Pragmatic Guide to Compliance and Platform

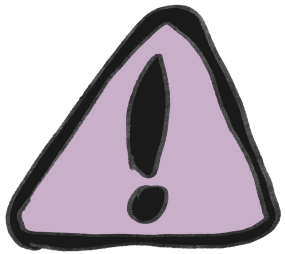
Cloud Native Denmark

October 8



@solidtubez.com







Pragmatic approach

Design for compliance

Build trust over time

Work with what's already there



Jessica Andersson

Cloud Architect
CNCF Ambassador

@solidtubez.com

TRICE

Rise of the Internal Developer Platform

Heavy industry adoption

Glue together the sprawl of tools and systems

Speed up provisioning and simplify CI/CD

Encourage and enforce best practices as needed

Reducing cognitive load for developers



Data source: Accelerate State of DevOps Report 2024 (Google Cloud / DORA Research)

Why platform needs to care about compliance



Existing compliance workflows

Combination of application portfolio management and workflow tools.

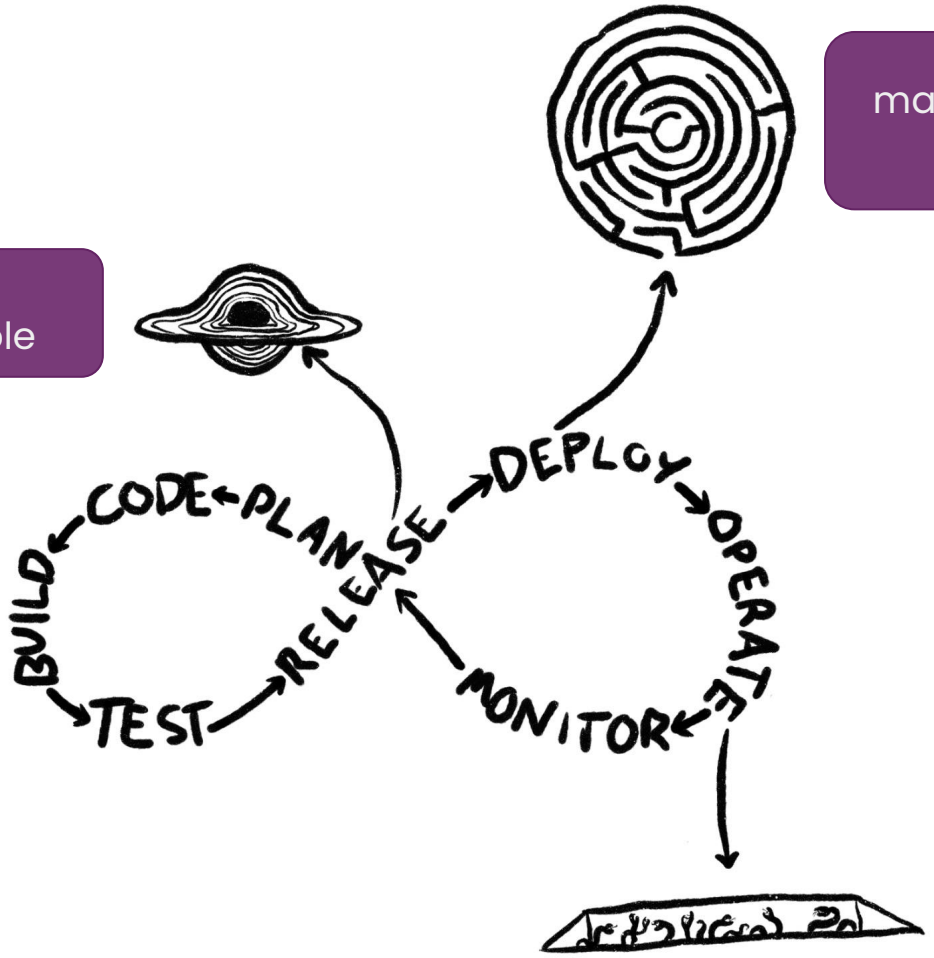
Data quality suffers as development processes evolve.

Despite frustrations, replacement efforts routinely stall.



