From Oversight To Ownership

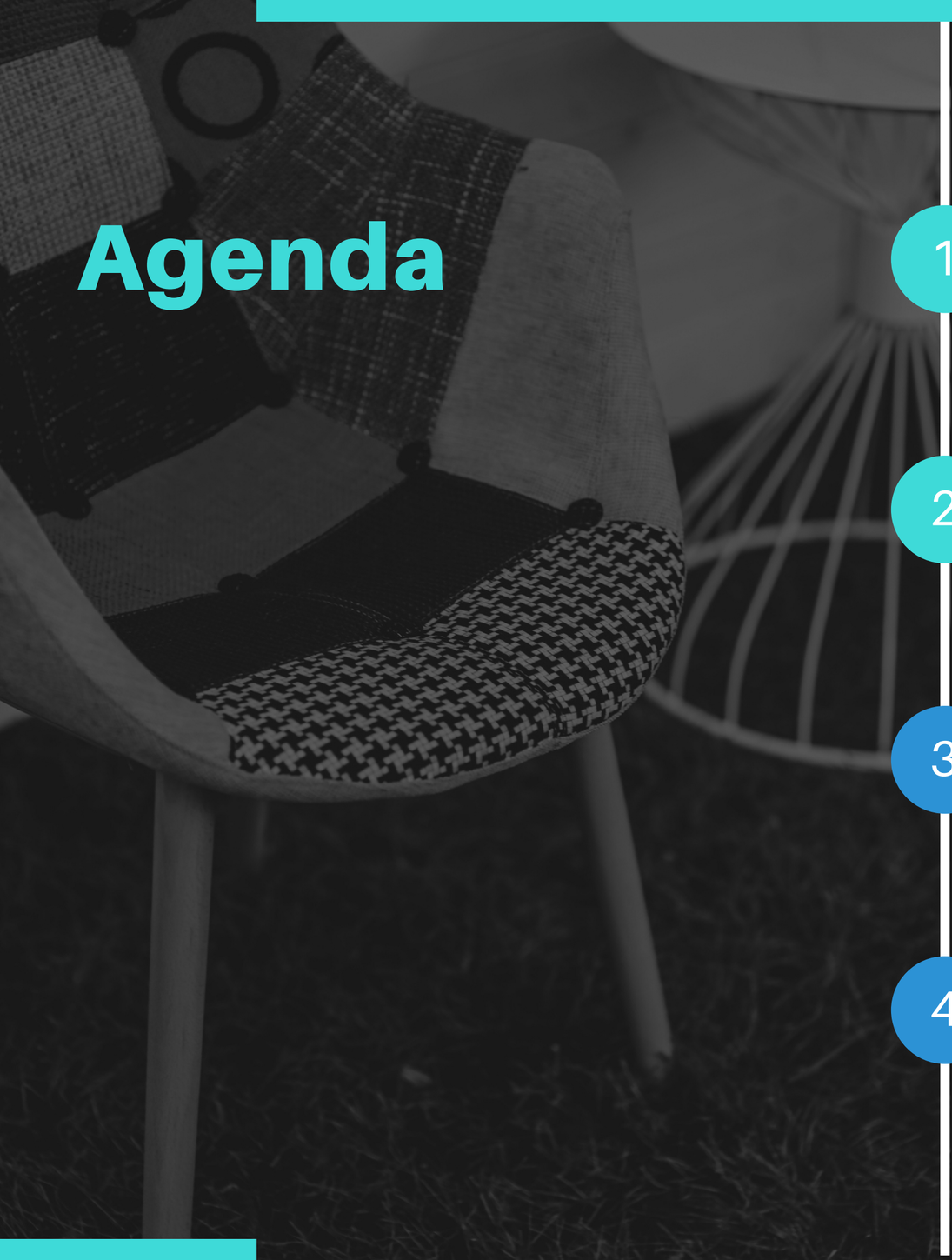
The Central Role of QA in trivago’s App Release Cycle

QA Meet Up 2024

About Me

- QA Engineer in Mobile Apps Team
- 3 years at trivago
- 4+ years of experience in Quality Assurance

Iryna Kruhlik



Agenda

1. Role of the QA Engineer in App Releases
2. Regular Release Process
3. Methods and tools we use
4. Challenges
5. Post - Release Strategy
6. Emergency Plan
7. Q&A

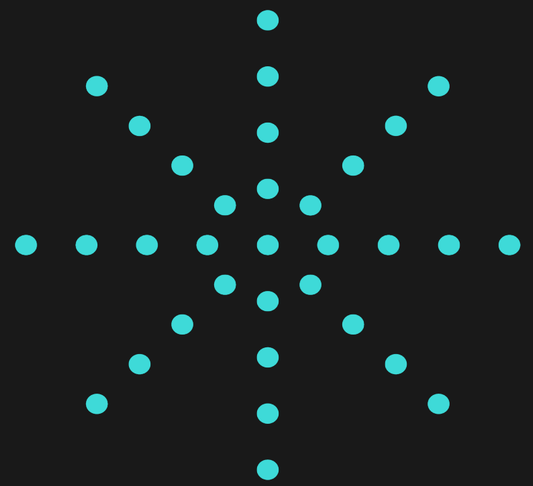
Role of the QA Engineer in the App Release Process

Role of the QA Engineers

RELEASE PROCESS OWNED BY QA TEAM

Traditional set up.

