## F.A.I.R. DATA MANAGEMENT WITH DATALAD



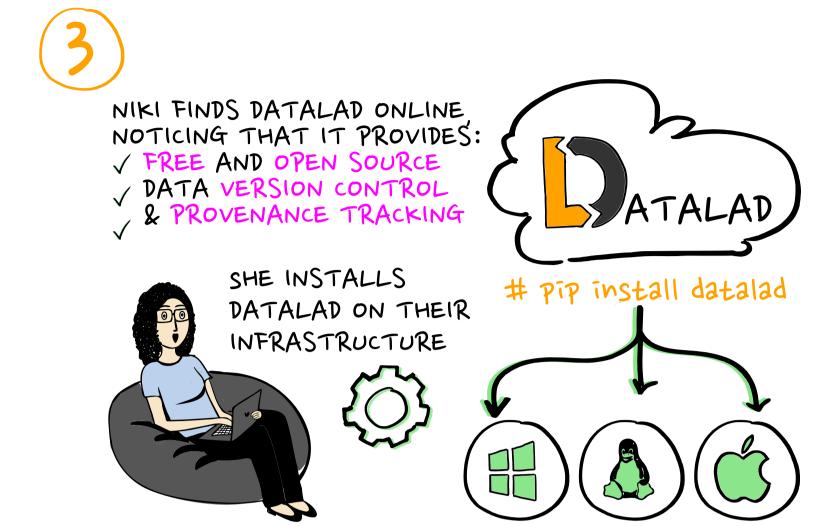




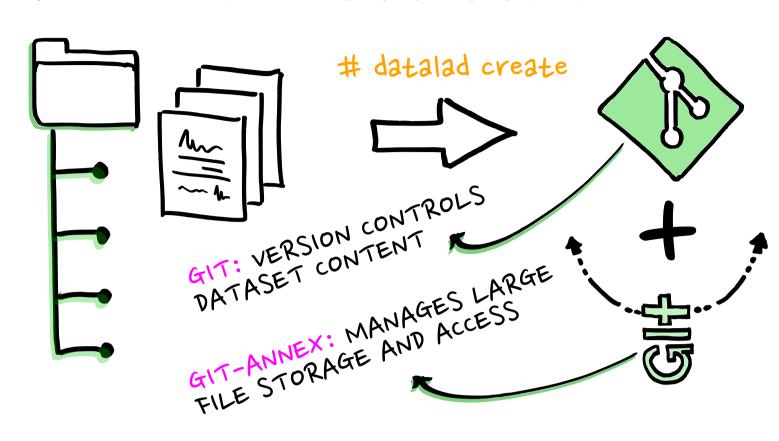


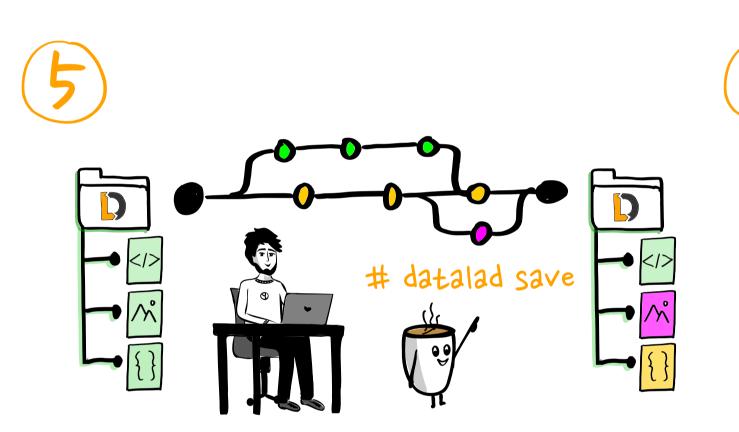
THEY WANT TO ORGANIZE AND KEEP TRACK OF ALL THEIR DATA ON A LOCAL COMPUTE CLUSTER. COMPUTERS, AND HARDDRIVES.
LOW MAINTENANCE AND LOW
COSTS ARE IMPORTANT.





FIRST THEY ORGANIZE FILES INTO MODULAR UNITS AND TURN THESE INTO DATALAD DATASETS:





THEN THE TEAM LEARNS TO COLLABORATE USING DATALAD & GIT. THEY CREATE DATASET BRANCHES AND ADD, SAVE, AND MERGE CHANGES, WHILE RETAINING A FULL, AUDITABLE HISTORY.

<u>~~~</u>

NIKI CAN NOW

STATE LOCALLY

ATALAD RERUN

RECORD ALLOWS

NIKI TO RUN THE

PIPELINE ON THE

SAME INPUTS TO

CONFIRM THAT

THE OUTPUTS ARE IDENTICAL!