maze of registering that change record

service account provisioning black hole



log-access snake pit

A pragmatic approach



Integrate with existing ways of working

Build trust over time

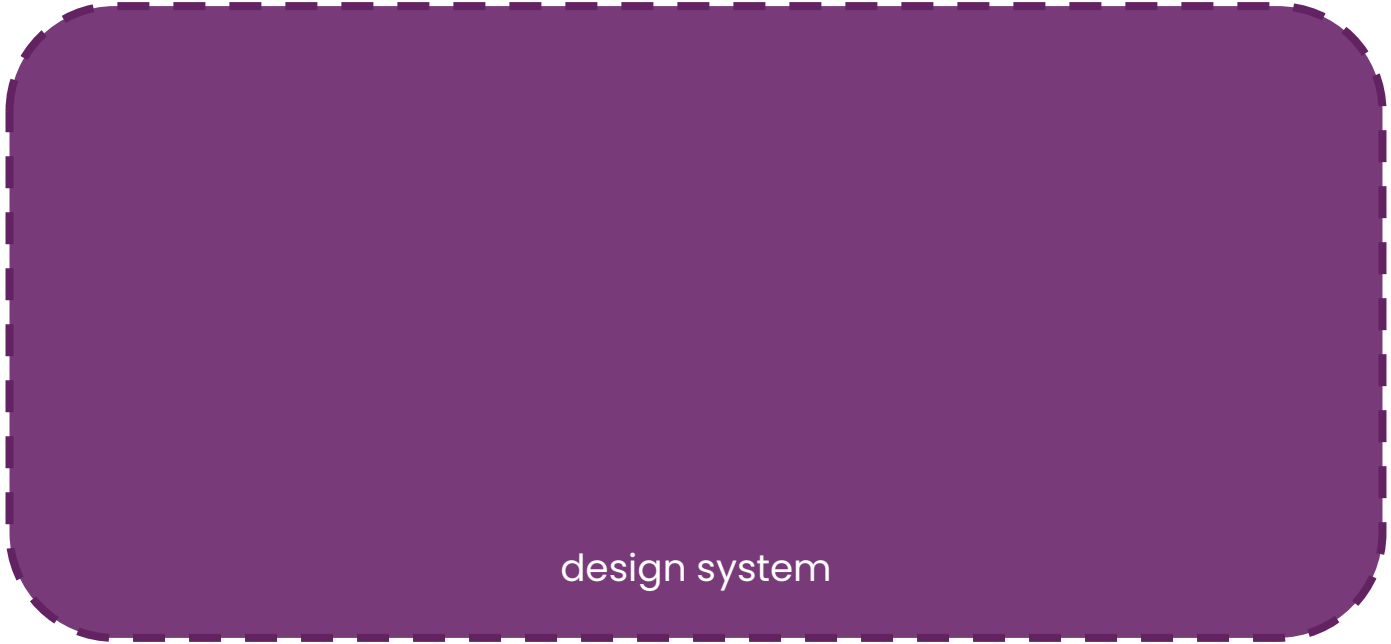


