo & retrospective, and maintenance
  - Review top test scenarios derived from customer's 10 high-level use cases
- Lead SDET: Live coding, configuration and execution example
  - For two scripts;
    - Create the Page Objects
    - Create the Helper Methods
    - Implement the Tests
    - Configure Job into Jenkins
    - Execute in Browser Lab or Device Lab
    - Show Results from the Run in Dashboard and explain

## Weekly Sprints

Sprints begin with the Workshop. The project will follow an agile methodology for backlog burndown over 1-week sprints. The PM will lead the project and the Lead SDET will support them.

Sprints include:

- Weekly Sprint Reviews - Run by PM
  - Meetings to sync on progress, align backlog prioritization and resolve open issues
- Weekly Status Reports
  - Backlog status and burndown information
  - Suite execution results and status
  - Contract status, including hours used
  - Major tasks or blockers
- Daily Support by Lead SDET
- Ongoing Backlog burndown and suite execution

Typical purpose of each sprint:

- Sprint 1 - Workshop Sprint (initial package setup, CI configuration, 2 scripts executing)
- Sprint 2 - Backlog burndown/execution
- Sprint 3 - Backlog burndown/execution and develop go forward plan
- Sprint 4 - Backlog burndown/execution and present go forward strategy to customer
- Sprint 4 to 6 - Backlog burndown/execution and develop SOW/Agreement
- Sprint 6 - Backlog burndown/execution, training and transition to go forward

## Go Forward Strategy

In Sprint 3, the Applause Team (Sales and Lead SDET) will create the go forward recommendation based on lessons learned and customer input throughout the engagement.

- Sprint 3 - Build strategy and explanation materials
- Sprint 4 - Present strategy to customer
- Sprint 4 to 6 - Build SOW and agreement