Unique approach at trivago.



ASSURANCE OF THE QUALITY ON ALL STAGES

Constant supervision.

Support for other teams.

Detecting the edge cases.

Role of the QA Engineers

CONS

- More Responsibilities
- Technical Part
- Informative Part
- Monitoring

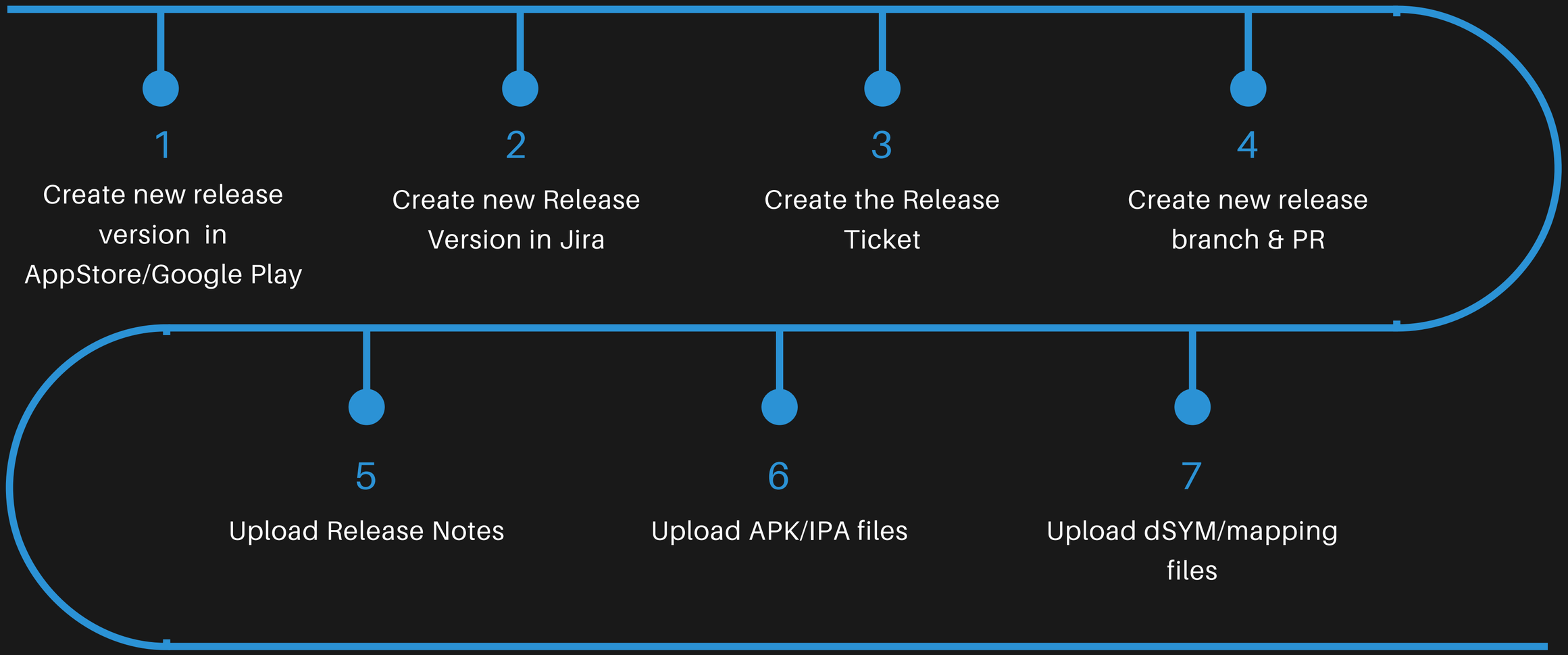
PROS

- More Benefits
- Increased efficency
- Increased Independence from other teams
- Tracking possible delays
- Stable release schedule

