Nuvolos

The Knowledge Creation Cloud

alphacruncher

Presentation by: Tamer Khraisha

Swiss Research Data Day

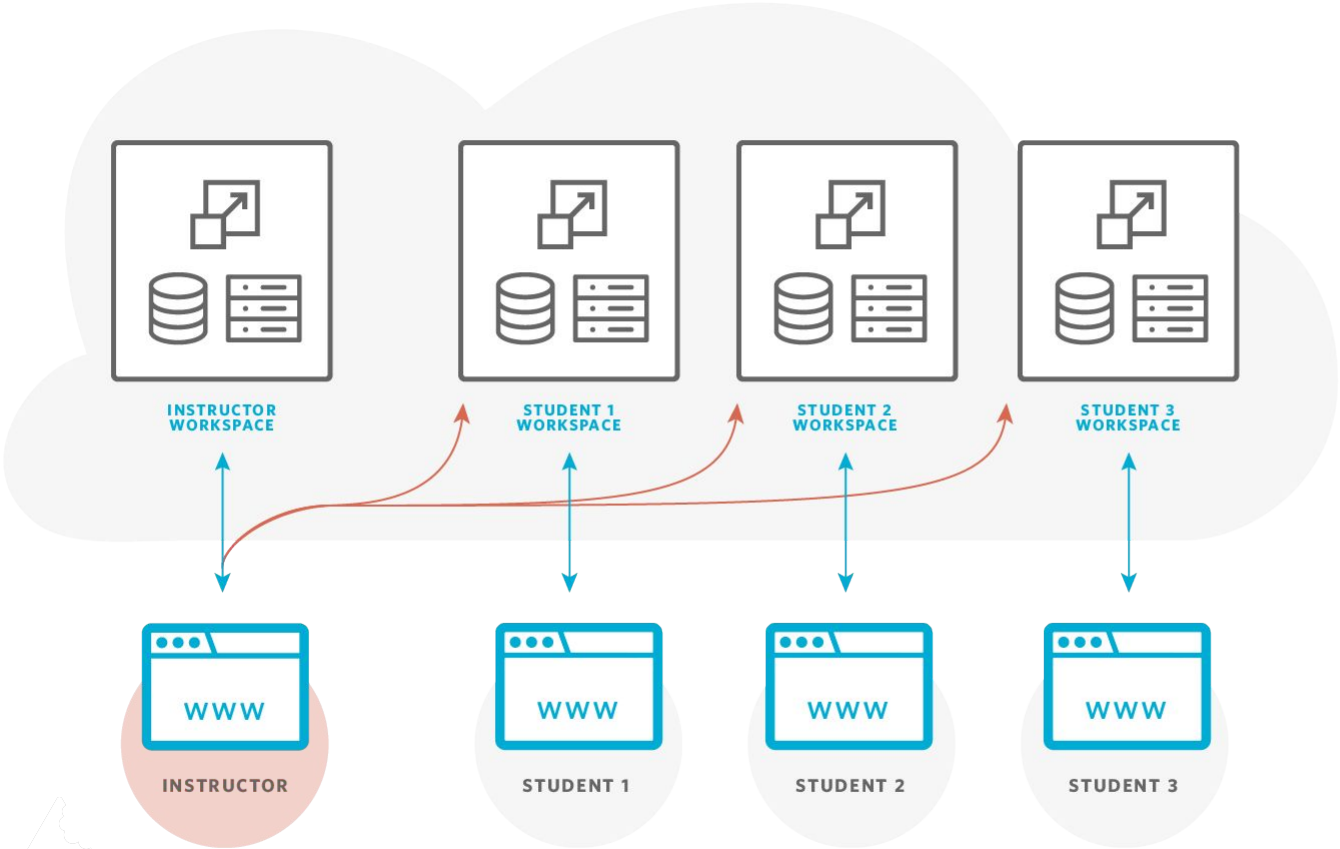
2020-22-10

- A complete, cloud-based platform optimized for data and code.
- Ideal for digital education, scientific research, and data hosting.

Digital education

A better teaching experience for everyone

Nuvolos features for digital education



identical student environments

instructor has control over all environments

purely web based access

Nuvolos creates novel and simplified workflows in digital education:

- A clean, simple, browser-based environment, with applications running in the cloud
- Instructors' **complete control** over students' environments; creation of **identical environments** for students is made trivial
- **Licensed software** (e.g. Matlab, Stata, SAS) are supported, granted that the licensee brings his/her licence to Nuvolos
- **Dissemination of teaching material** is greatly simplified by the distribute feature of Nuvolos
- **Group work** is supported by Nuvolos, where it is possible to create shared work environments
- Education, research, and data are all integrated in Nuvolos to form a **complete environment**