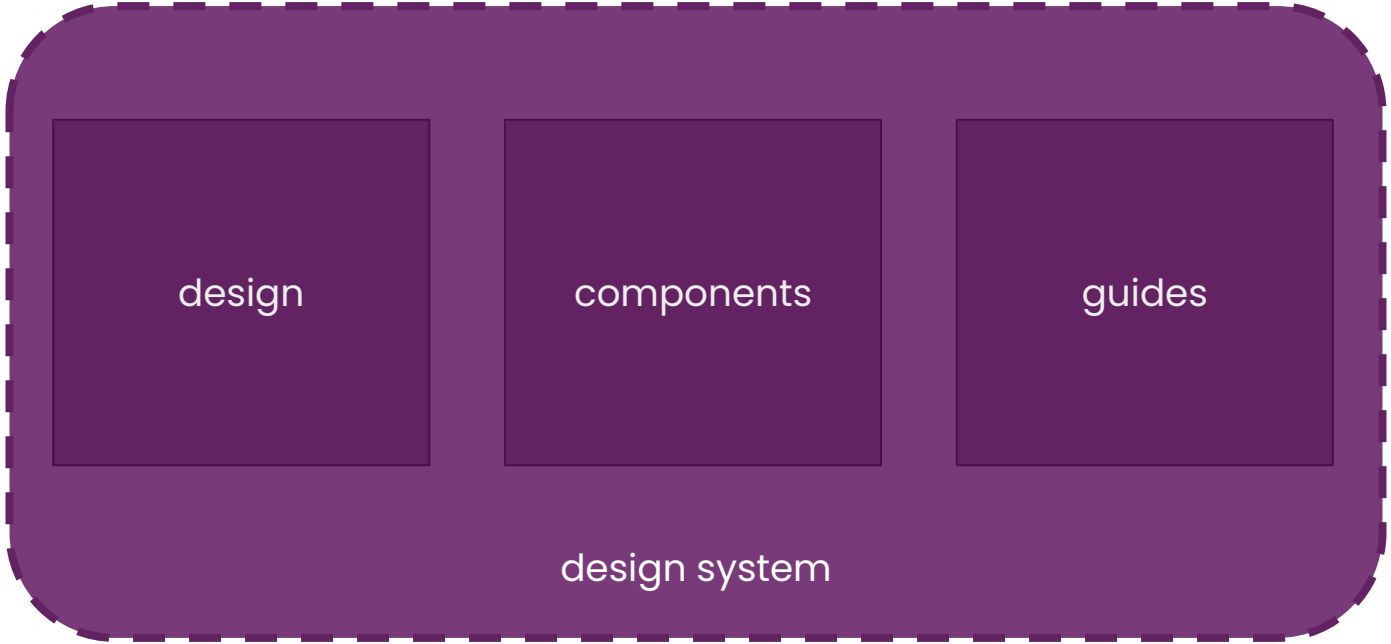


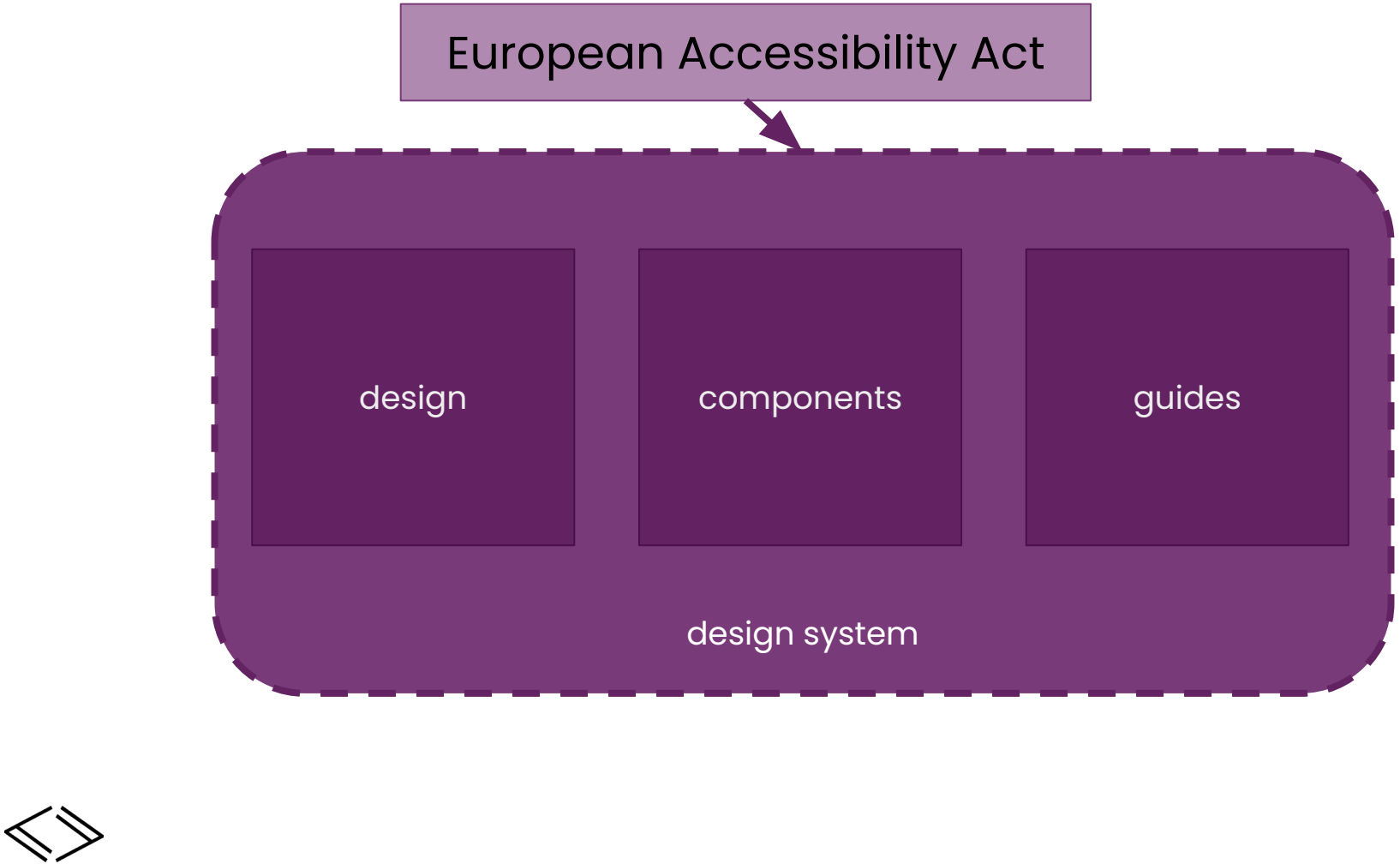
Don’t get distracted

examples




design system


design
components
guides
design system


European Accessibility Act
