How to Migrate to SaaS

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Wednesday - May 3rd 2023
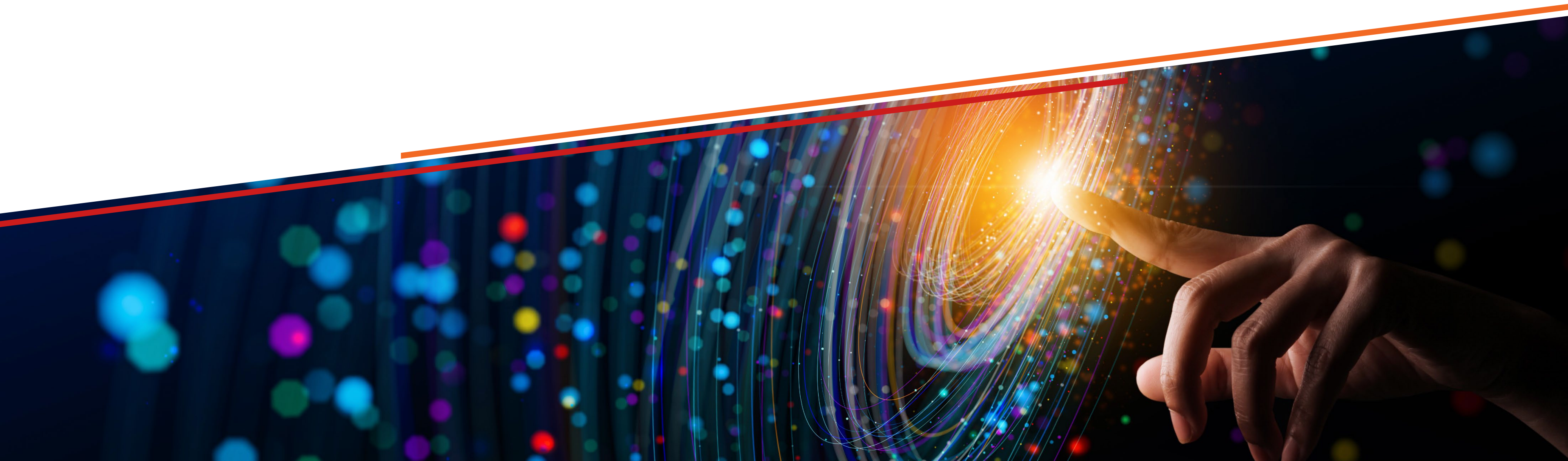
Summary