Regular Release Process

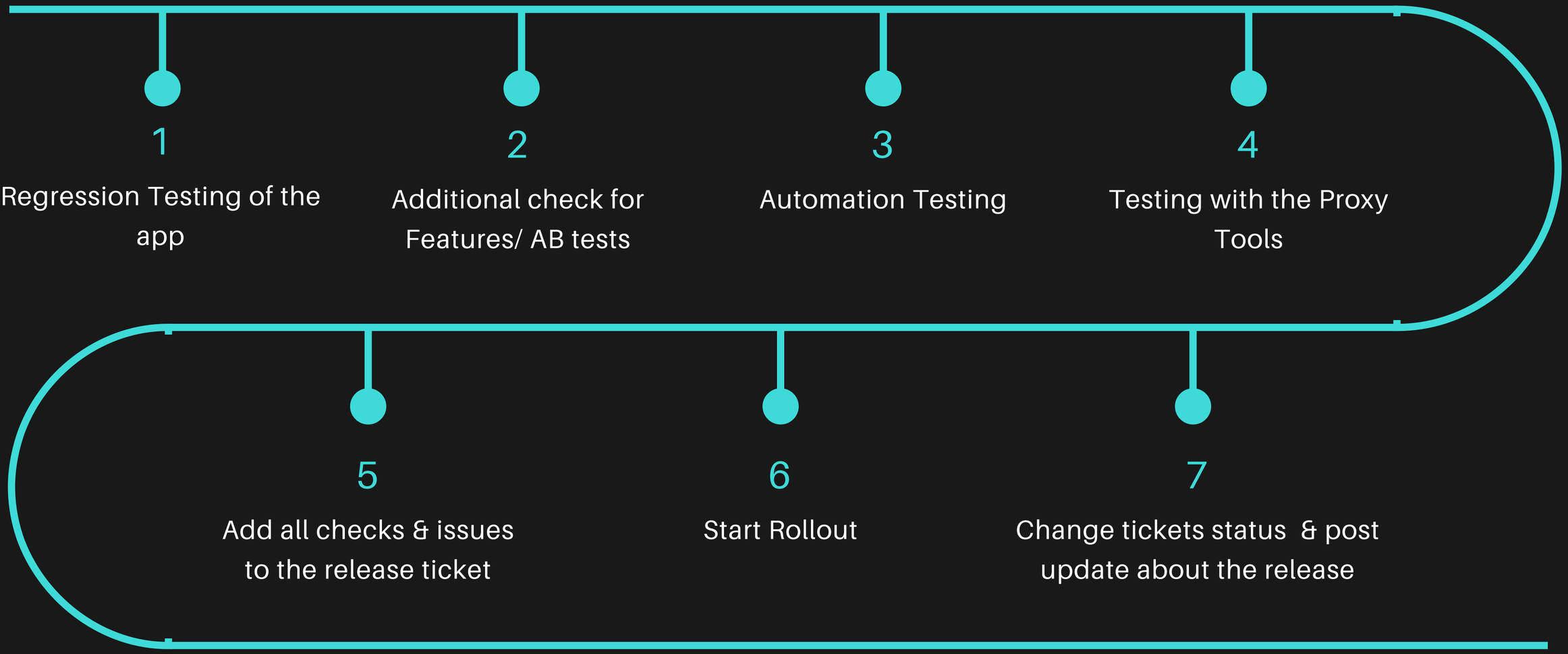
Preparation for Release - I

Main Steps



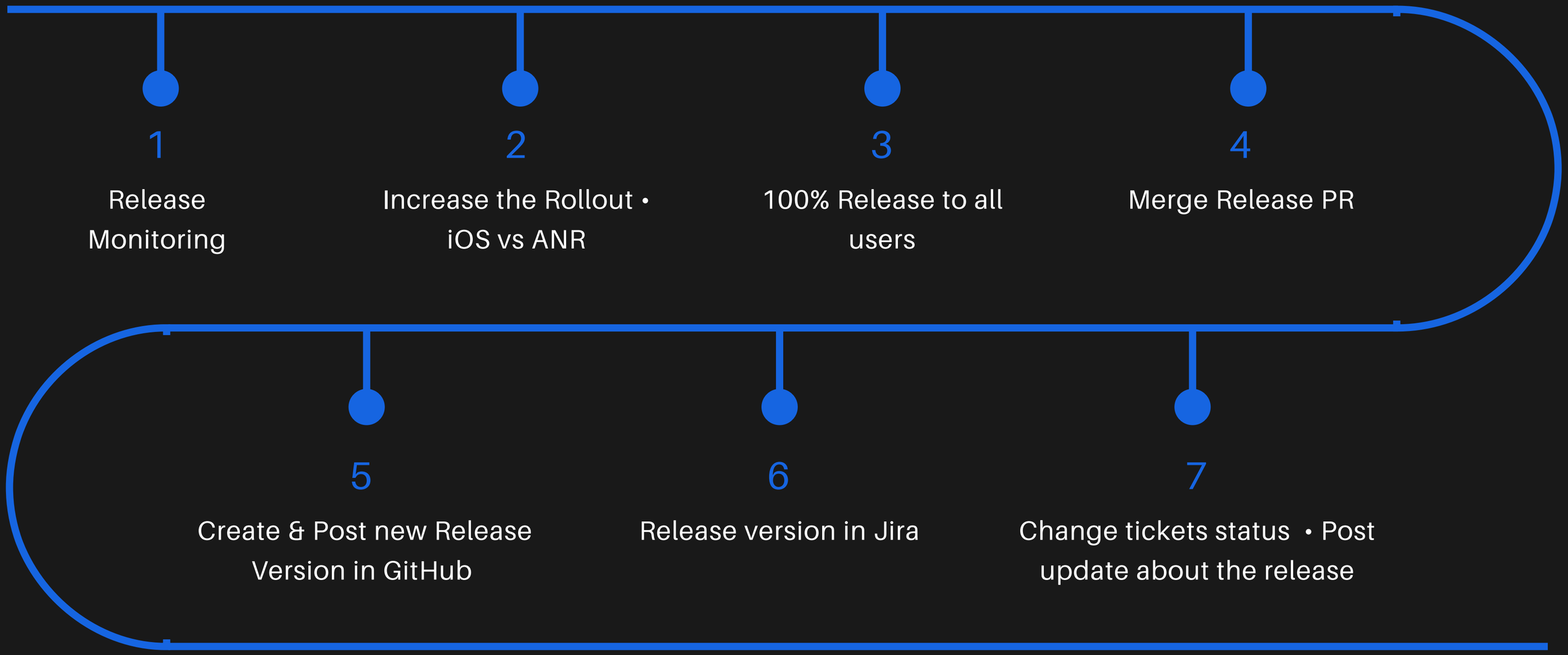
Testing & Releasing Phase - II

Main Steps



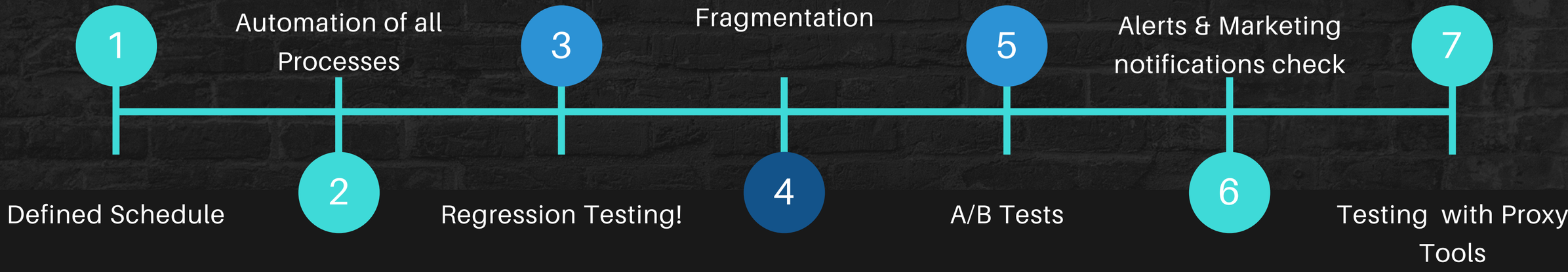
