



Secure, Automated Data Access for NEMO-Managed Instruments



OUTLINE

We'll start with **the problem**, then **how we solved it**. Go **inside the solution** and through **the hurdles we faced**. Finish with **how you could deploy at your own facility**.

Getting data on and off instrument PCs

At user facilities such as MNFC, AMAP and IAC, users need to reach their data from their own systems.



THE CONSTRAINT

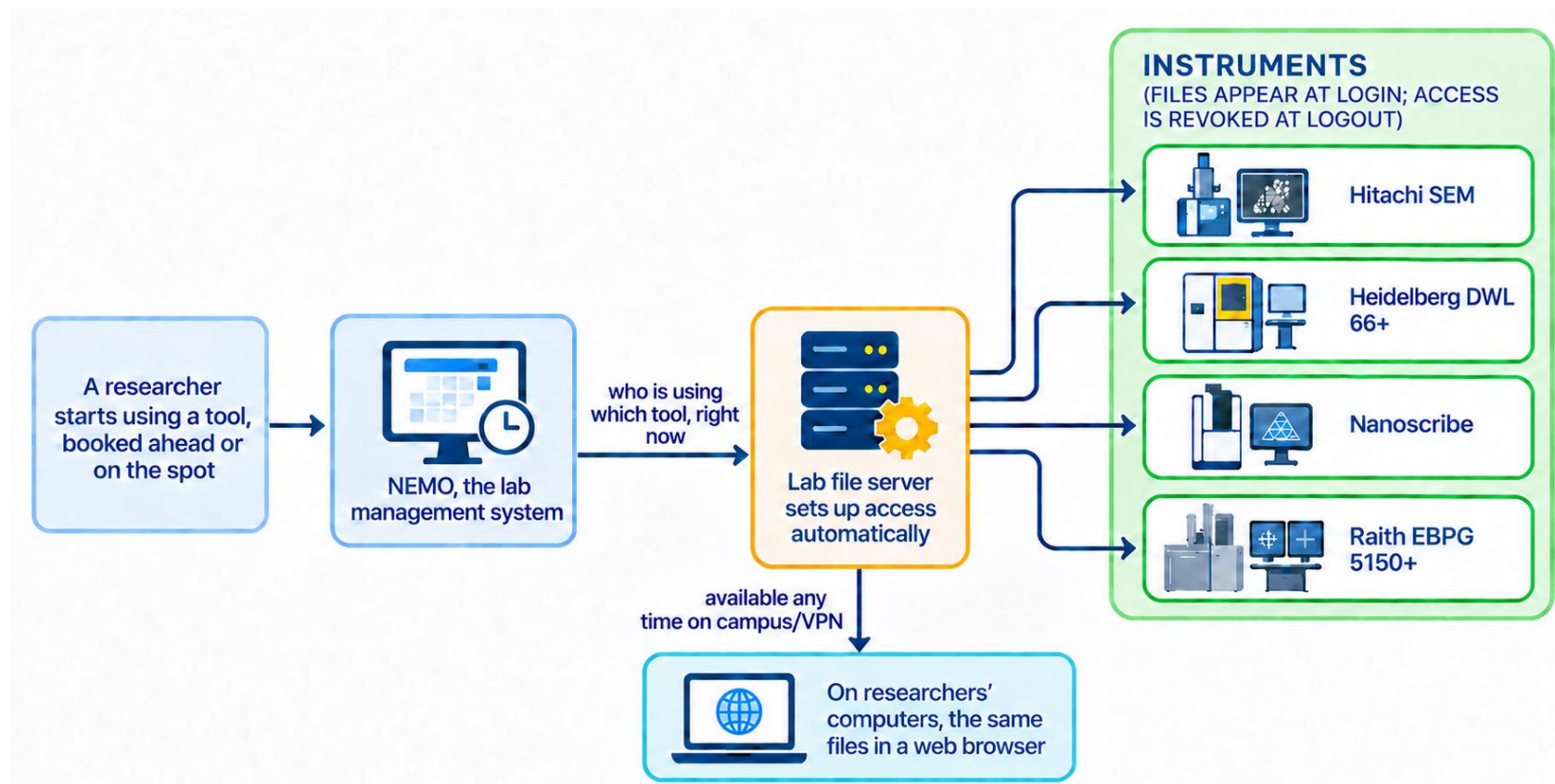
Tool PCs run a wide range of operating systems and legacy machines, and often cannot be updated without a very high cost or replacing the entire tool.

