Legacy

maaretp

Making *Releases* Routine

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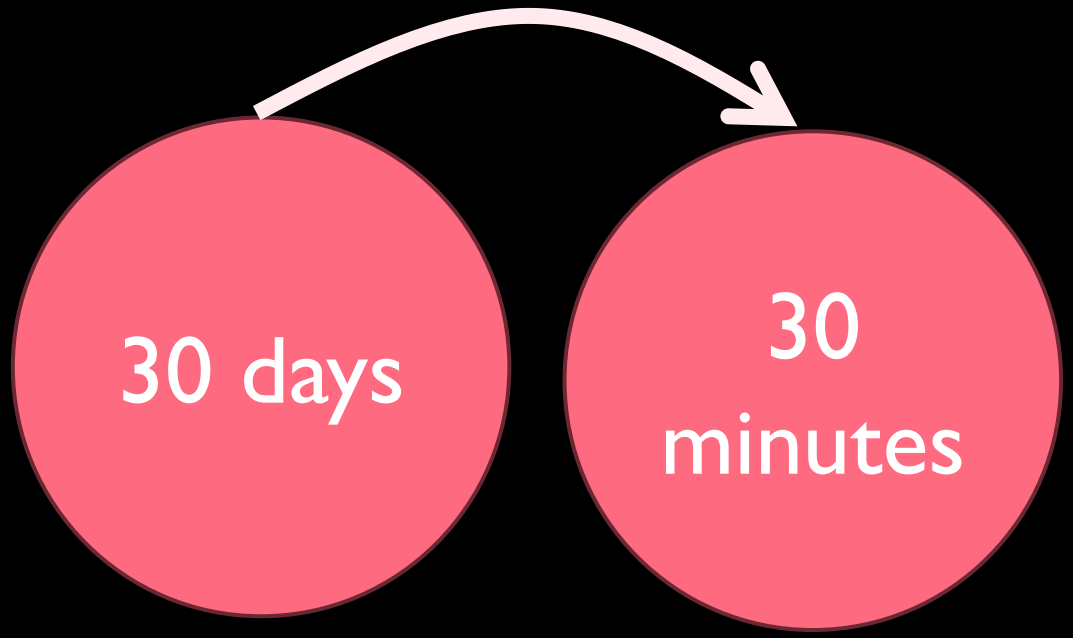
1st year: My Signature Move



Pool is not a bigger bathtub.