Post - Release Process - III

Main Steps



Methods and tools we use

Methods & Techniques that make release testing more effective



Release Schedule

1

Release Every Week
• Release content

2

Sequential Platform Rotation • Hot-Fixes • Delays

3

Release & Support Managers

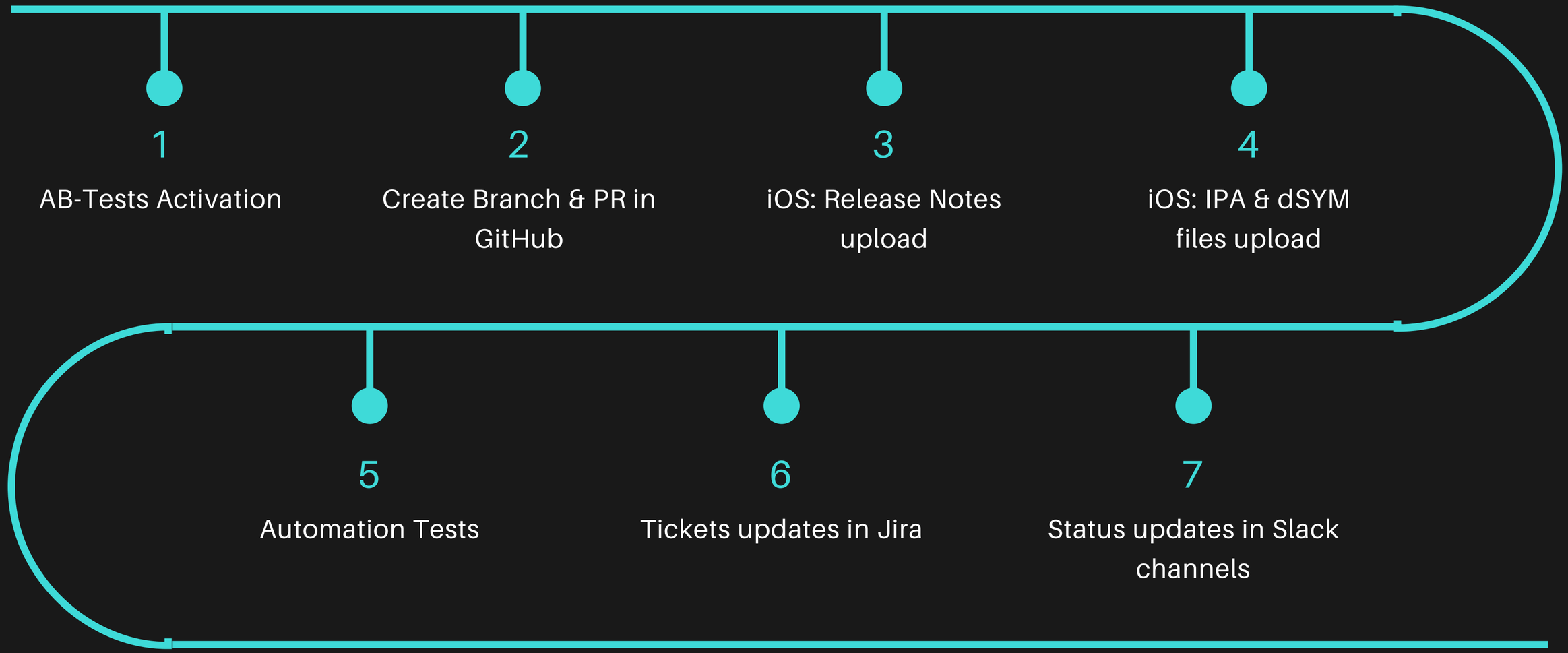
4

Release Ambassadors

5

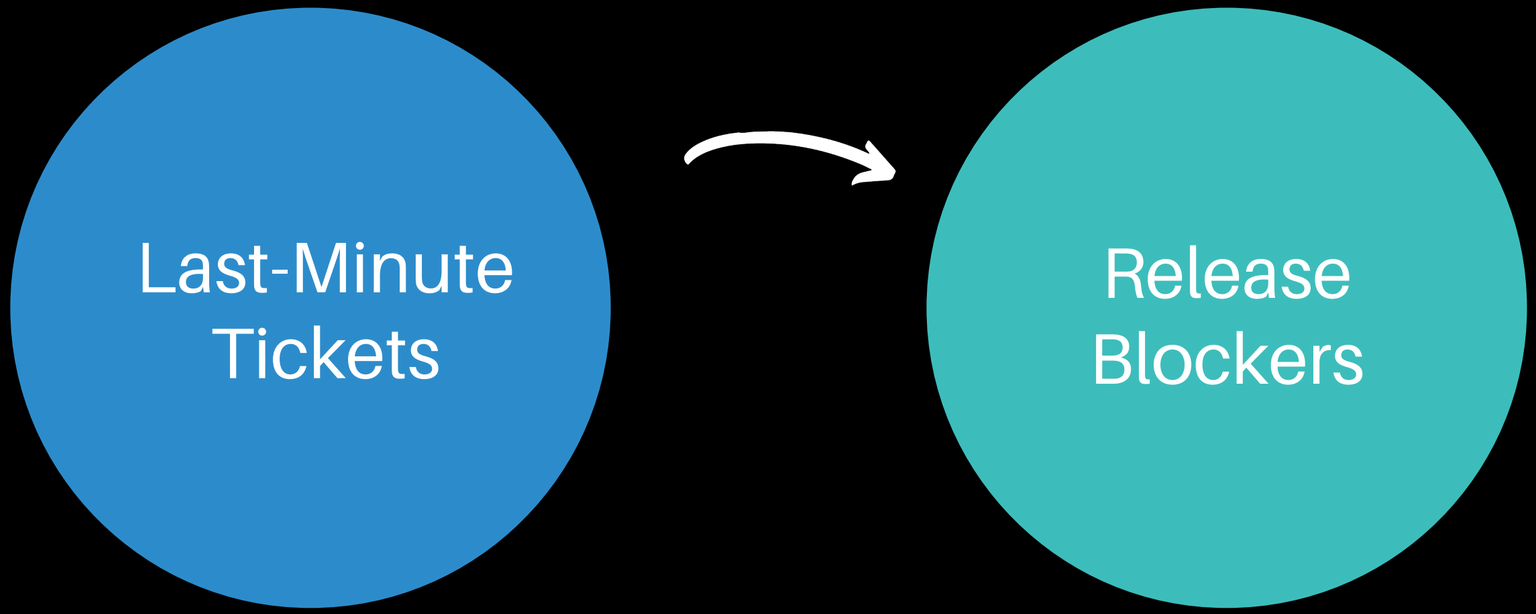
Edge Cases

Automated Processes

