

STATISTICAL PROGRAMMING IN THE 21ST CENTURY

- ADAPTING INNOVATIONS FROM SOFTWARE
DEVELOPMENT

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PHUSE SDE UK - 10FEB2025



VIEWS AND OPINIONS EXPRESSED ARE THOSE OF THE SPEAKERS AND NOT
NECESSARILY NOVO NORDISK

STATISTICAL PROGRAMMING IS
SPECIAL

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- ONE TIME DELIVERY

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- ONE TIME DELIVERY
- TRANSPARENCY AND REPRODUCIBILITY

.. BUT NOT SO SPECIAL

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- QA, EXPLORATORY ANALYSIS, HTA WORK.. LOOKS A BIT LIKE CONTINUOUS DELIVERY

.. BUT NOT SO SPECIAL

- QA, EXPLORATORY ANALYSIS, HTA WORK.. LOOKS A BIT LIKE CONTINUOUS DELIVERY
- TRANSPARENCY AND REPRODUCIBILITY - OTHERS ACTUALLY NEED THIS TOO.



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WHY IS GIT IMPORTANT?

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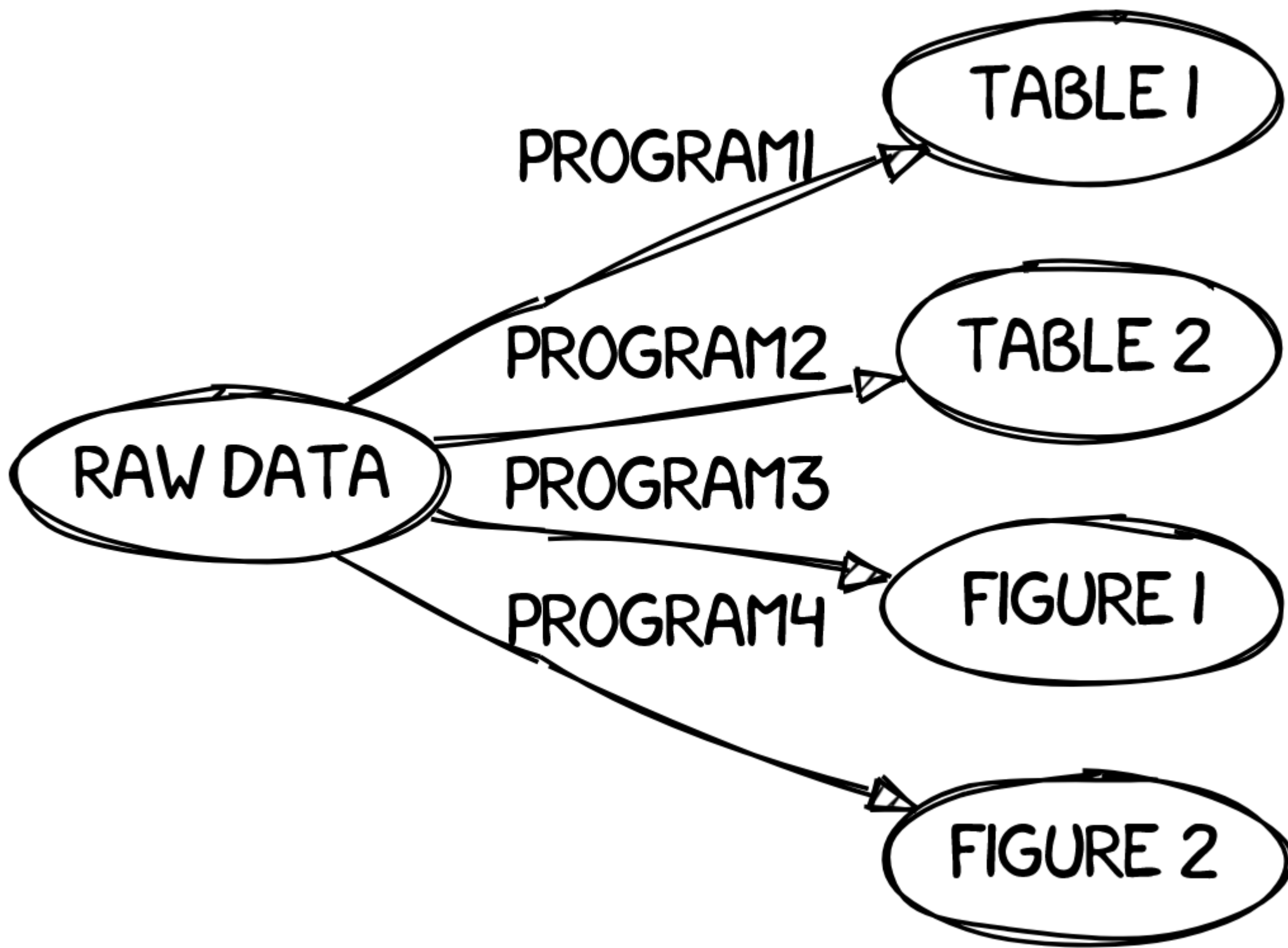
- DATA IS GROWING, TIMELINES ARE SHORTENING

WHY IS GIT IMPORTANT?