- **Overview**

- **Preparation**

- **SaaS Onboarding**

- **Existing Instance Discovery**

- **Journey by Phase**

- **Aras DevOps**
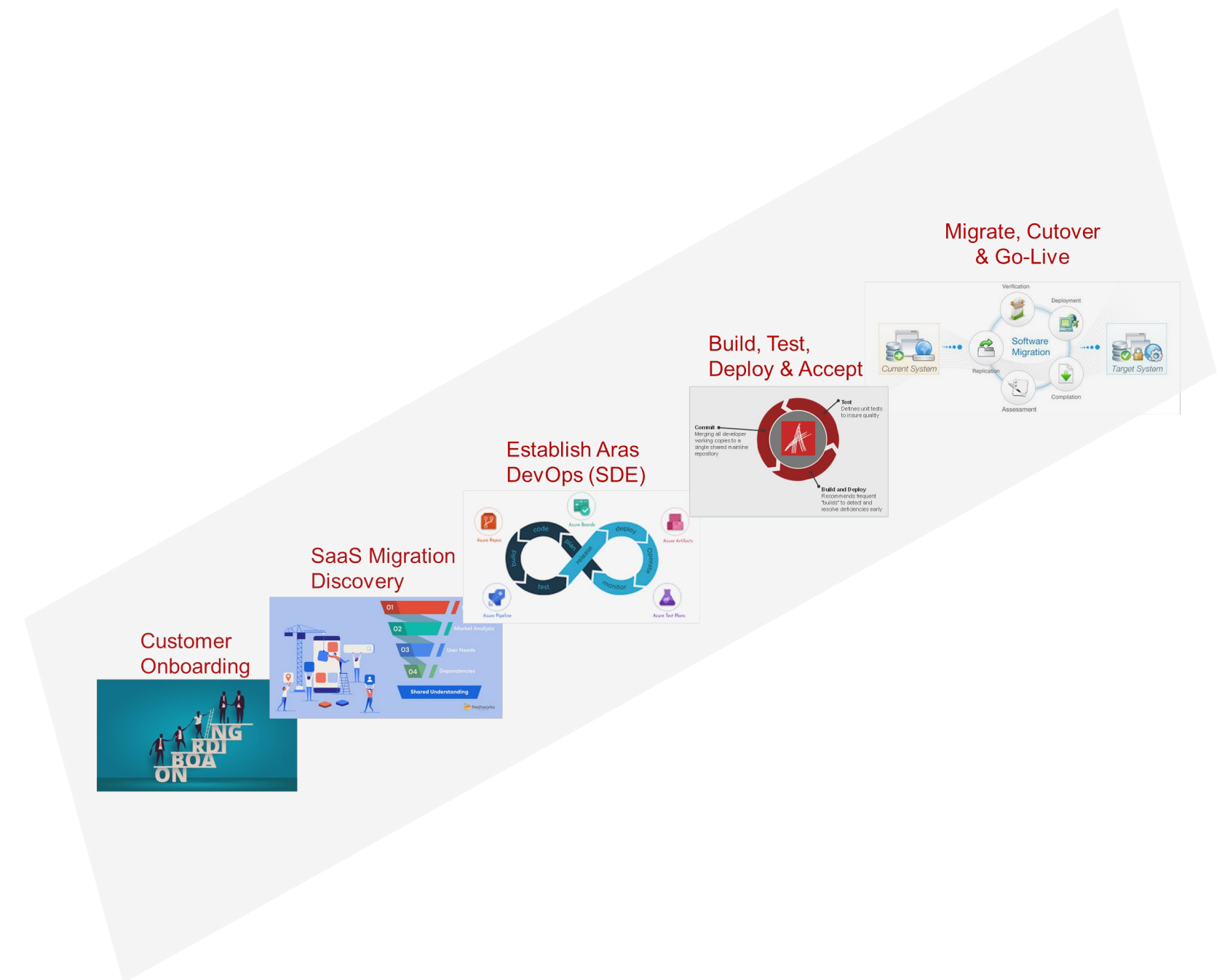
- **Aras SaaS Managed Services**

Migration Process

Overview

- **SaaS Onboarding**

- **SaaS Migration Discovery**

- **Aras DevOps**

- **Aras Innovator Instances**
  - Build, Configure, Test, & Deploy
  - Extend Access to Customer
  - Customer Test and Accept

- **Migrate**

- **Cut Over**

Migrating to Aras Enterprise SaaS

Preparation

- Formation of Core Team

- Detailed Infrastructure Diagram

- Site-to-Site VPN

- Points of Integration with Approach

- End-to-End Test Scripts

- Identify Sample Data

- Data Volumetrics

- Advance Questions

- etc.

Migrating to Aras Enterprise SaaS (cont.)

SaaS Onboarding

- SaaS Overview

- Essential Items

- What to Expect

- Shared Responsibilities

- Change Management (within SaaS)

- Support

Migrating to Aras Enterprise SaaS (cont.)

Existing Instance Discovery

- Current State
  - Version and Service Pack of Aras Innovator
  - Infrastructure
  - Systems Integrations
  - Connected / Dependent Activities
  - & More