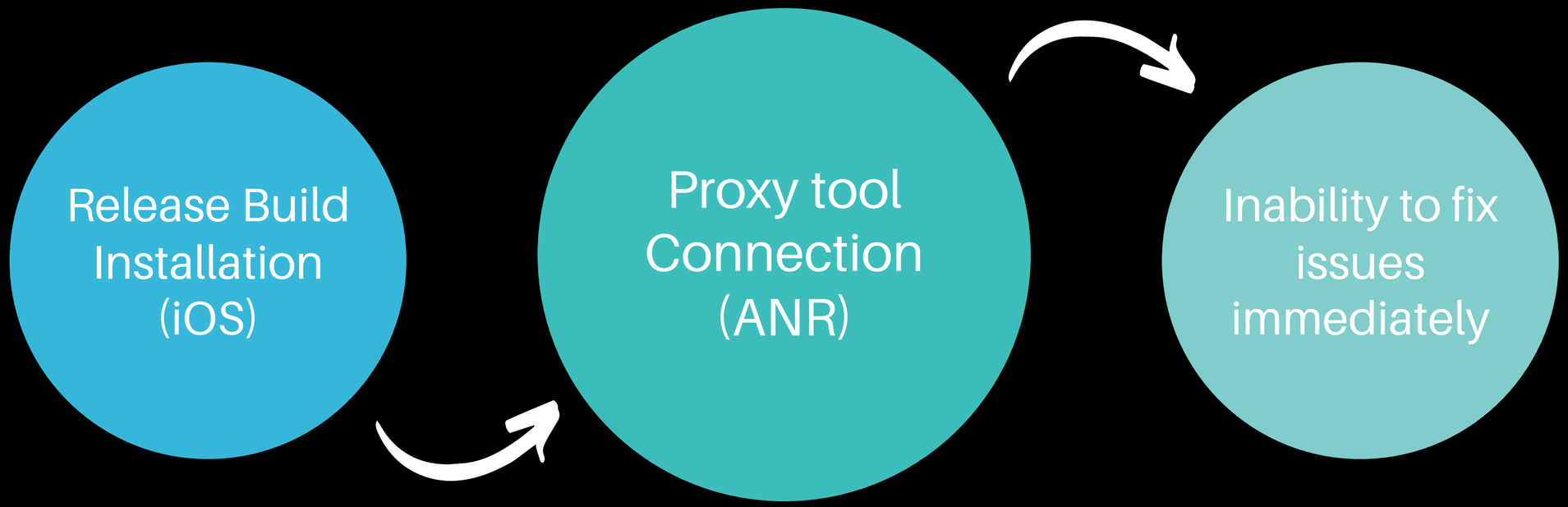


Challenges

Main reasons for postponing release



Additional Challenges



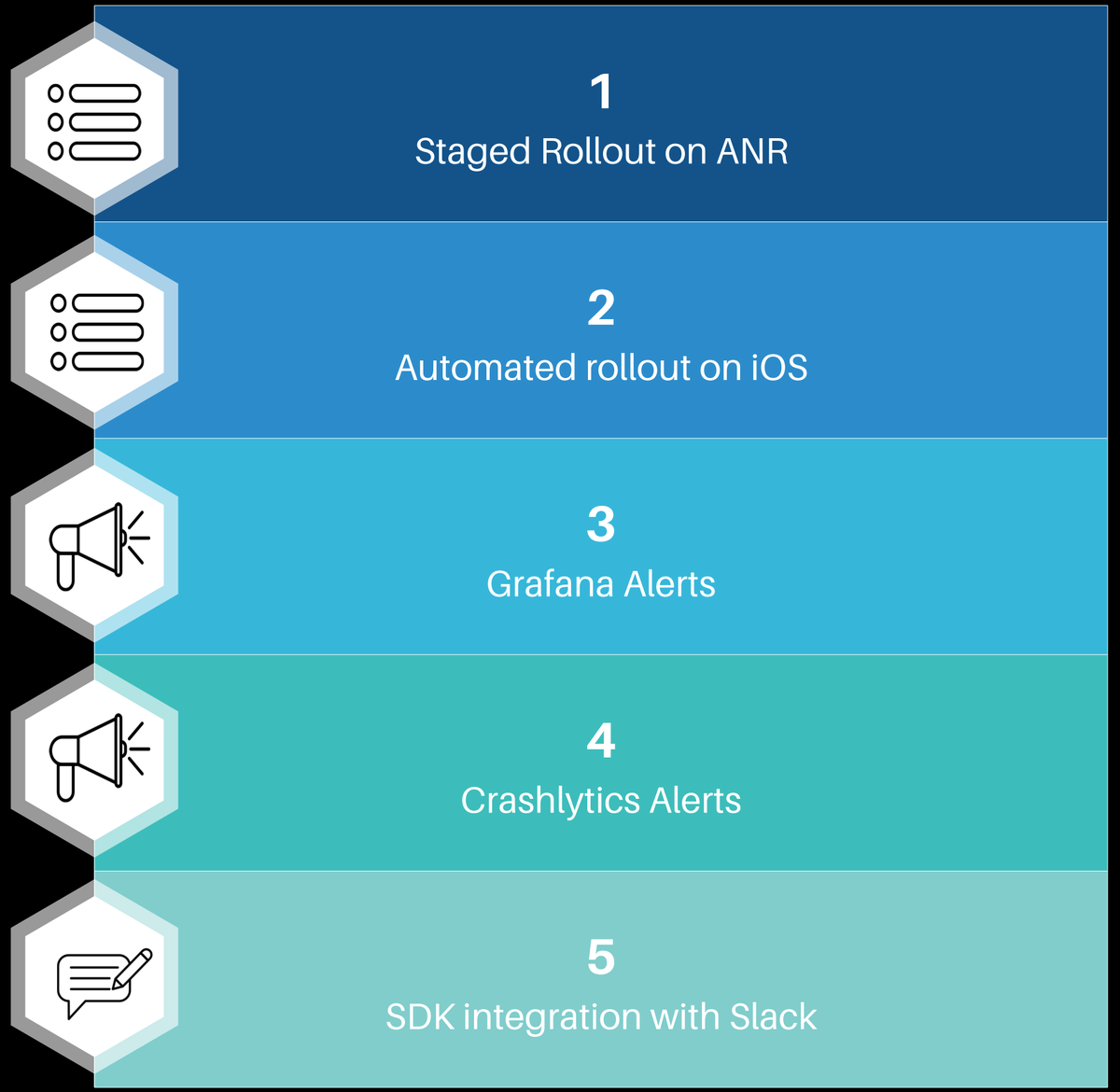
Post -Release Strategy

Monitoring

Methods & Tools to monitor releases