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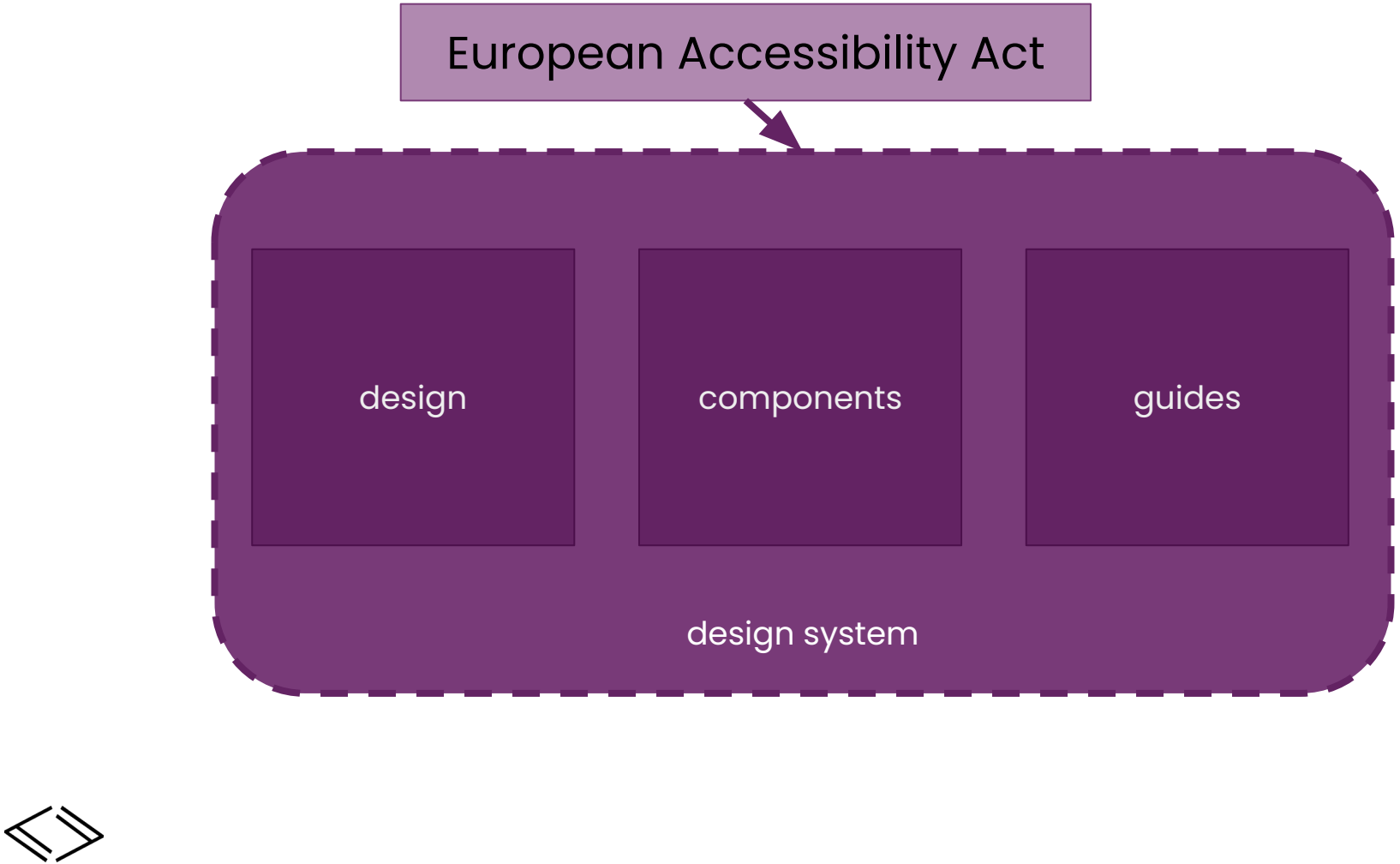
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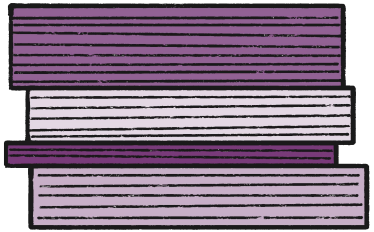
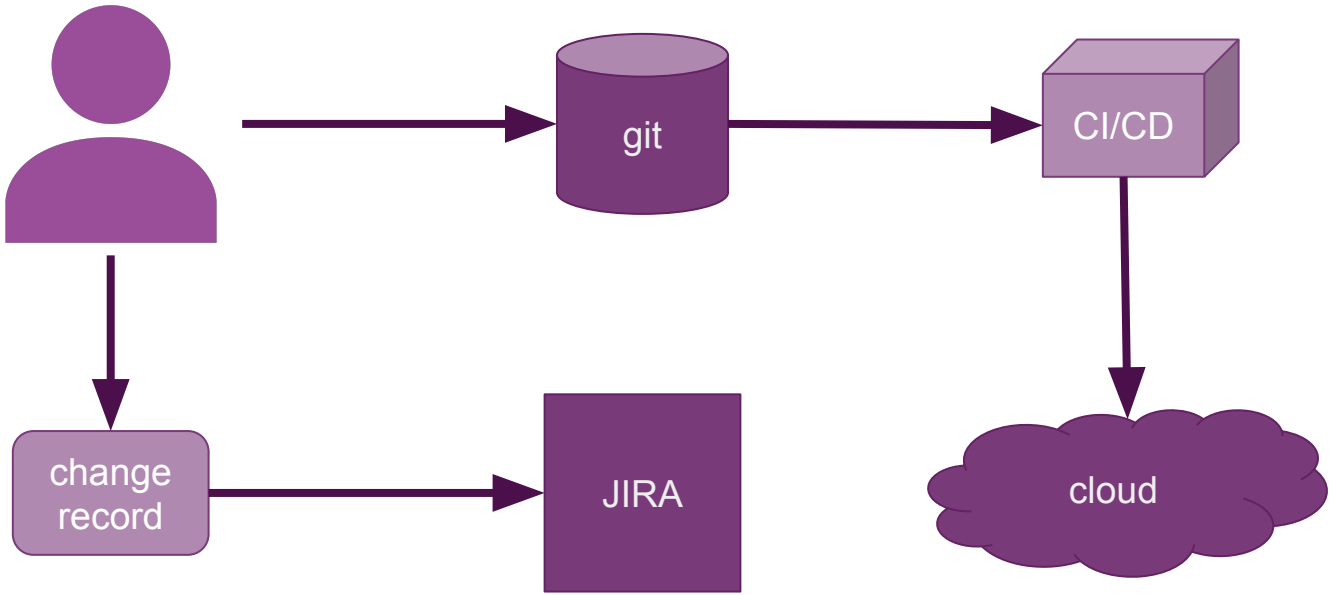
Digital Operational Resilience Act (DORA)