- Future State
  - Migration Planning
  - Target Dates
  - CI/CD Configuration
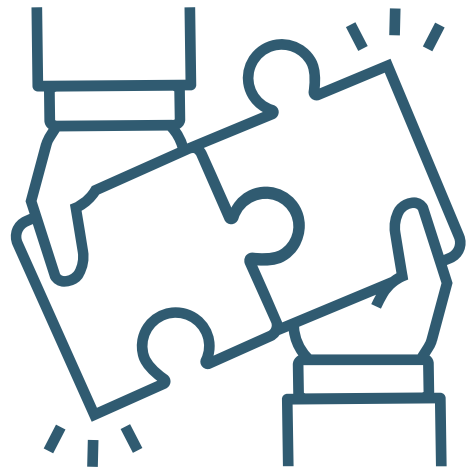 - Testing Assistance (example script)
  - More . . .
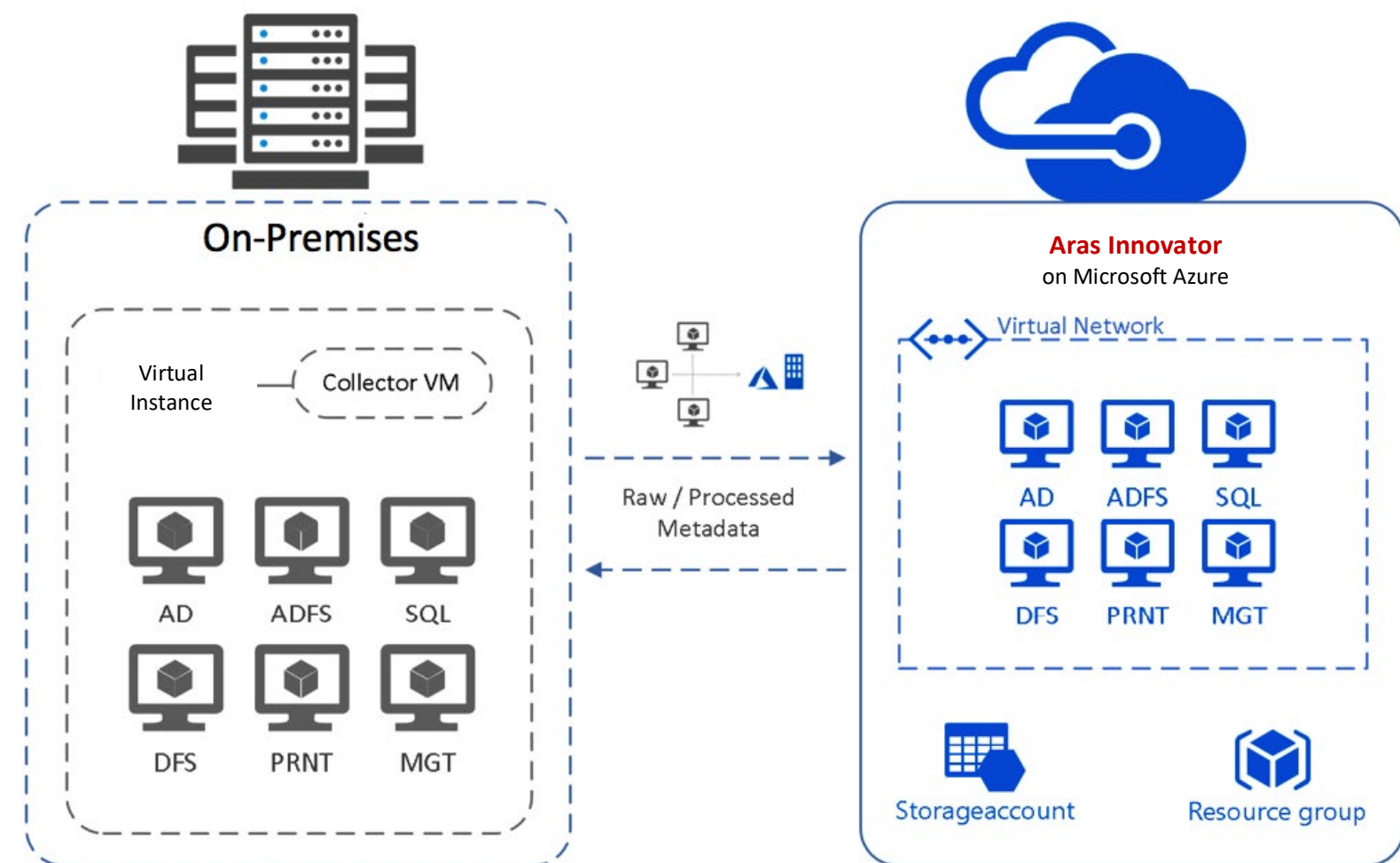
Migrating to Aras Enterprise SaaS (cont.)