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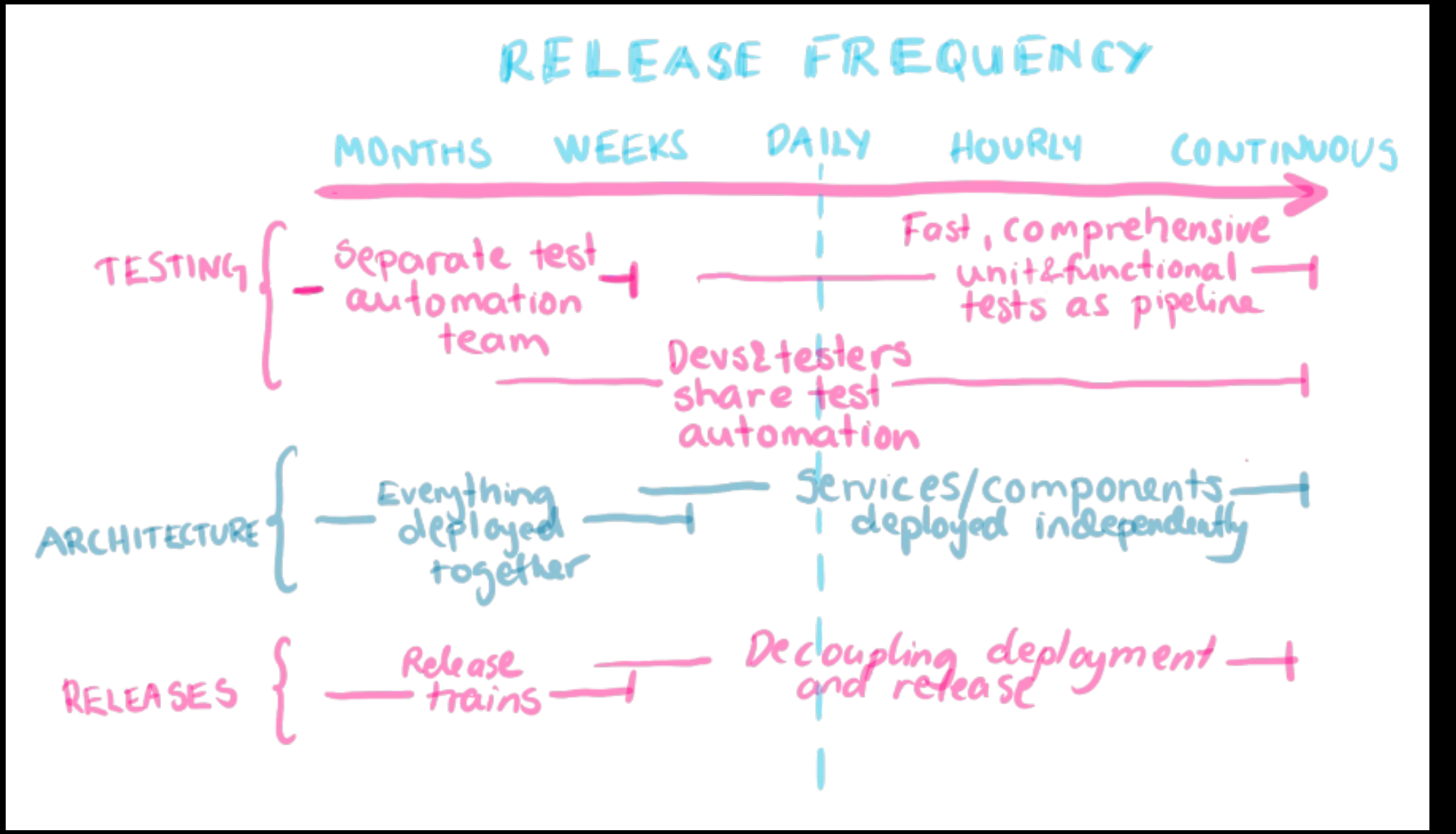
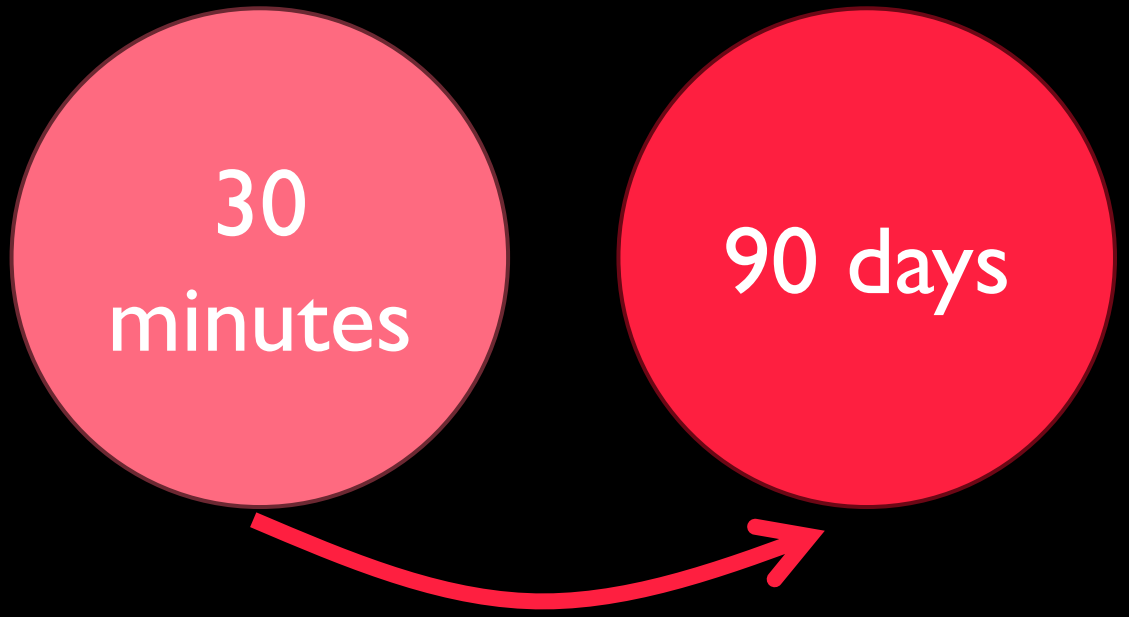