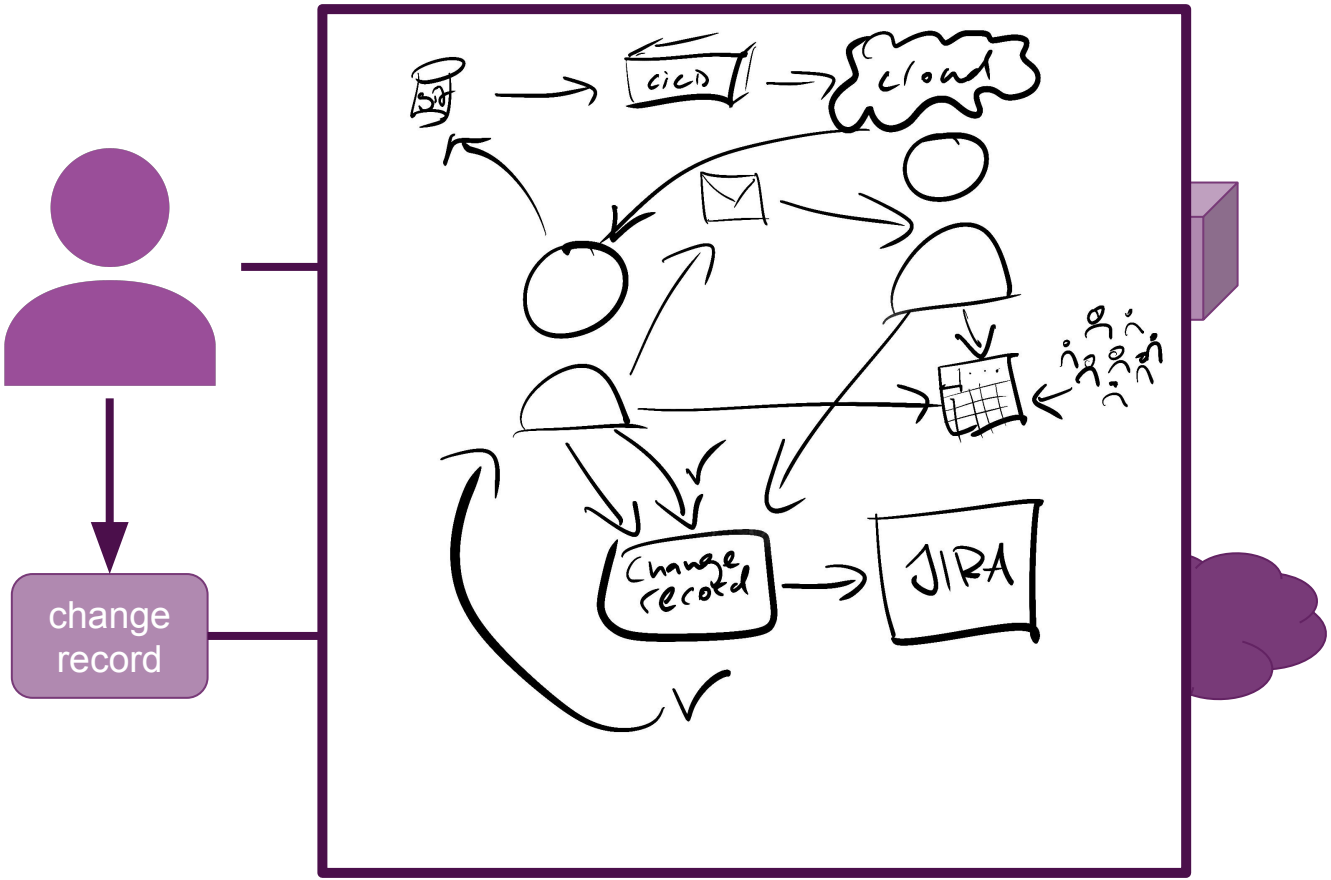
ICT Risk Management

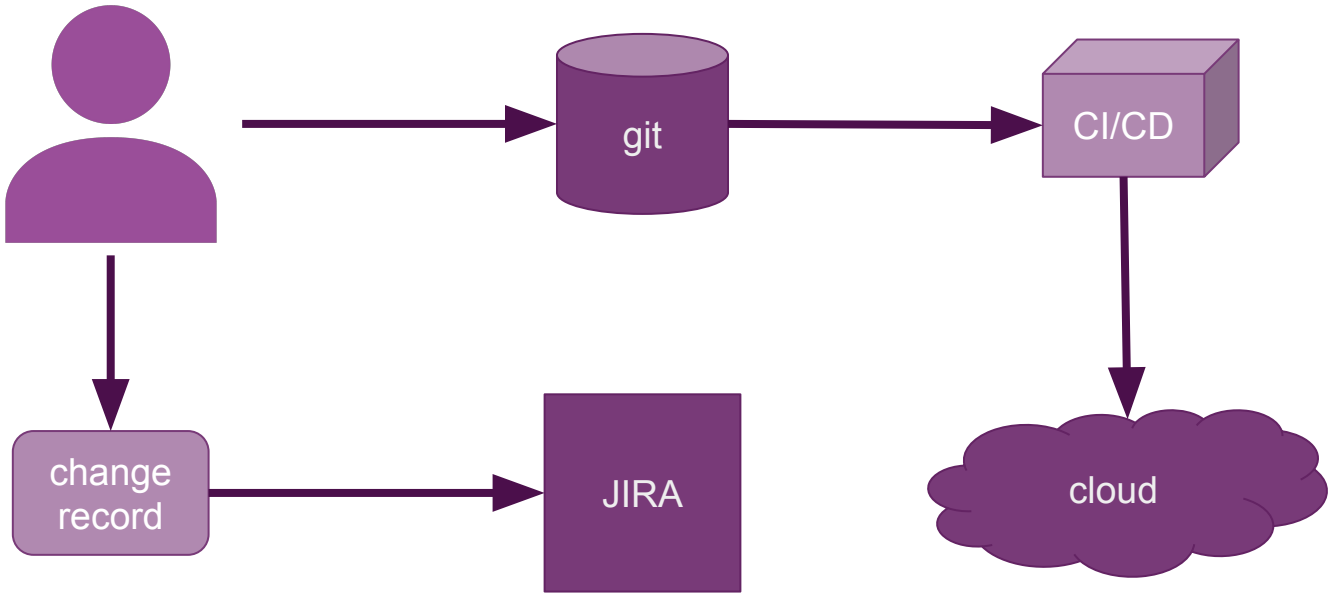
*"in order to ensure that **all changes to ICT systems are recorded**, tested, assessed, approved, implemented and verified in a controlled manner"* - Article 9.4(e)