- DATA IS GROWING, TIMELINES ARE SHORTENING
- OUR APPROACH EVOLVES

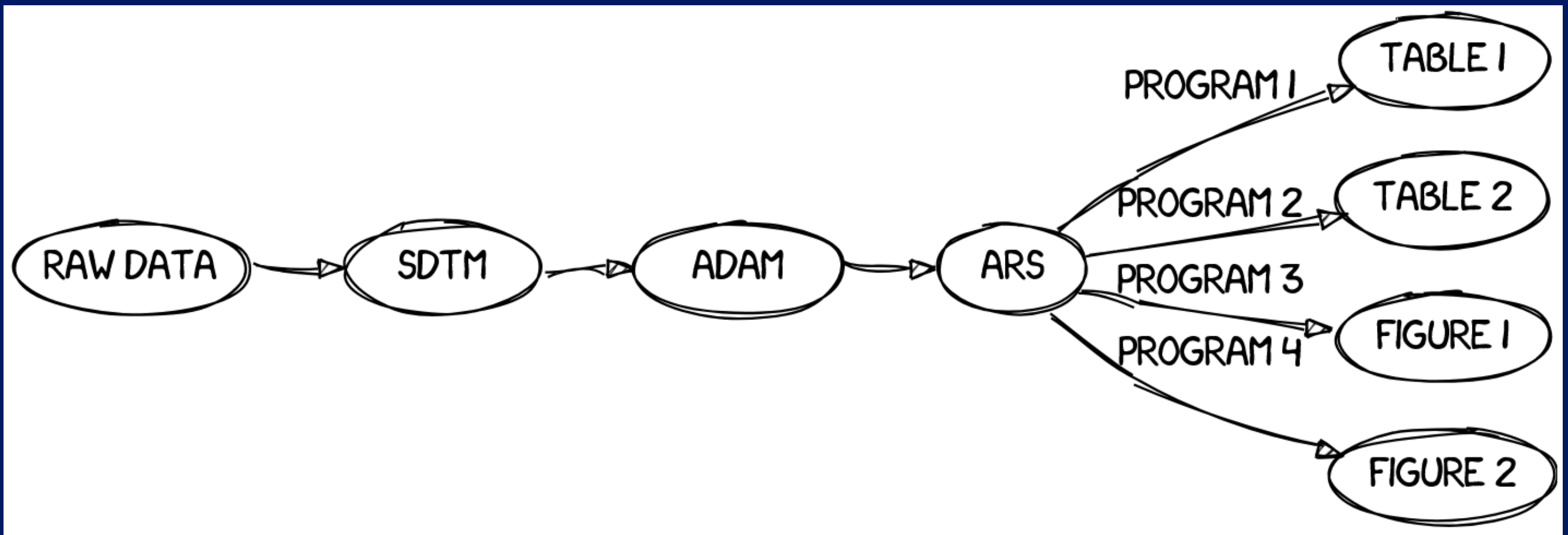
WHY IS GIT IMPORTANT?

BEFORE



WHY IS GIT IMPORTANT?

AFTER



WHY IS GIT IMPORTANT?

- DATA IS GROWING, TIMELINES ARE SHORTENING
- OUR APPROACH EVOLVES
- ALL TOOLS FROM THE SOFTWARE WORLD REVOLVES AROUND GIT

WHY DID WE START USING GIT?

WHY DID WE START USING GIT?

- PEOPLE WERE ASKING FOR IT

WHY DID WE START USING GIT?

- PEOPLE WERE ASKING FOR IT
- BACKUP

WHY DID WE START USING GIT?

- PEOPLE WERE ASKING FOR IT
- BACKUP
- FULL HISTORY

WHY DID WE START USING GIT?

- PEOPLE WERE ASKING FOR IT
- BACKUP
- FULL HISTORY
- (ENABLING THE FUTURE)

WHY SHOULD I LISTEN TO YOU?