Three obvious answers, and why none of them fit

	USB drive Carry files	Cloud drive OneDrive, Google Drive	Network share Map a drive on the tool pc
Works with no internet	✓	✗	✓
Safe for old, unpatched tool PCs	✗	✗	?
Each user sees only their own files	✗	✓	✗
No credentials/data left on the tool PCs	✓	✗	✗
Access ends when the NEMO session ends	✗	✗	?

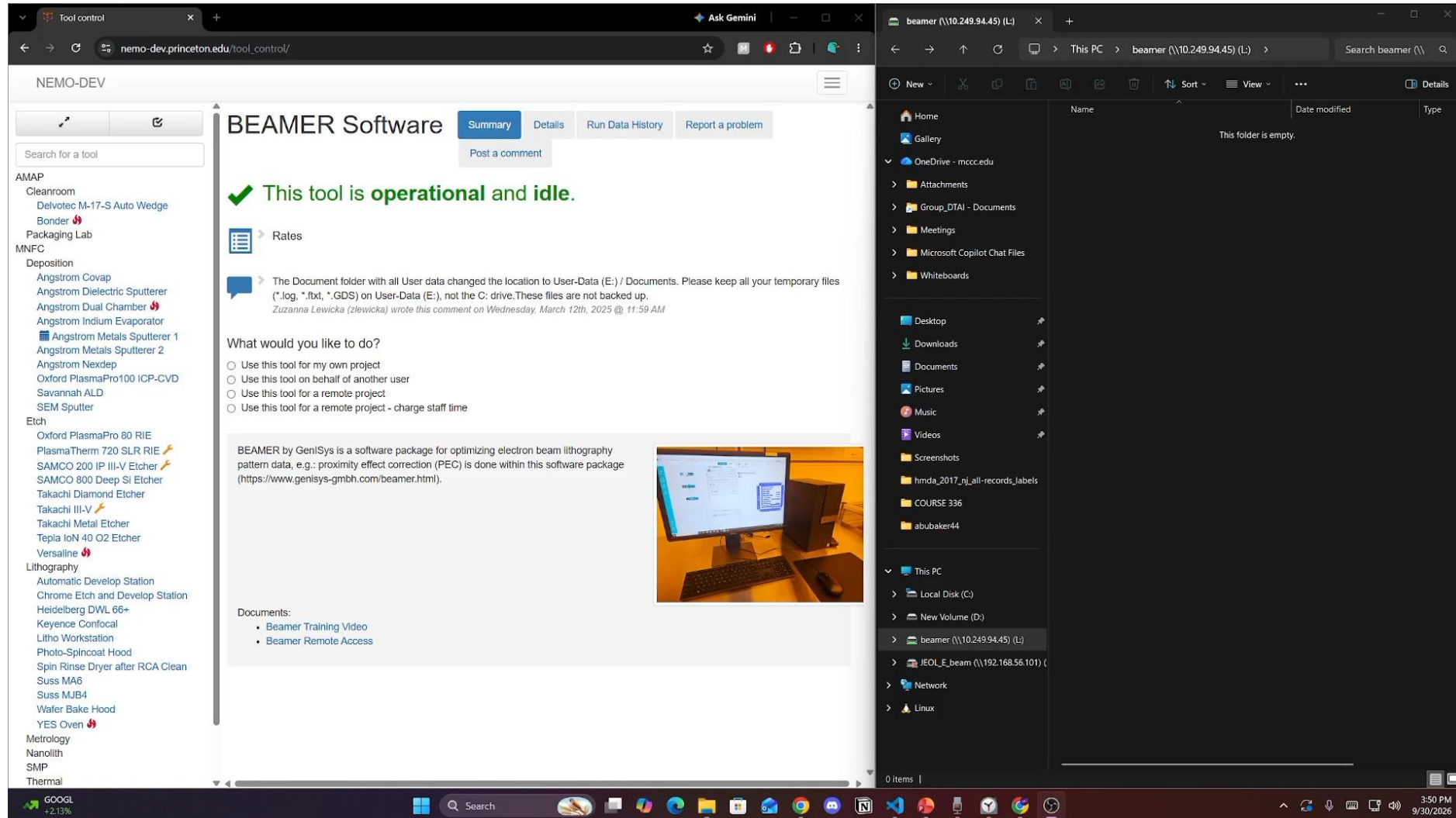
NEMO-driven, per-user file access.