RELEASE FREQUENCY
MONTHS
WEEKS
DAILY
HOURLY
CONTINUOUS
TESTING
Separate test automation team
Fast, comprehensive unit & functional tests as pipeline
Devs & testers share test automation
ARCHITECTURE
Everything deployed together
Services/components deployed independently
RELEASES
Release trains
Decoupling deployment and release

2nd year: Something Lost



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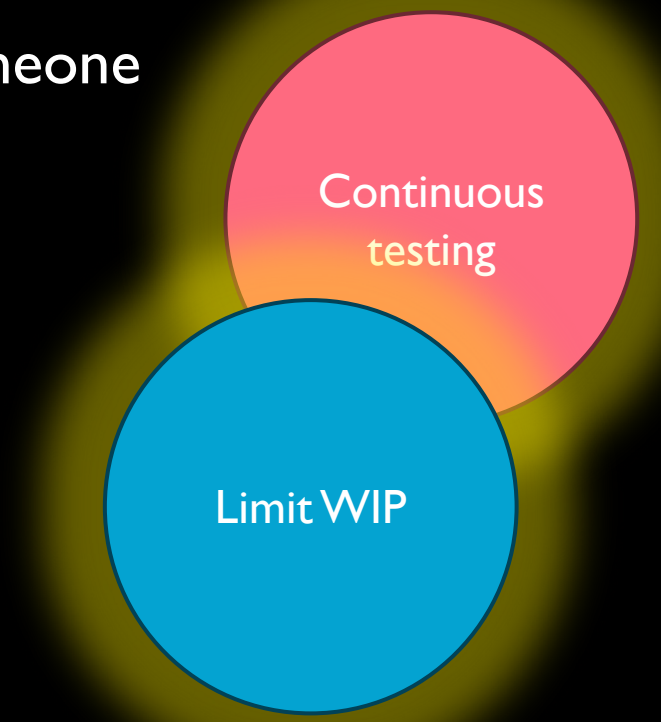
The Failure

Mistakes were made. And by me.

1. Making results gap visible is a testing skill. Just because someone tests, does not mean they test well.
    1. Recognizing scope
    2. Nudging scope with conversational approach
    3. Orchestrating fixes
    4. Feeling powerless
2. Premature done starts new work. New work piles up uncertainty.