Discovery Structure

- Multiple Sessions

- Field Guide Questions

  - Infrastructure

  - Integrations

  - Data Migration

  - Testing

  - Other

- Discovery Summary Document

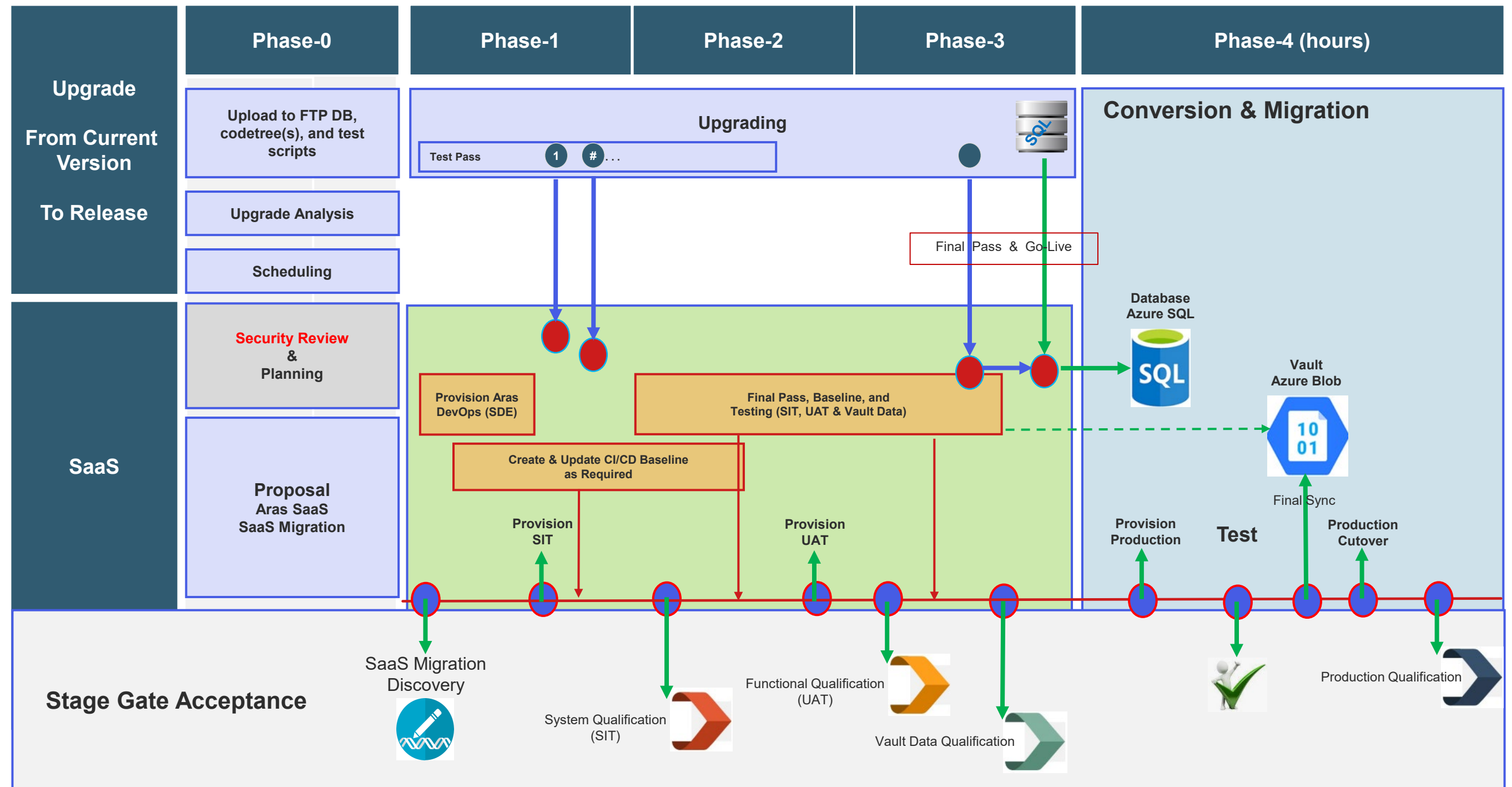EXCHANGE

COLLABORATION

COMMUNICATION

REACH GOALS

Migrating to Aras Enterprise SaaS (cont.)