"ICT change management, including changes to software, hardware, firmware components, systems or security parameters,"




git
CI/CD
change
record
JIRA
cloud


change record
cicd
cloud
change record
JIRA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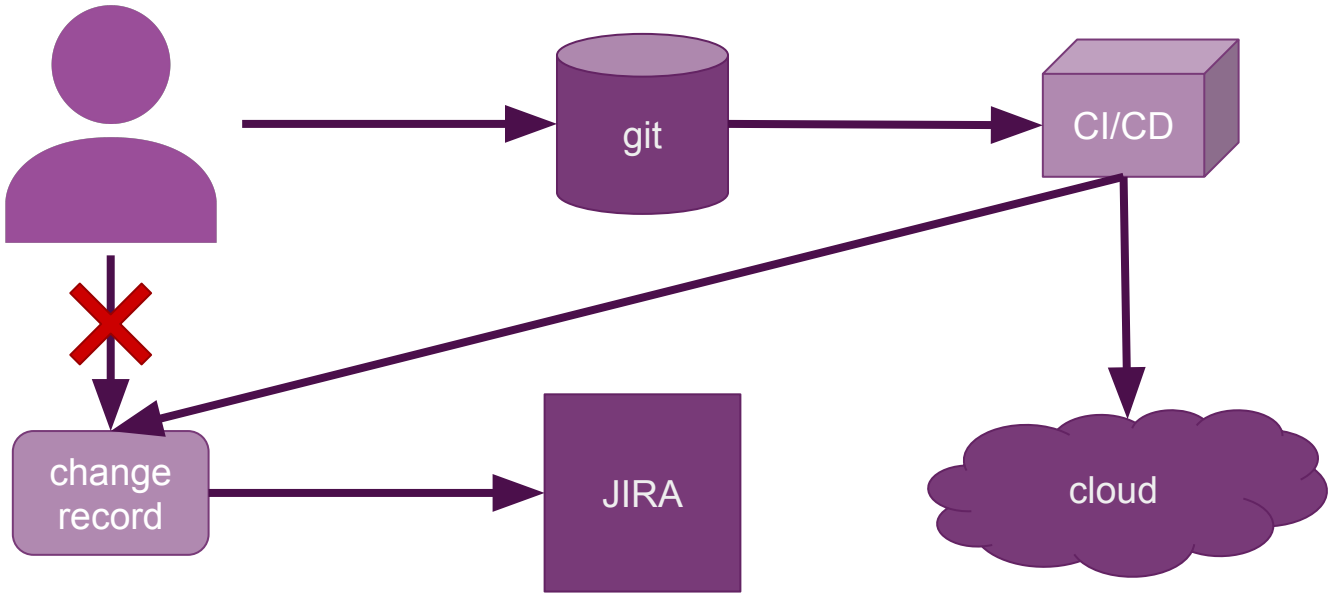

git
CI/CD
change
record
JIRA
cloud

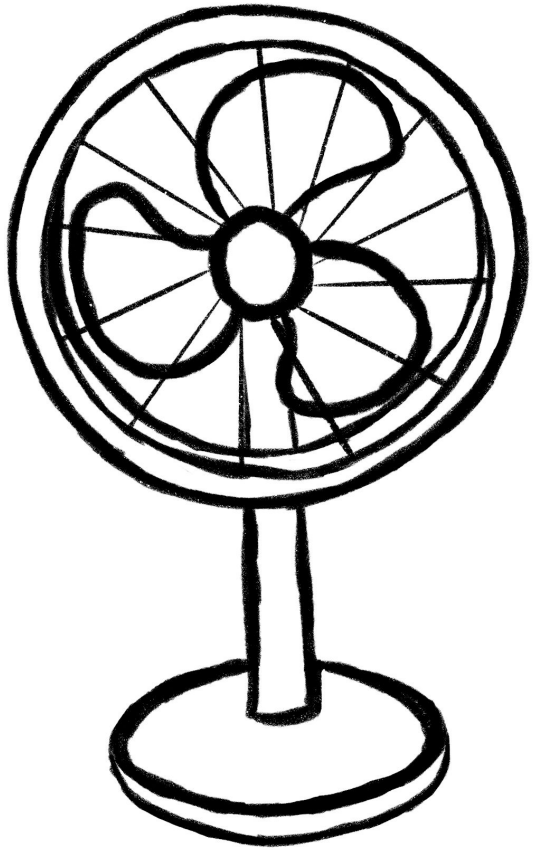
CI/CD Automation for change records

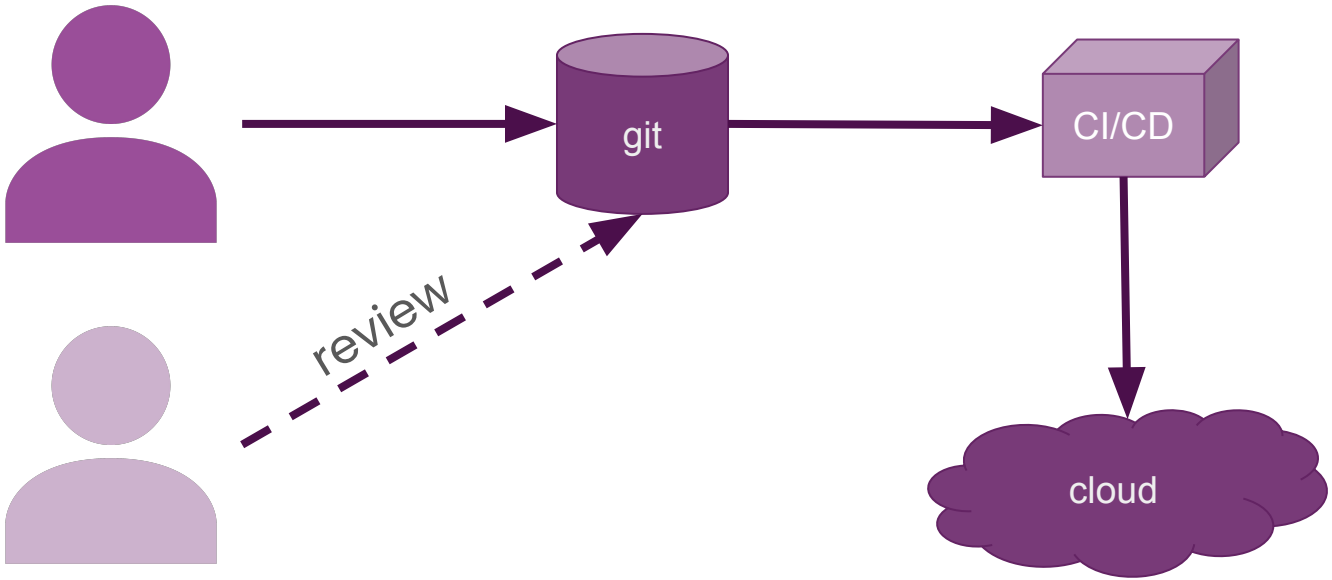
+ Lean in to existing solution
+ Automated
+ Low cognitive load on developers