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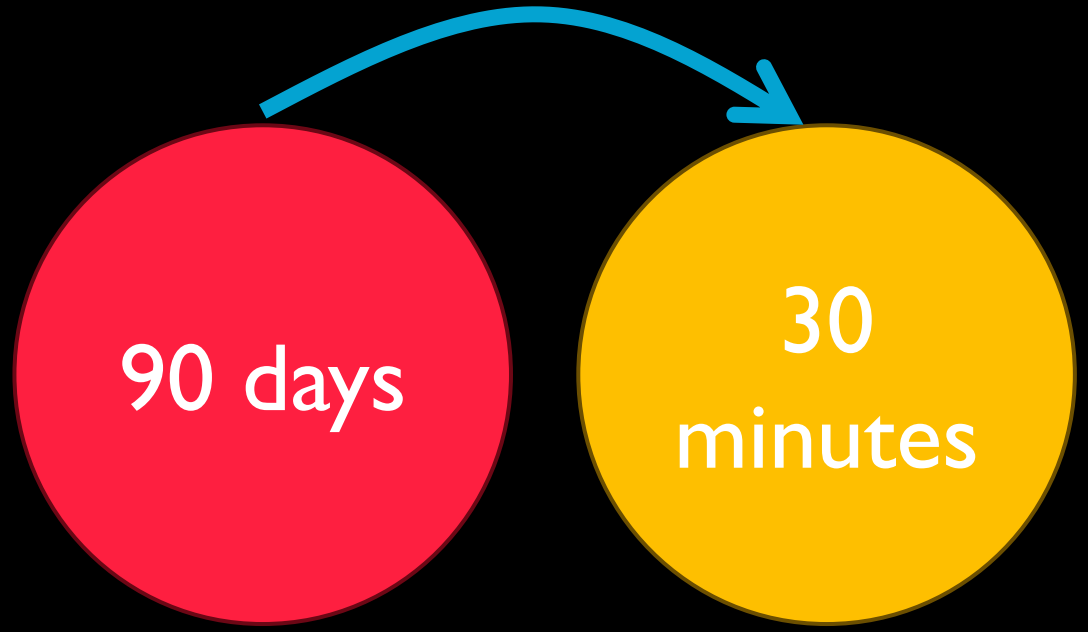
3rd year: Make Releases Routine