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- GIT SETUP AVAILABLE SINCE 18 AUGUST 2021

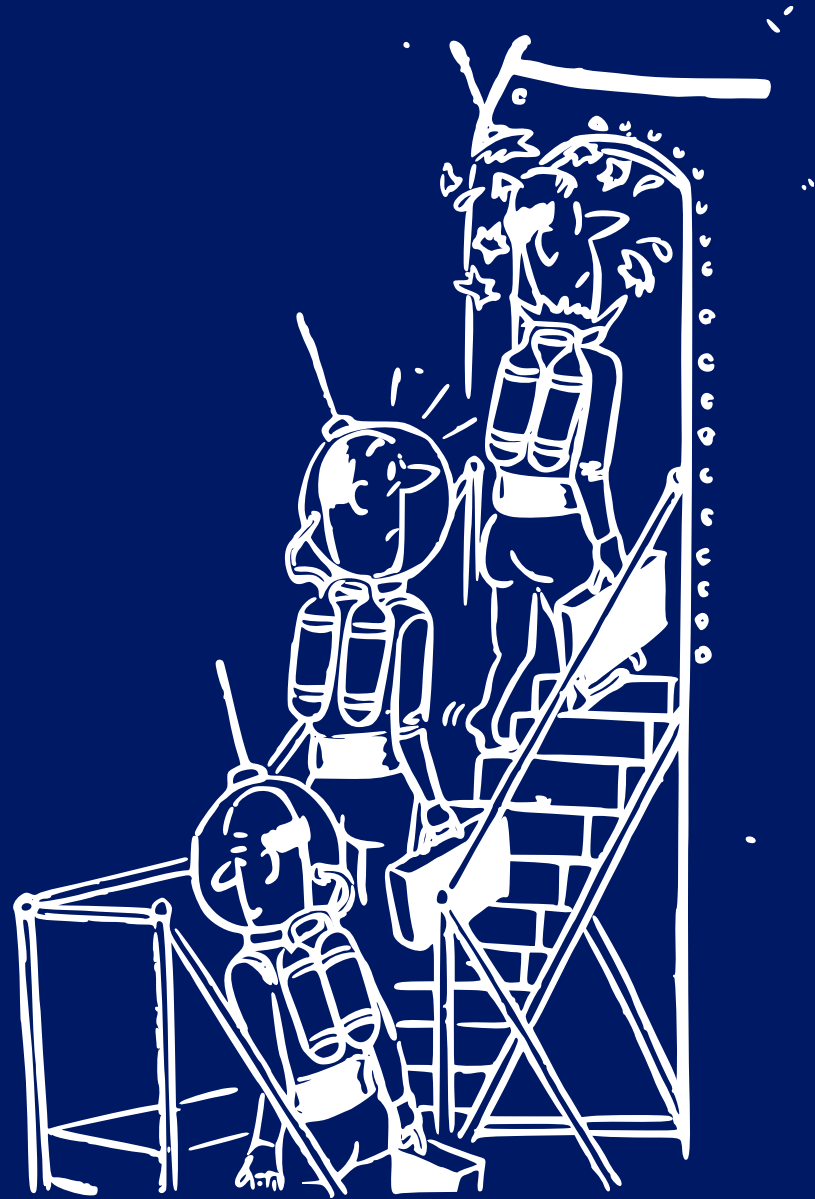
WHY SHOULD I LISTEN TO YOU?

- GIT SETUP AVAILABLE SINCE 18 AUGUST 2021
- MANDATORY SINCE 10 JUNE 2024

WHY SHOULD I LISTEN TO YOU?

- GIT SETUP AVAILABLE SINCE 18 AUGUST 2021
- MANDATORY SINCE 10 JUNE 2024
- 1200-1500 STUDY ACTIVITY GIT REPOSITORIES

OUR JOURNEY



WORKING GROUP

BROAD REPRESENTATION

FOCUSED GROUP

FOCUSED GROUP

- TASK KNOWLEDGE

FOCUSED GROUP

- TASK KNOWLEDGE
- ORGANISATIONAL KNOWLEDGE

FOCUSED GROUP

- TASK KNOWLEDGE
- ORGANISATIONAL KNOWLEDGE
- TECHNICAL KNOWLEDGE

FOCUSED GROUP

- TASK KNOWLEDGE
- ORGANISATIONAL KNOWLEDGE
- TECHNICAL KNOWLEDGE
- PRAGMATIC

GOALS

GOALS

- BACKUP

GOALS

- BACKUP
- FULL HISTORY

GOALS

- BACKUP
- FULL HISTORY
- GET STARTED - MAKE IT EASY!