Journey by Phase

Concurrent workstreams to optimize timeline

- Upgrade as-is version to the latest compatible version
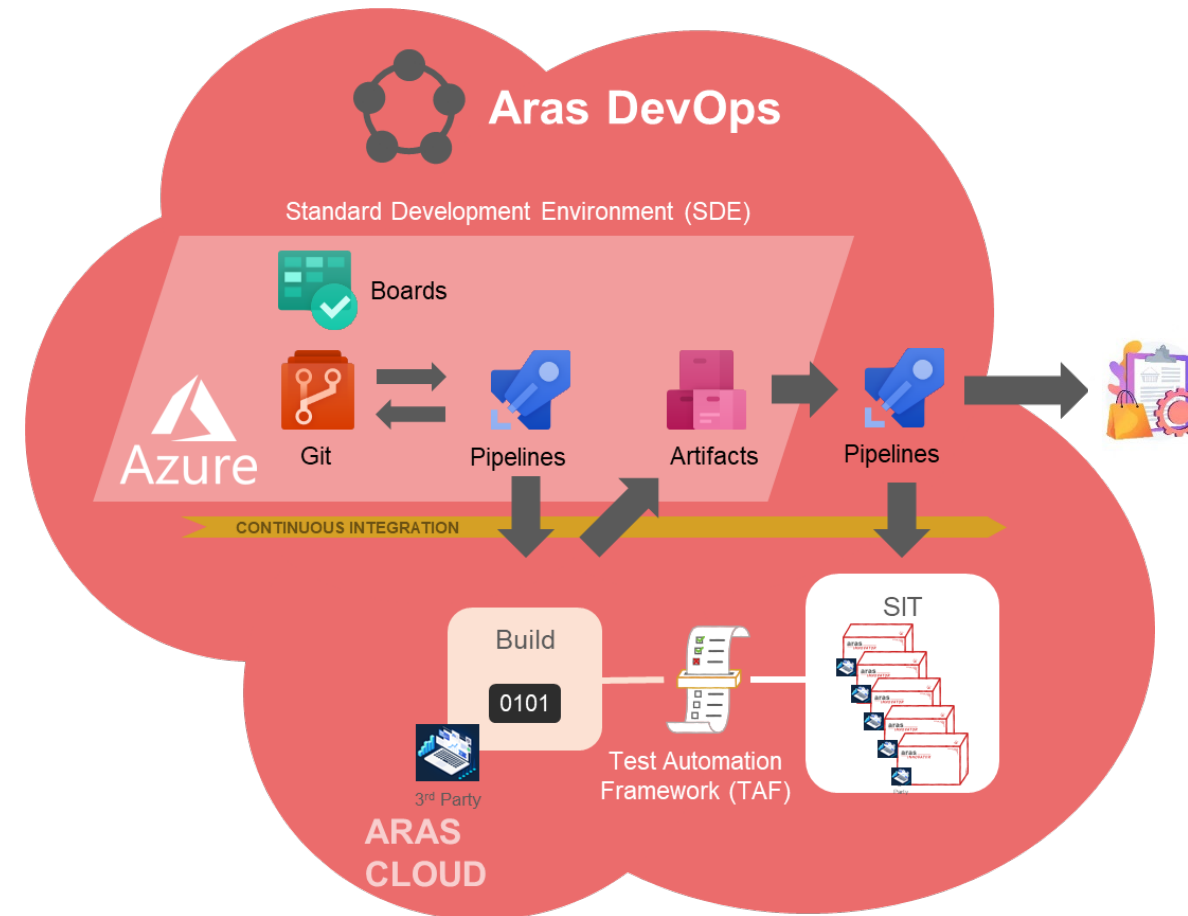
- Build new SaaS environment

Milestones

- ✓ System Qualification
- ✓ Functional Qualification
- ✓ Data Qualification
- ✓ Production Qualification

Migration Process (cont.)

Aras DevOps

Aras DevOps (SDE) is built on Microsoft's Azure DevOps, a Microsoft product providing version control, reporting, requirements management, project management, automated builds, testing and release management capabilities. It covers the entire application lifecycle and enables DevOps capabilities.

Aras DevOps (SDE) is set up in the Microsoft Azure Cloud and maintained by Aras.