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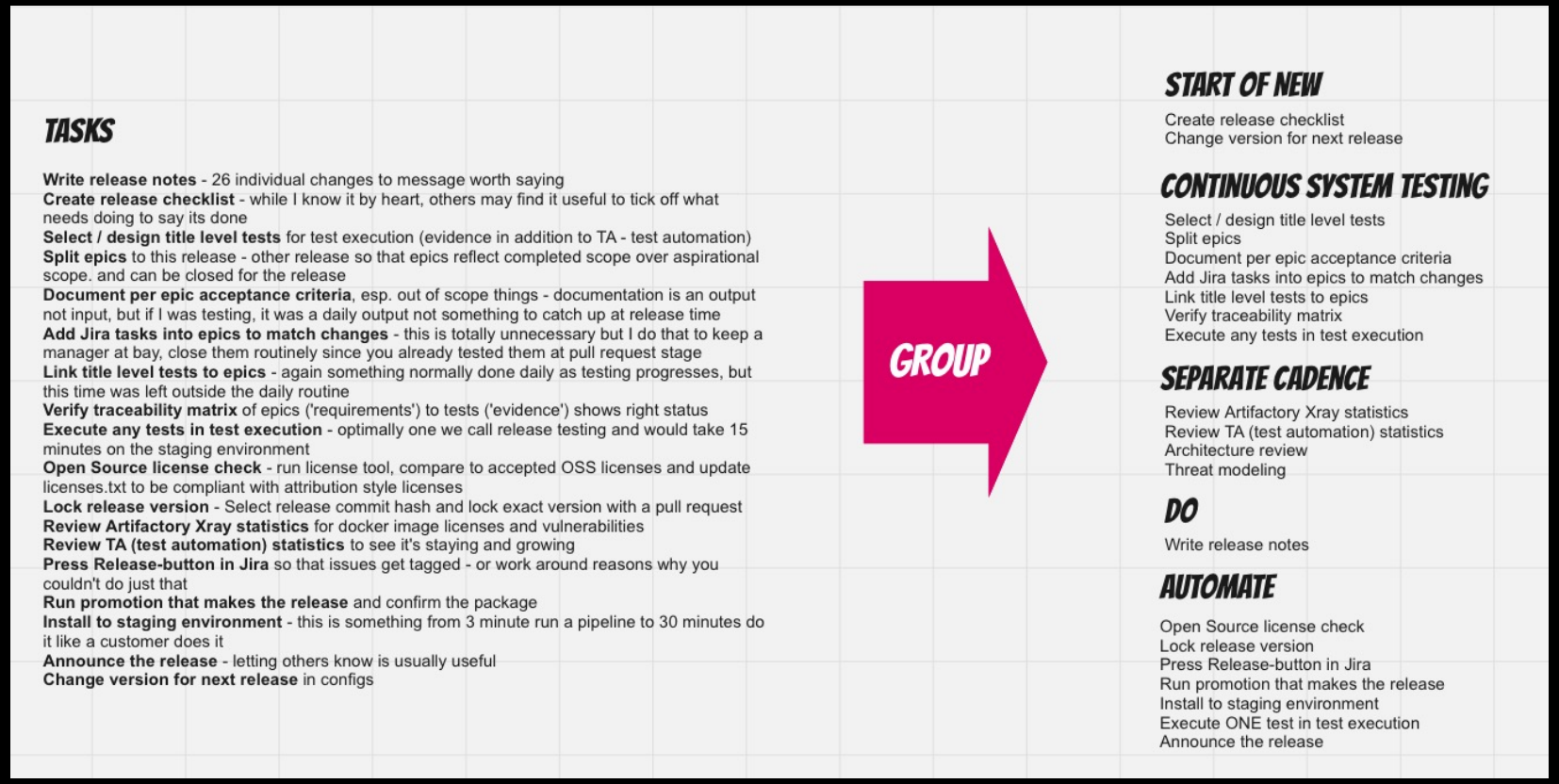
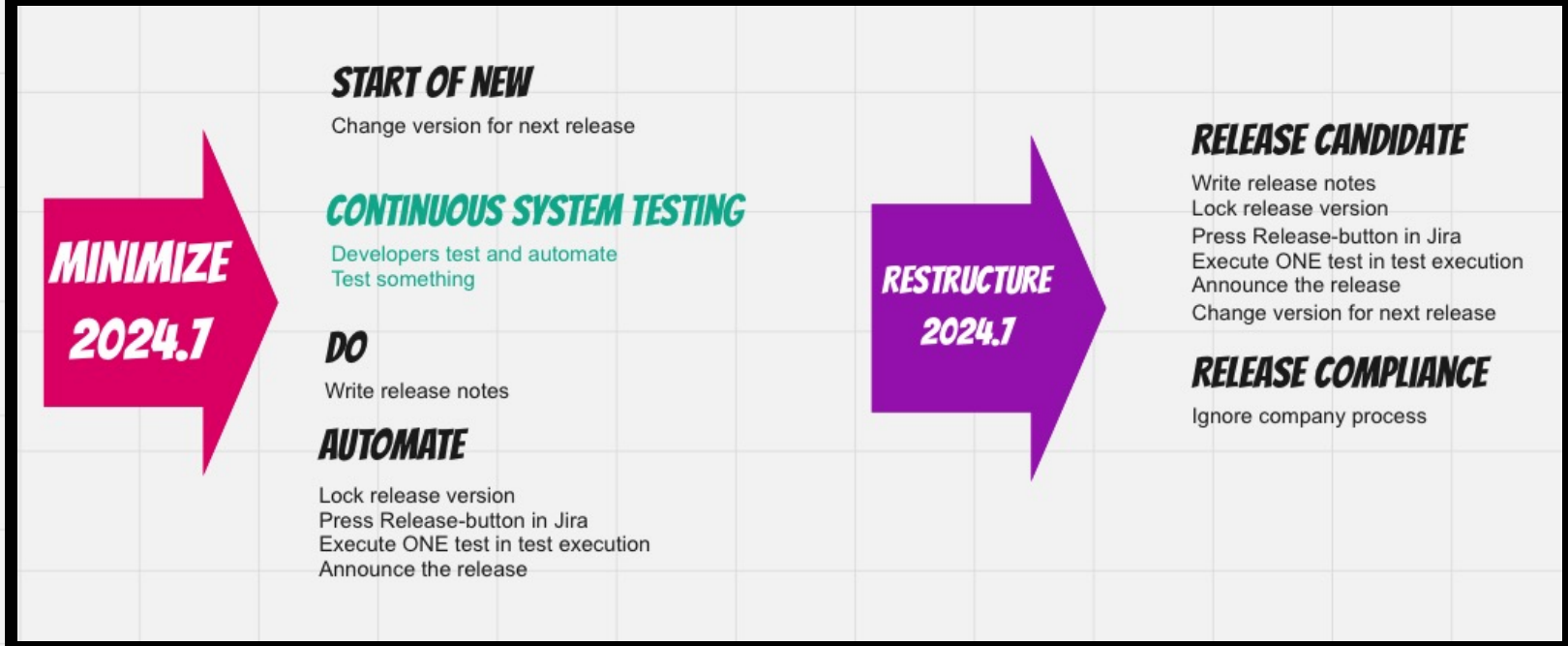
Describing Release and Grouping Tasks