AFTER PRIYA'S

ALONG WITH THE

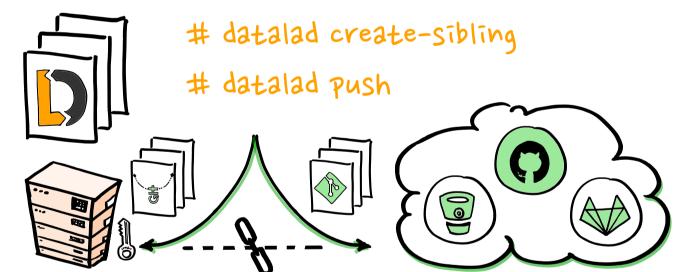
PROVENANCE

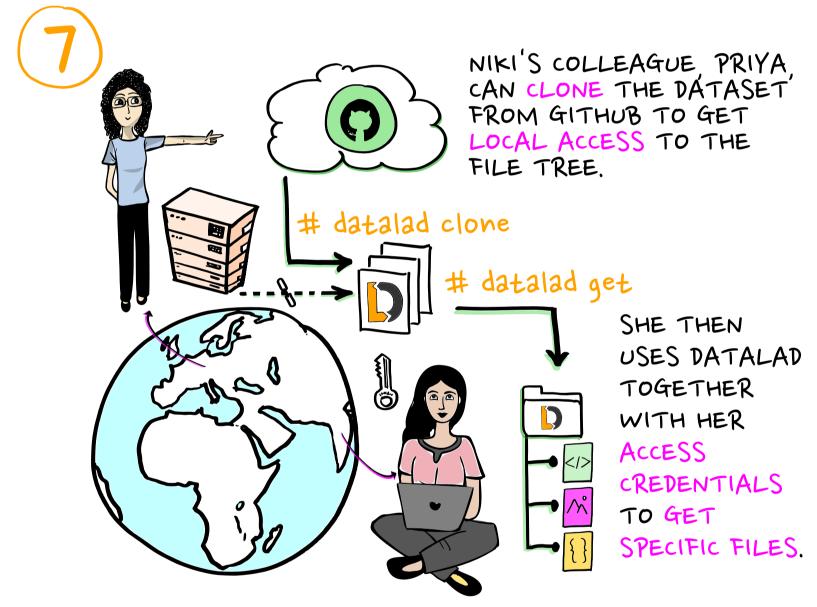
EXACT SAME

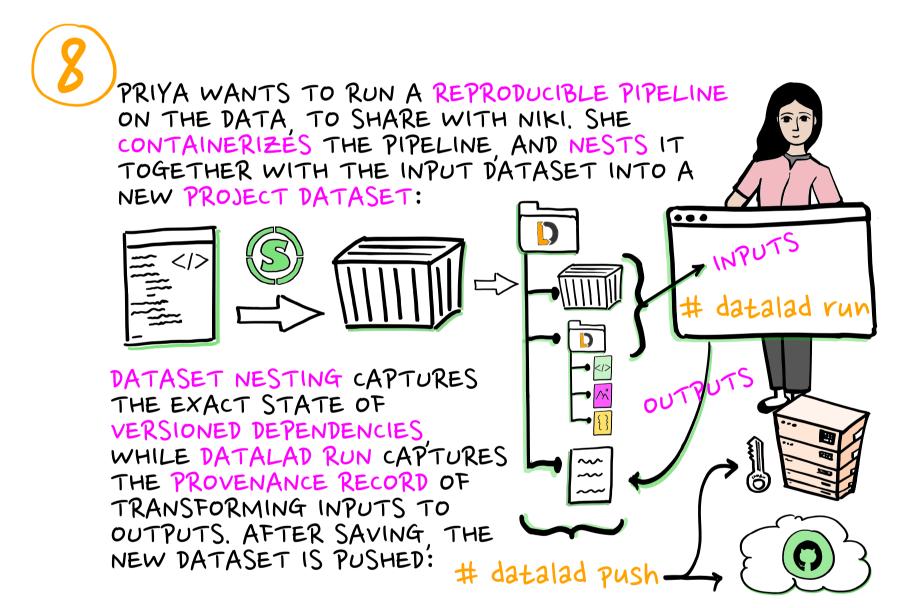
UPDATE HER

CHANGES.

FOR DECENTRALIZED COLLABORATIONS NIKI PUBLISHES THEIR DATALAD DATASETS TO GITHUB. THE LIGHTWEIGHT GIT REPOSITORIES ARE MADE PUBLIC, WHILE THE ACTUAL DATA REMAIN STORED LOCALLY, SECURELY, YET STILL ACCESSIBLY.





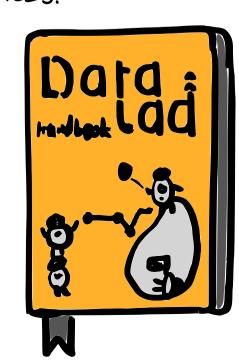




NIKI IS VERY SATISFIED WITH HER TEAM'S NEW DATA MANAGEMENT TOOL AND PRACTICES.

http://handbook.datalad.org/

AS THEY EXPLORE MORE CAPABILITIES. SHE FINDS A WEALTH OF USAGE INFORMATION AND PRACTICAL EXAMPLES IN THE DATALAD HANDBOOK



INTEROPERABLE AND REUSABLE! (S)(3) SINGULARITY

THEY ALSO LEARN THAT DATALAD'S INTEGRATIONS AND EXTENSIONS INCLUDE WIDELY USED DATA MANAGEMENT AND STORAGE SERVICES. THEY PLAN TO USE THESE WITH DATALAD TO MAKE THEIR DATA AND CODE MORE FINDABLE, ACCESSIBLE,



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