- **Aras Cloud** environment for Continuous Integration (CI)
  - Set up and maintained by Aras
- Includes **Standard Development Environment** (SDE)
  - Environment to commit, build and test customizations of Aras
  - Build & SIT (QA) Environments
  - Tools, code template, and processes
- Includes **Test Automation Framework** (TAF)
  - Aras Innovator specific APIs layered on top of industry standard testing frameworks
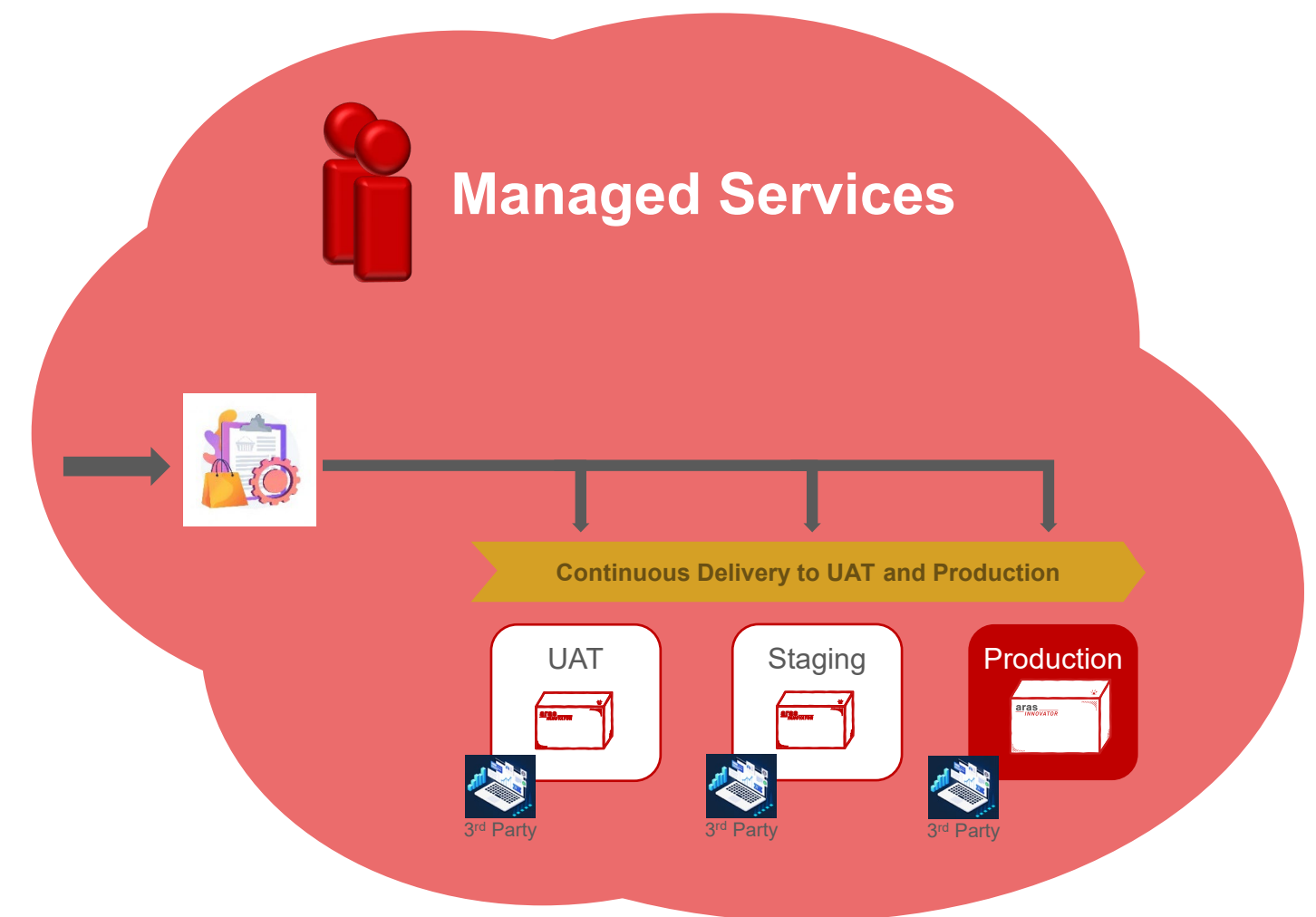- Supports several approaches to **Continuous Delivery** (CD)

- **Aras Innovator – SIT Instance**
  - Build, Config, Test, & Deploy
  - Integrations – Configure, Test, & Deploy
  - Testing of Vault Data Migration
  - Customer Testing & Acceptance

Migrating to Aras Enterprise SaaS (cont.)