Experimenting with Structure

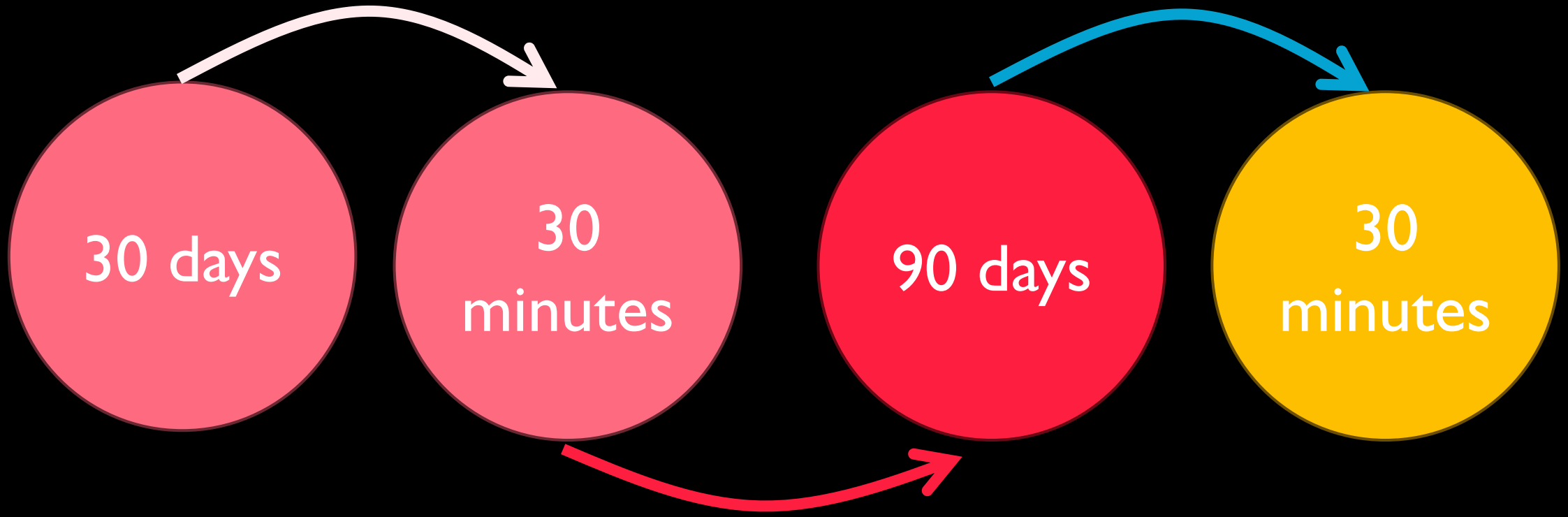


Practice makes better!

With All Test Green in CI Principle, Release Tagging Preserves Tests for Compliance

When the color is green, no one cares about how many pass and fail.

Context Changes Over Time



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“Releases are overhead. So much work.”

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What is the Work?