NEMO informs the file server at login. The file server gives that user access to their own folders.



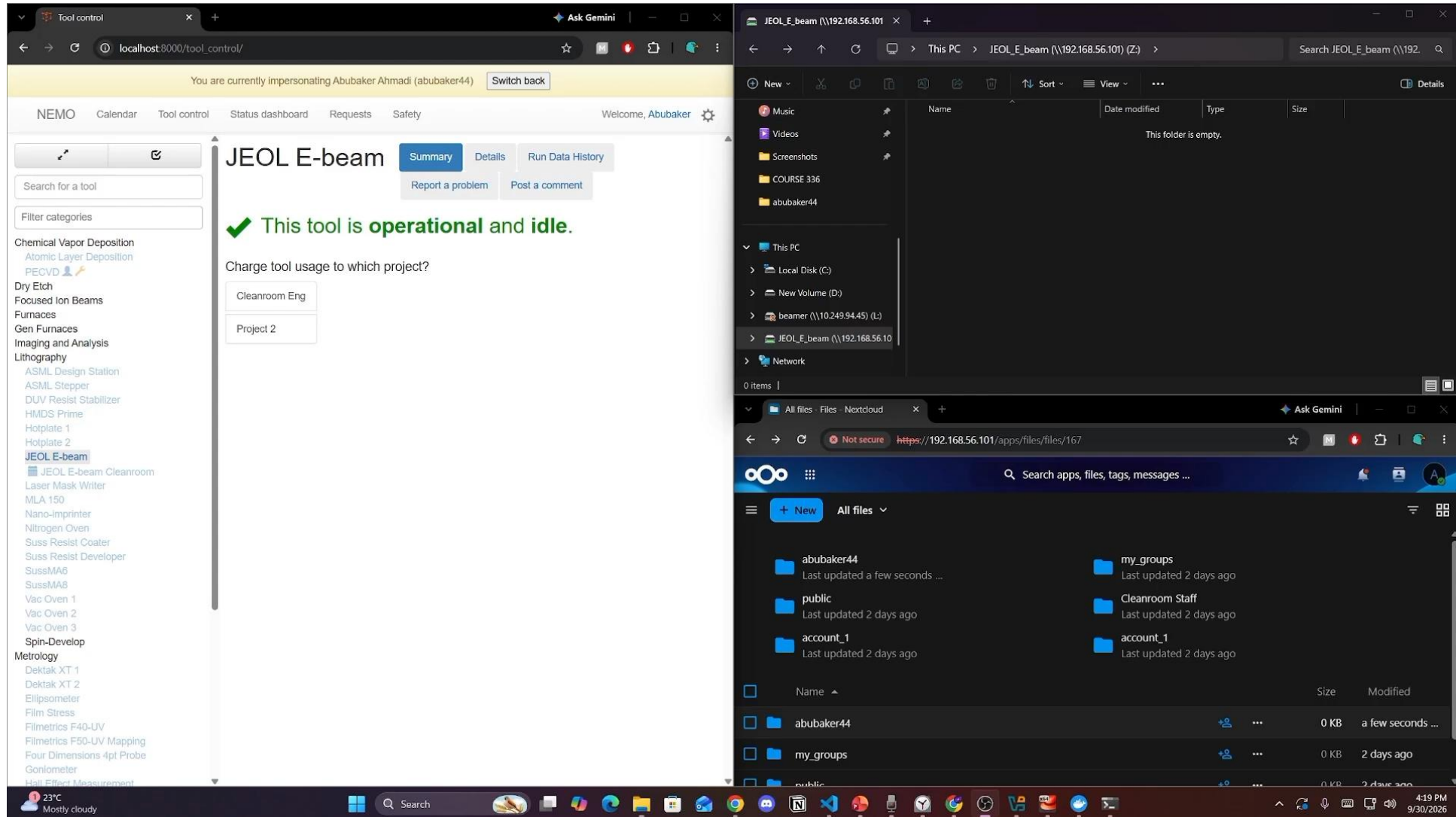
NEMO-driven, per-user file access demo.