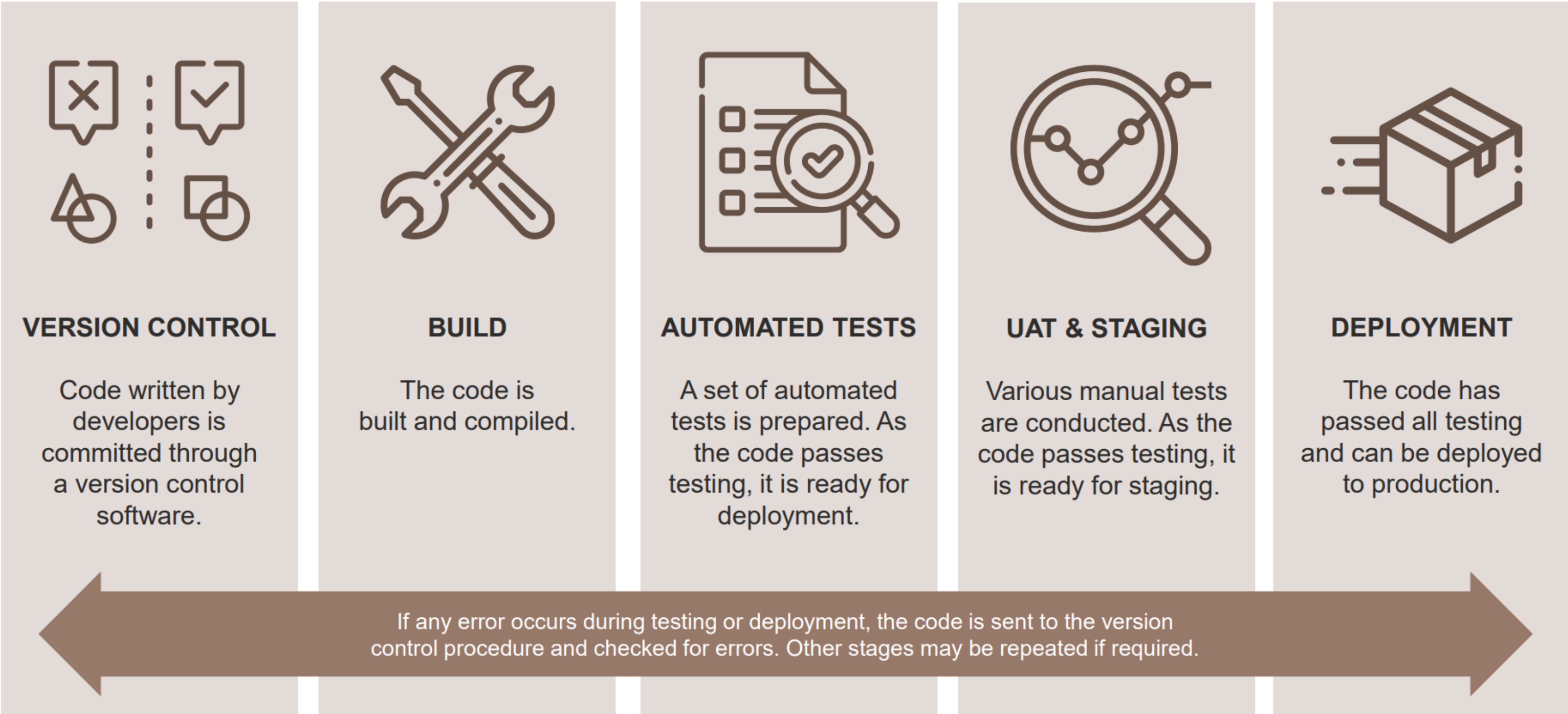**Provision & Deploy**

- User Acceptance Testing (UAT)

- Final Conversion

- Final Data Migration (delta / diff)

- Final Testing

- Production Cutover

Managed Services

Continuous Delivery to UAT and Production

UAT | Staging | Production

3rd Party | 3rd Party | 3rd Party

Migrating to Aras Enterprise SaaS (cont.)

Change Management

VERSION CONTROL	BUILD	AUTOMATED TESTS	UAT & STAGING	DEPLOYMENT
Code written by developers is committed through a version control software.	The code is built and compiled.	A set of automated tests is prepared. As the code passes testing, it is ready for deployment.	Various manual tests are conducted. As the code passes testing, it is ready for staging.	The code has passed all testing and can be deployed to production.

If any error occurs during testing or deployment, the code is sent to the version control procedure and checked for errors. Other stages may be repeated if required.

Migrating to Aras Enterprise SaaS (cont.)

- Migration Process

- Preparation & Onboarding

- Journey

- Structure of the Aras Cloud