

Release Engineering

A guideline for successful software release

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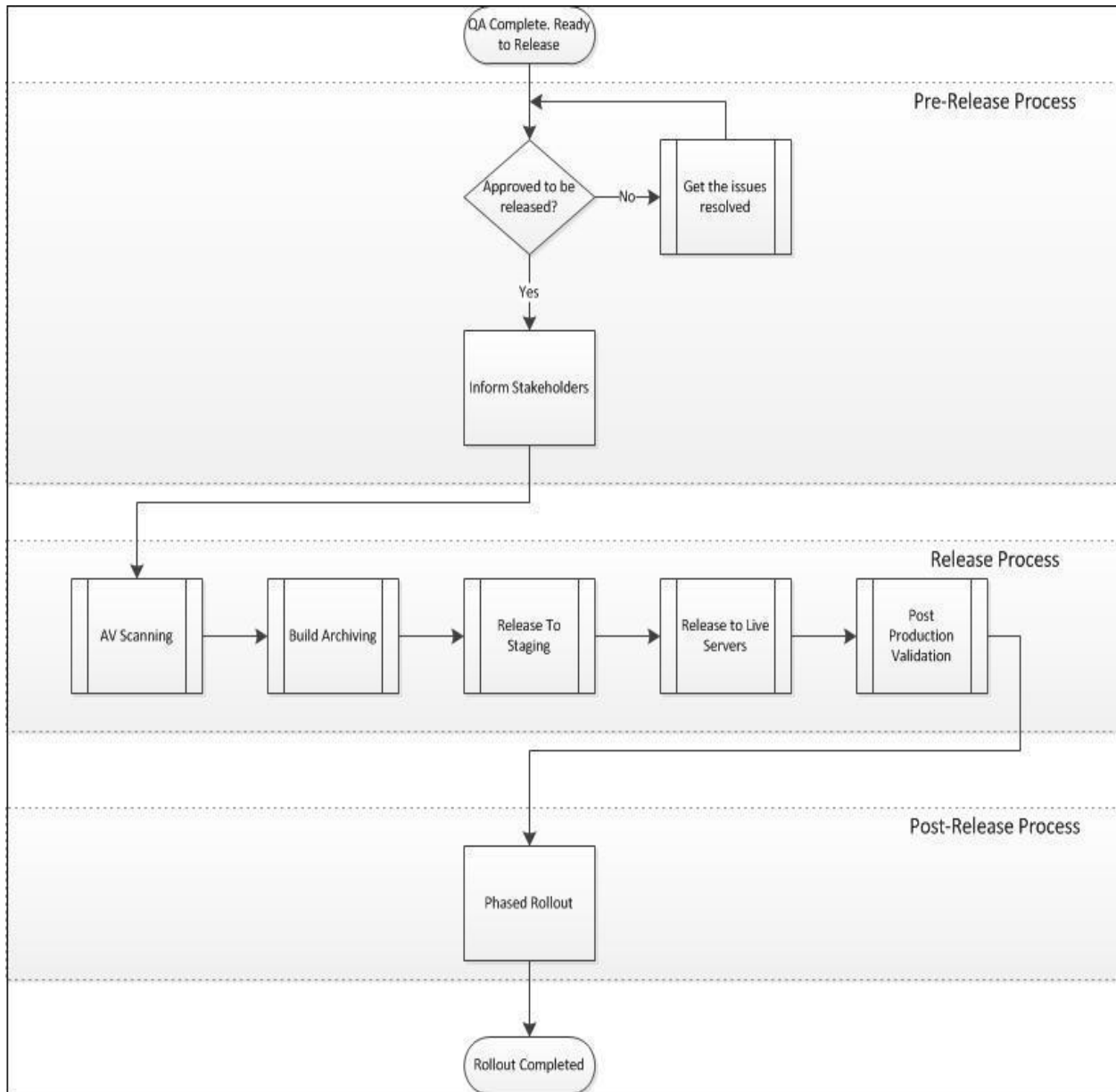
Introduction

- Release Engineering is all about releasing the software to the world.
- It covers the aspect of Software Deployment.
- It's a very critical stage of SDLC, especially in the SaaS world.
- Controlling the rollout of the software is also important.
- Release Engineer plays a key role.
- The paper is an effort to highlight the guidelines and the release flow.

The Process

- **Pre-Release Process** – Constitutes all the preparation to be done before releasing the software.
 - Team Approval – Involves recording team's (Engineering and management) approval to go ahead with the release (Go-No Go).
 - Inform the Stakeholders – Involves sending out a notification to all the concerned parties (Marketing, Sales, Support, and Partners/Customers).
- **Release Process** – Constitutes the actual release of the software to live servers.
 - AV Scanning – Scan the build to ensure no file is infected.
 - Build Archiving – Backup the previous build/version for future reference.
 - Release to Staging – Release to mini-production environment.
 - Release to Live Servers – Release the build to production servers.
 - Post-Production Validation – Post release validation from production.
- **Post-Release Process** – Involves the phased rollout process to control the availability of new version to customers in SaaS model.

Release Engineering Process – An Overview



Phased Rollout Process – An Illustration