CHALLENGES

CHALLENGES

- PROCESSES

CHALLENGES

- PROCESSES
- IT

CHALLENGES

- PROCESSES
- IT
- PEOPLE

PROCESSES

PROCESSES

GOAL

PROCESSES

GOAL
MAKE IT EASY!

PROCESSES

GOAL
MAKE IT EASY!

SO

PROCESSES

GOAL

MAKE IT EASY!

SO

MATCH EXISTING PROCESSES

IT JOURNEY

USE GIT IN CURRENT WORK AREA

USE GIT HOOKS TO PLACE CODE CORRECTLY

USE ONEDRIVE

LETS MAKE IT MODULAR!

- LOCAL REPOSITORY
- REMOTE REPOSITORY
- TRANSFER

SCRIPT THE SETUP!

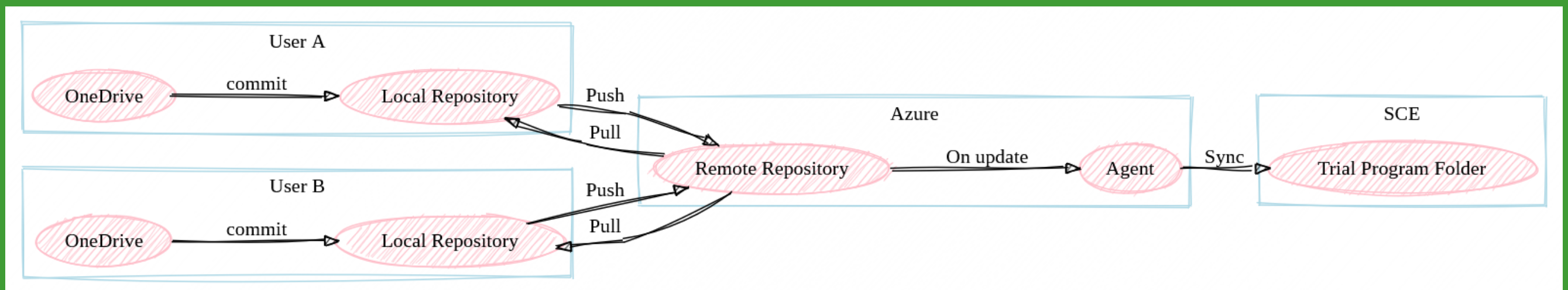
A NAIVE AGENT MECHANISM

AGENT

NO NEW SCE

WRITE PERMISSIONS

IT WORKS



PEOPLE

TRADITIONAL PLAN

- DEVELOP
- DOCUMENT
- PILOT
- REWORK
- LAUNCH
- ONBOARDING

AGILE

JUST IN TIME ONBOARDING

JUST IN TIME ONBOARDING

- WHEN NEEDED

JUST IN TIME ONBOARDING

- WHEN NEEDED
- EYE-LEVEL ONBOARDING

TOP DOWN



BOTTOM UP



ACTUAL EVENTS

ACTUAL EVENTS

- DEVELOPMENT

ACTUAL EVENTS

- DEVELOPMENT
- DOCUMENTATION

ACTUAL EVENTS

- DEVELOPMENT
- DOCUMENTATION
- PILOTS

ACTUAL EVENTS

- DEVELOPMENT
- DOCUMENTATION
- PILOTS
- LAUNCH

REFLECTIONS

REFLECTIONS

- DIRECTION > SPECIFICATION

REFLECTIONS

- DIRECTION > SPECIFICATION
- THE RIGHT PEOPLE

REFLECTIONS

- DIRECTION > SPECIFICATION
- THE RIGHT PEOPLE
- AGILE MINDSET

REFLECTIONS

- DIRECTION > SPECIFICATION
- THE RIGHT PEOPLE
- AGILE MINDSET
- PROTOTYPE

REFLECTIONS

- DIRECTION > SPECIFICATION
- THE RIGHT PEOPLE
- AGILE MINDSET
- PROTOTYPE
- BOTTOM UP

REFLECTIONS

- DIRECTION > SPECIFICATION
- THE RIGHT PEOPLE
- AGILE MINDSET
- PROTOTYPE
- BOTTOM UP
- MAKE PEOPLE FEEL SAFE

REFLECTIONS

- DIRECTION > SPECIFICATION
- THE RIGHT PEOPLE
- AGILE MINDSET
- PROTOTYPE
- BOTTOM UP
- MAKE PEOPLE FEEL SAFE
- BE READY TO ADAPT

THANK YOU!