Strategy

Post-Release rollout & Alerts system

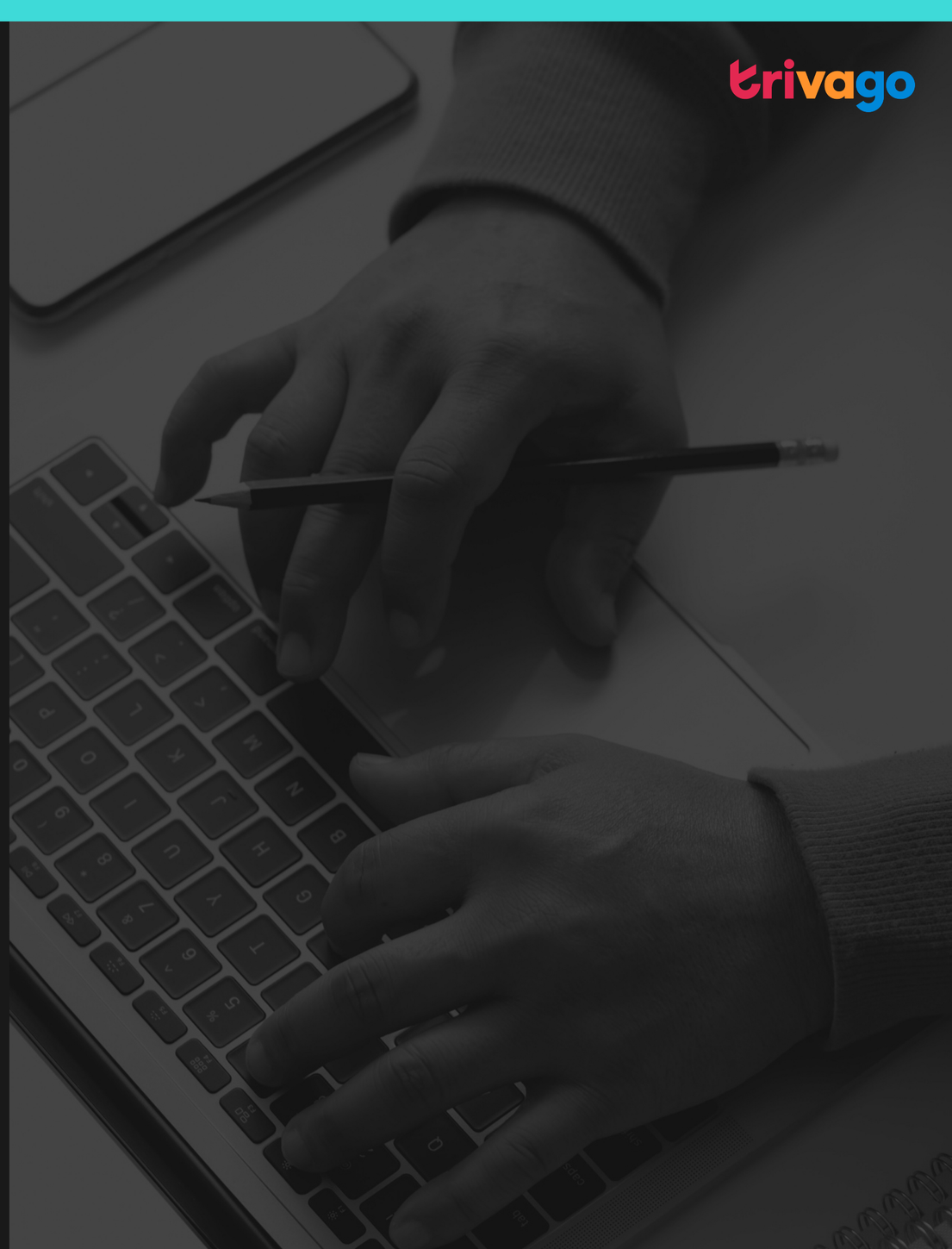


Emergency Plan

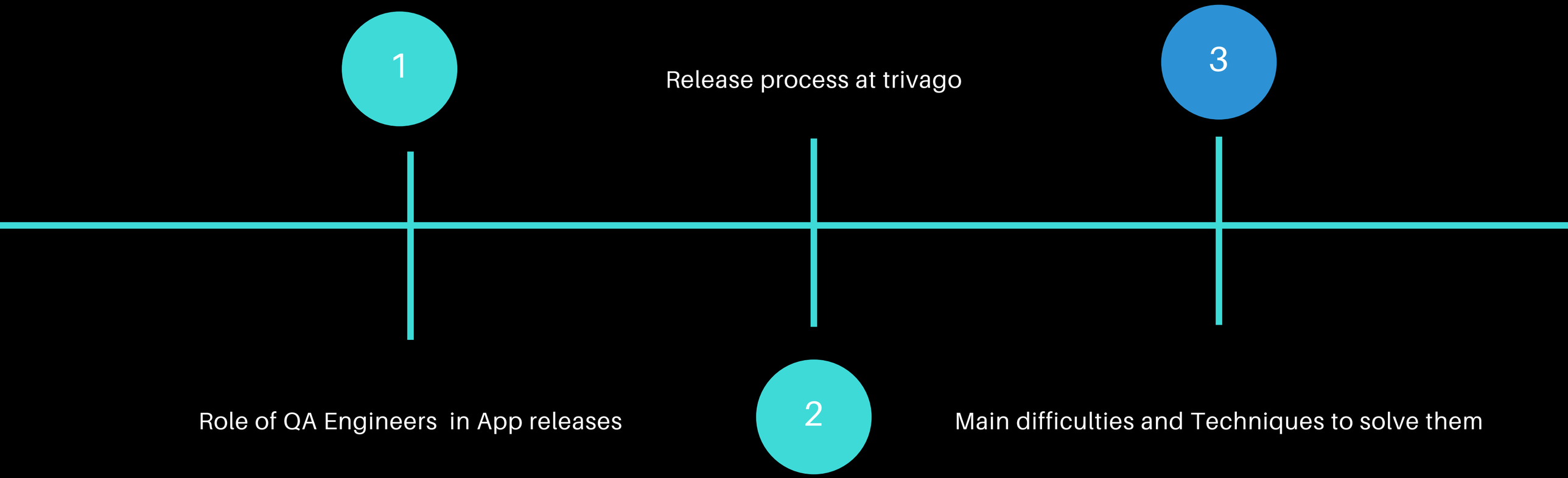
Doesn’t matter how good you test you cannot exclude bugs