Build and release pipeline

Evidence for compliance

Testing for all things in the results gap

Approvals and permissions

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Release Review

22 Required High Level Checks

3579
compliance checks

Action	
Architecture and Designs (D1, D6)	Documentation
Technical Quality (Q2, Q3)	Linters Unit test coverage
System Test Contents (Q1, Q4, Q5, Q6, Q7, D1)	Master test plan, test cases, test summary Sufficient testing
Security (Q9)	Threat analysis Vulnerability management
IPR and Licenses (Q8, E1, E2)	OS, Middleware, Application inventory Forbidden licenses check
Product Perspectives (Q10, Q11, Q12, D3, D4)	Usability Documentation Localization
Stakeholder involvement (Q13)	
Archiving (D2, D5, D7)	Release repeatability Plans for next up Installation media

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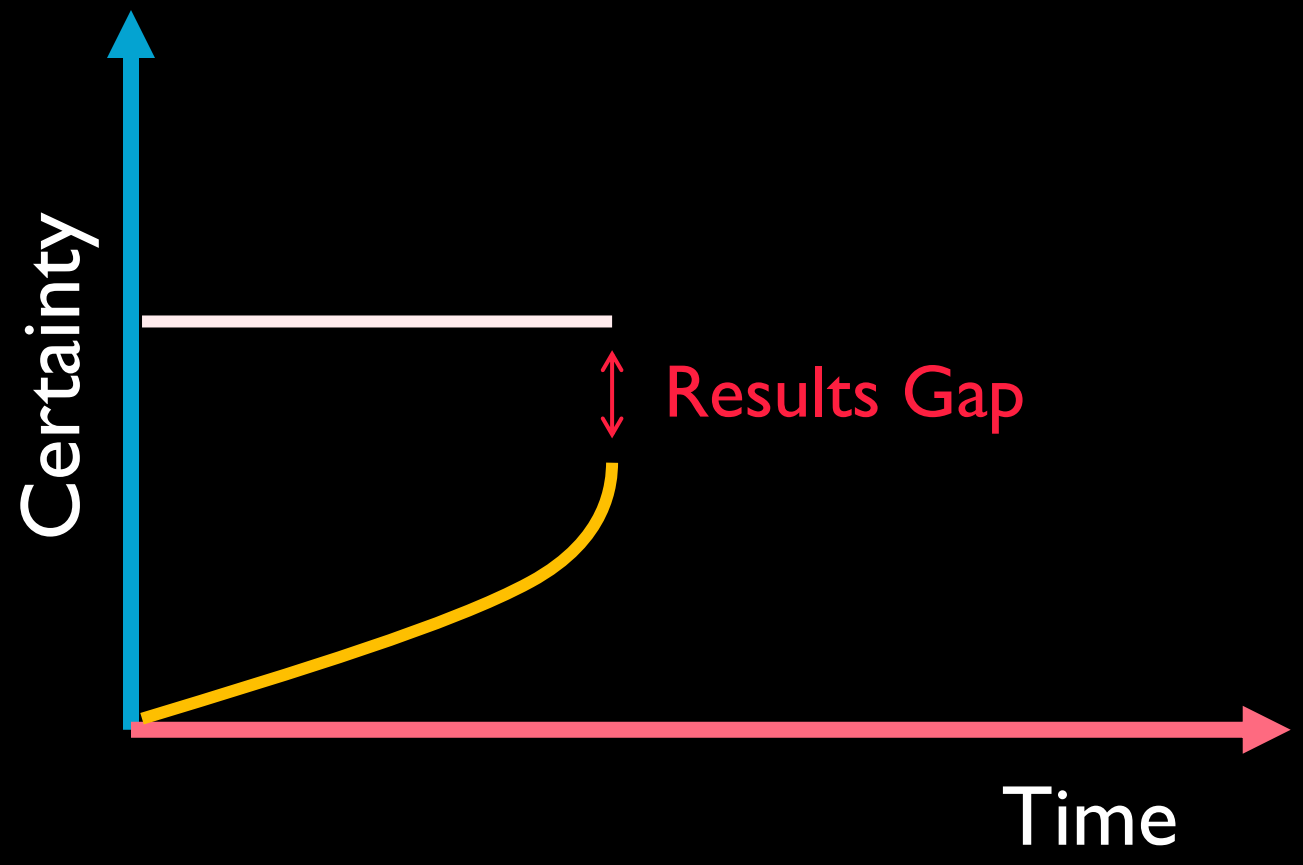
Certainty vs. Time