- Traceability limited to application CI/CD pipeline

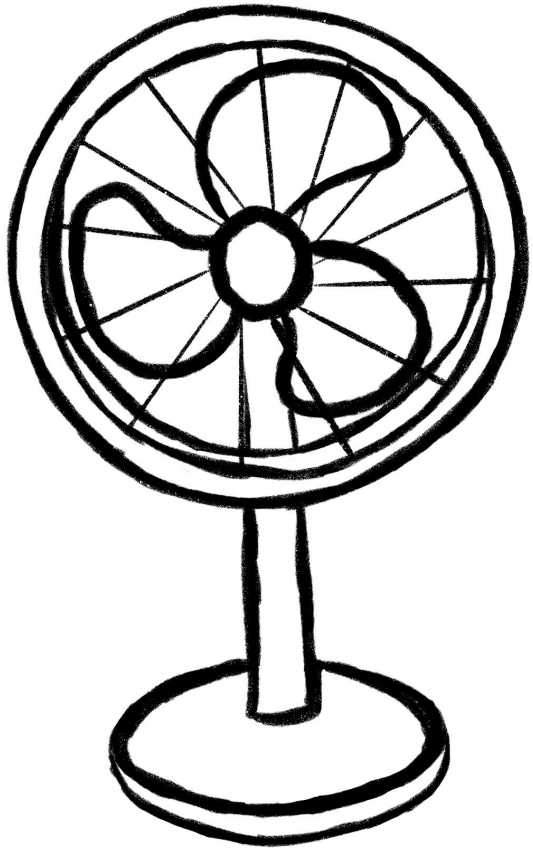


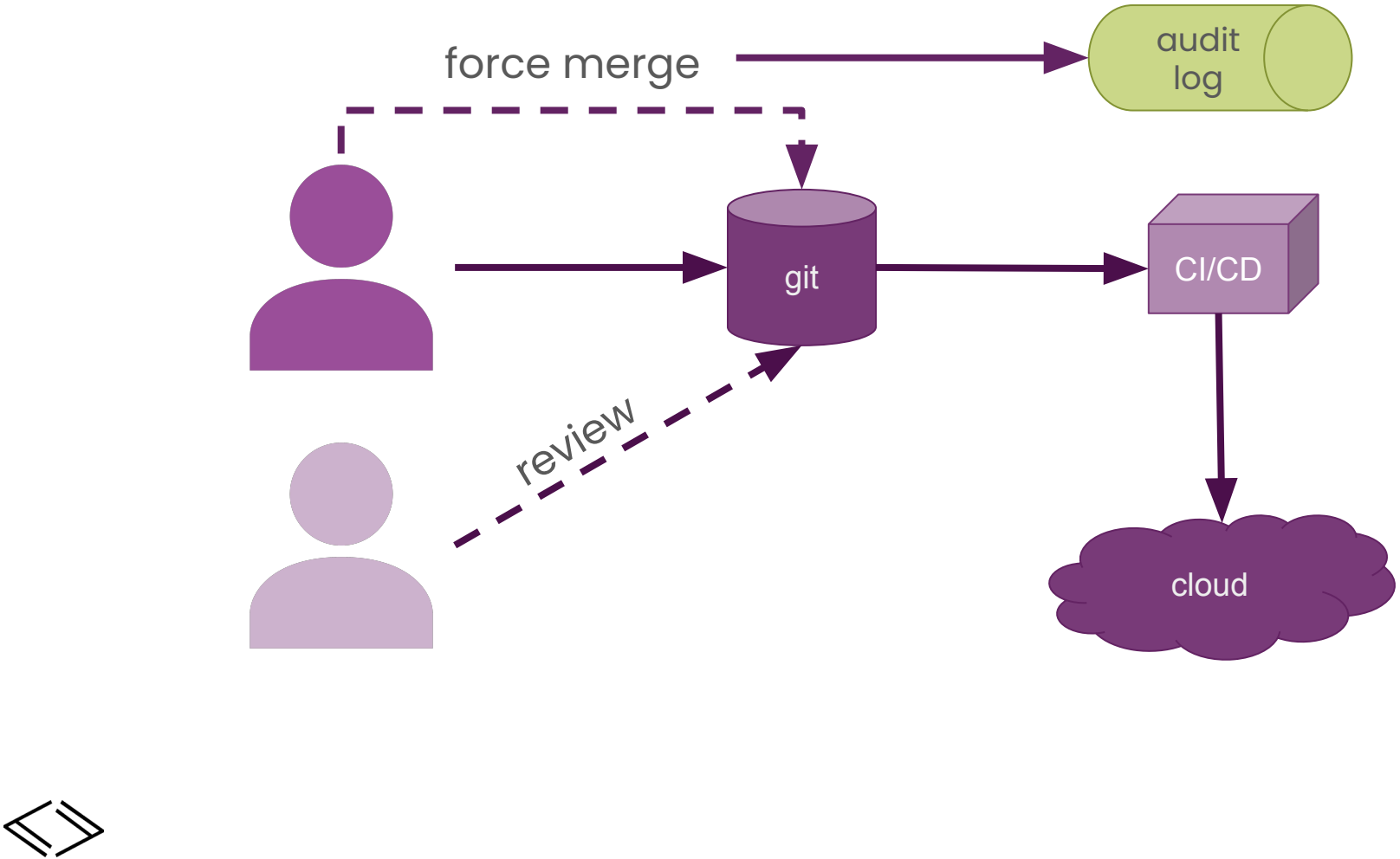
audit review friendly defaults




git
CI/CD
review
cloud

3 am




force merge
audit
log
git
CI/CD
review
cloud

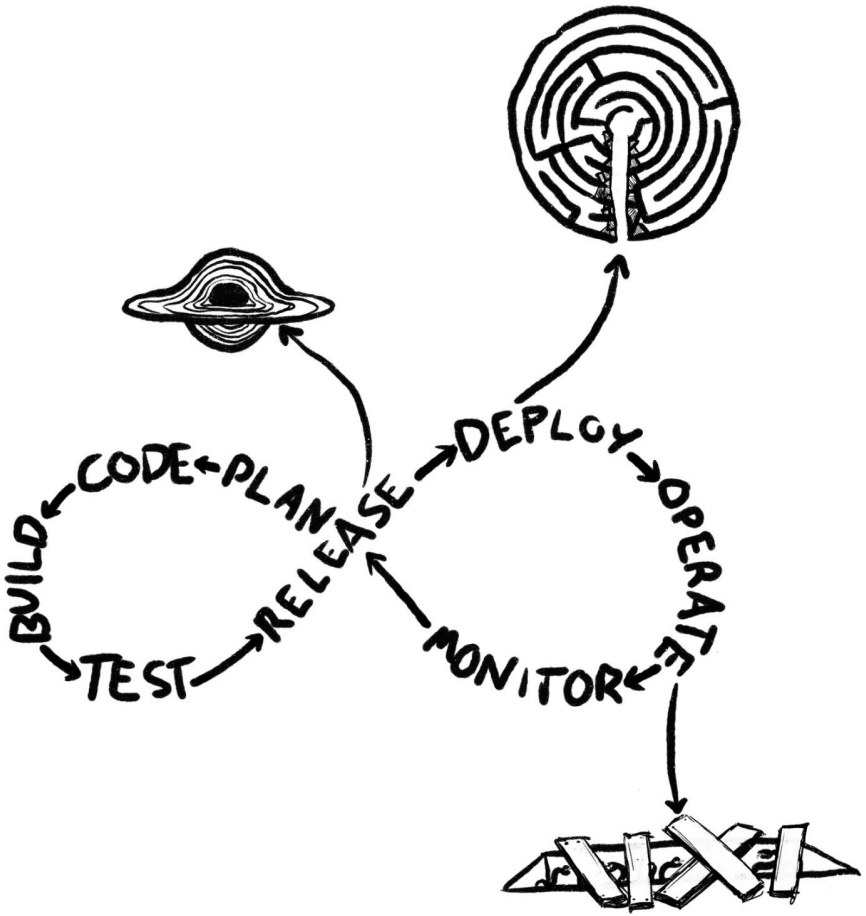
Audit review friendly defaults

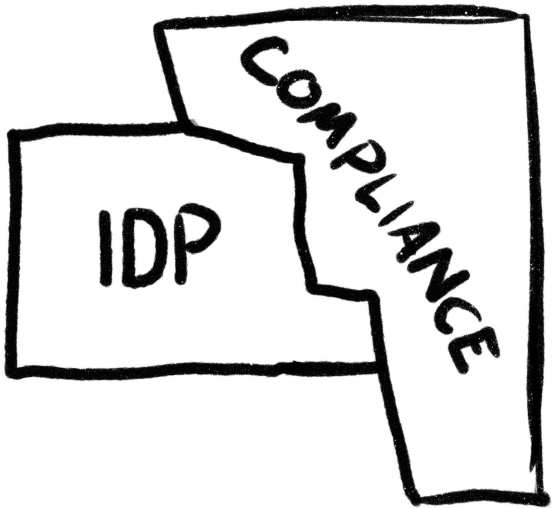
+ No extra setup for teams
+ Breakglass in case of emergency
+ Audit events allows review of overrides

- Lock-in solution
- *




GLUE

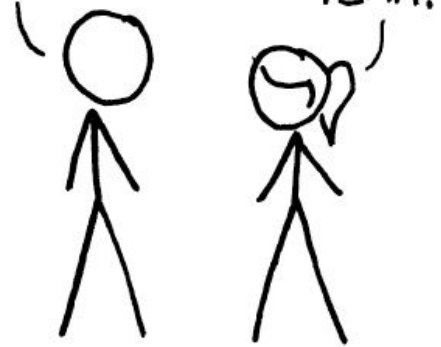

BUILD
CODE
PLAN
RELEASE
DEPLOY
OPERATE
TEST
MONITOR


IDP
COMPLIANCE

HOW STANDARDS PROLIFERATE:
(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)

SITUATION:
THERE ARE
14 COMPETING
STANDARDS.

14?! RIDICULOUS!
WE NEED TO DEVELOP
ONE UNIVERSAL STANDARD
THAT COVERS EVERYONE'S
USE CASES.



SOON:

SITUATION:
THERE ARE
15 COMPETING
STANDARDS.