Scientific research

Create reproducible and shareable work

Scientific Research

NUVOLOS

Data hosting and access

Project control

Scale to HPC cluster

HPC CLUSTER NODE

Scientific Research: Boosted and nuisance-free

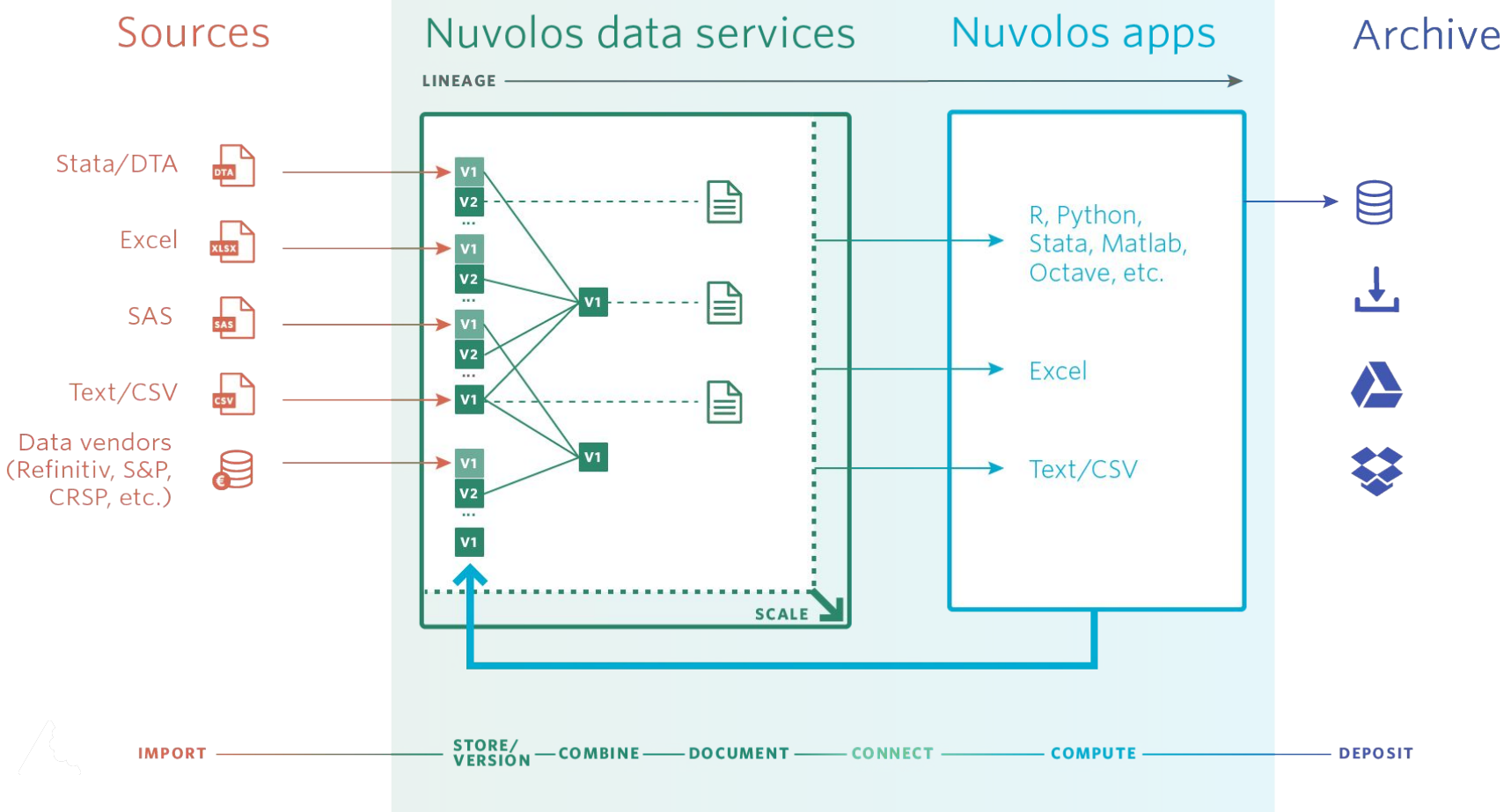
Nuvolos makes researchers' lives easier and provides innovative solutions:

- Purely cloud-based, scalable and complete environment for computation and data, which is integrated in a simple web platform
- Simplified project management and access control
- Nuvolos **enhances reproducibility** of research results, by providing a complete, consistent and point-in-time **version history** of data, code and application packages
- **Skilled and experienced scientific support**
- Research, data and education are all integrated in Nuvolos to form a **complete environment**

Data platform

Universal access to data and computation

Data Platform: Master your data



Data Platform: Integrated storage solution

Nuvolos is a native cloud data **hosting platform** backed by best-in-class service:

- Nuvolos is designed for **secure data sharing and collaboration**
- Organisations unify disparate data channels and custom integrations inside **one central repository** in Nuvolos, with the ability to distribute any data stream to users, applications and other destinations worldwide
- Nuvolos **automates data onboarding** from many popular data providers/datasets (e.g. CRSP, COMPUSTAT) using integrated pipelines

Data Platform: Integrated storage solution

Nuvolos is a native cloud data **hosting platform** backed by best-in-class service:

- Workflow reproducibility is enhanced by **data version control**
- Seamless **integration** into education and research workflows
- Replaces high fixed costs with **pay-what-you-use variable costs**

contact@nuvolos.cloud

Mastering Data
Applying Science
Boosting Research

https://nuvolos.cloud