Delivering to environment without use does not add certainty

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What must be different to shorten release testing from 30 days to 30 minutes?

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Fact Checking

There is no automation that gets a month of work done in 30 minutes. Just no.

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Fact Checking

We do less in release testing.
We do more before release testing.

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Fact Checking

We don't have bugs. Fixing delays and causes retesting.
We don't wait for testing. Testing can continue after.

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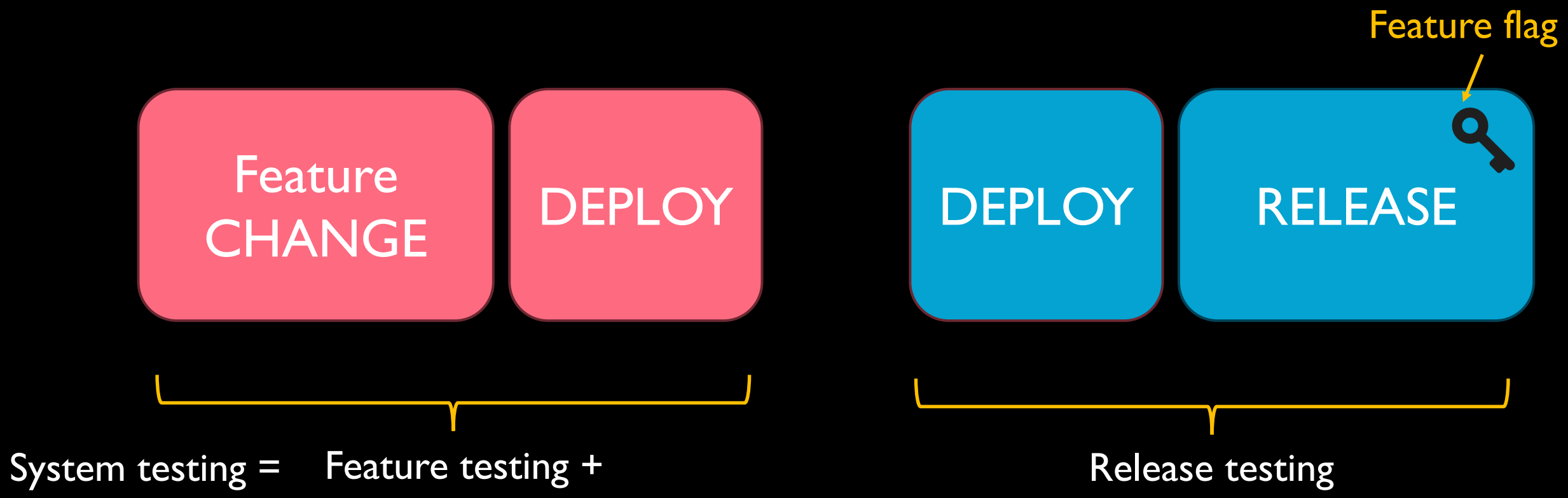
Features, Deployments, Releases



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Guidelines

EaC. Nothing changes without changing something. Follow the changes.

* EaC – Everything as Code, particularly Infra

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Guidelines

Continuous testing. Test automation alerts on changes. Change calls to explore.

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Guidelines

Pipelines. Doing the work all the time, with every change. Routine comes with repetition.

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Making releases routine is the heartbeat of a good team, creating a bubble of productive serenity.

—Maaret Pyhäjärvi