Emergency Measures

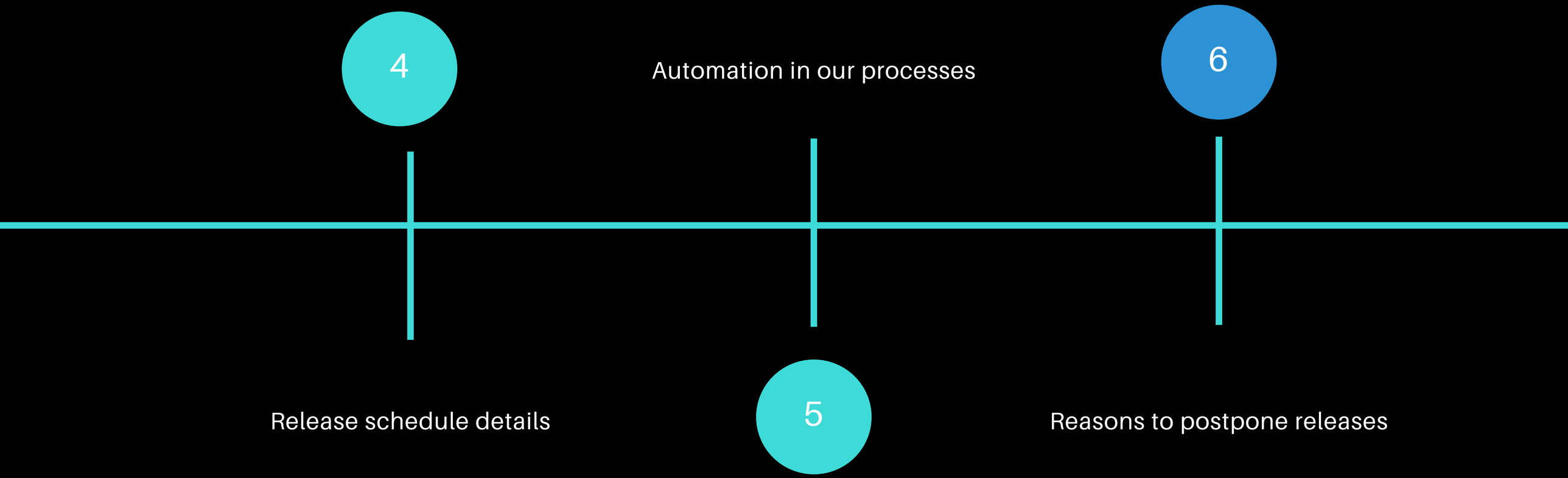
- Hot - Fixes for critical bugs
- Feature Flag to force app update
- Halt / Resume Release
- AB - Tests deactivation
- Regular Case: Apple Rejection



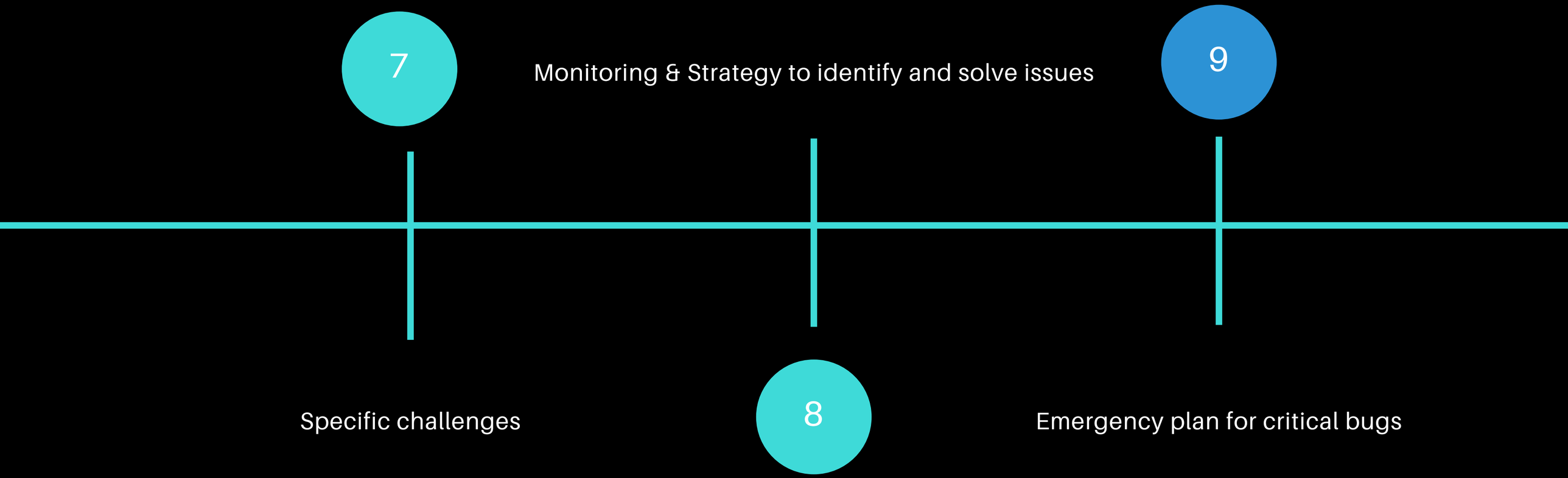
Conclusion


1
Release process at trivago
3
Role of QA Engineers in App releases
2
Main difficulties and Techniques to solve them

Conclusion


4
Release schedule details
Automation in our processes
5
6
Reasons to postpone releases

Conclusion


7
Monitoring & Strategy to identify and solve issues
9
Specific challenges
8
Emergency plan for critical bugs

Thank you for listening

Q & A

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