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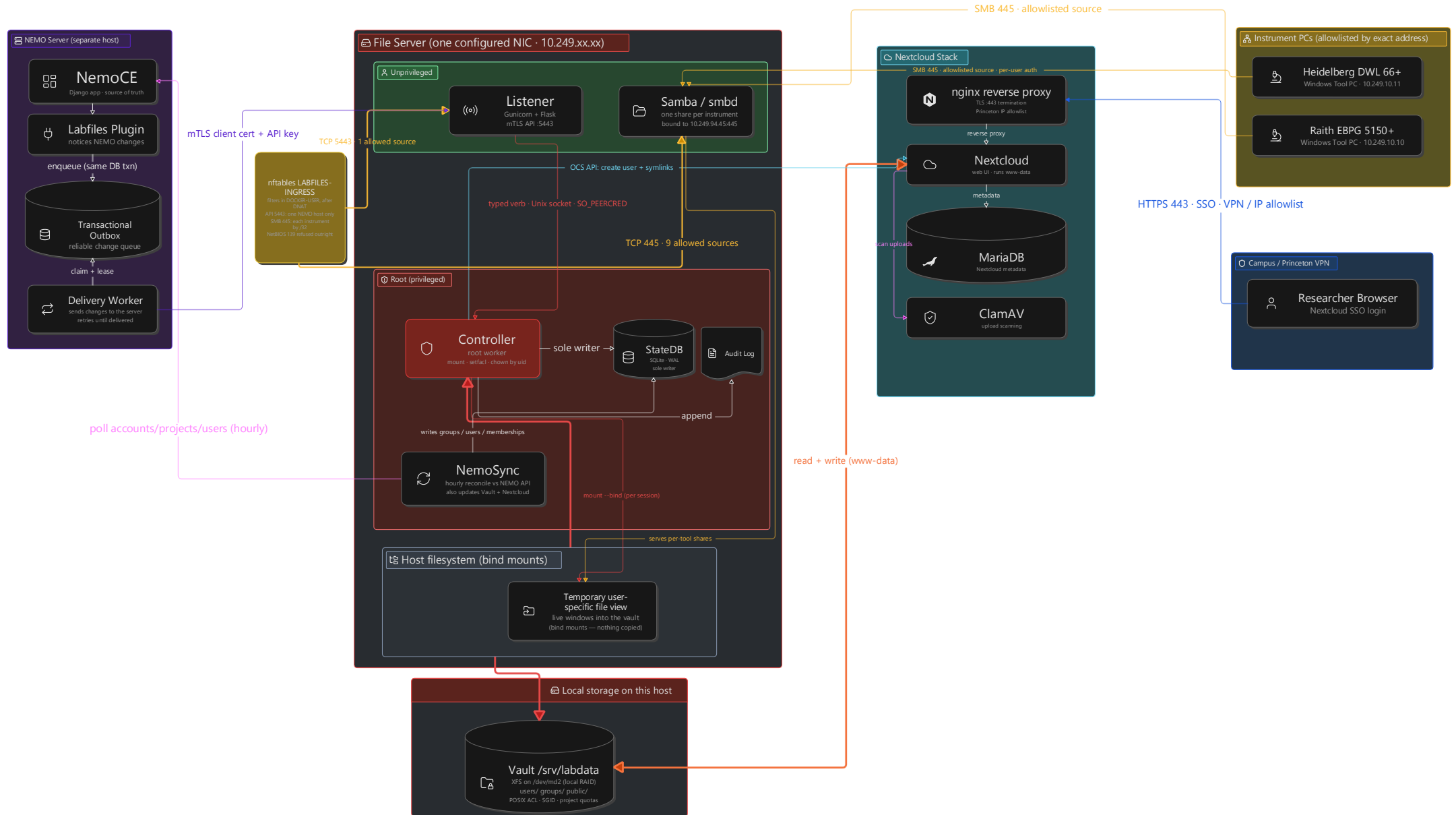


NEMO-driven, per-user file access demo.

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NEMO-SAFE - Architecture at a glance



One Architecture, Configured for Each Facility



SECURITY PRINCIPLES THAT REMAIN FIXED



Bring NEMO-SAFE to Your Facility



STEP 1

Contact our team

Discuss your needs and request access



STEP 2

Assess your environment

NEMO, instruments, storage, identity, security



STEP 3

Configure the integration

Tool mappings, storage, groups, network



STEP 4

Pilot one instrument

Validate the workflow with a few users



STEP 5

Expand gradually

Add instruments after testing and approval

Contact us and we will share the code with your facility, help you evaluate it, and support your planning and deployment.

Collaborative evaluation

We'll help determine whether LabFiles fits your facility.

Guided deployment

We can assist with configuration, testing, and knowledge transfer.

Open-source release

The public release is in preparation. Until then, the code is shared on request.



Interested in deploying NEMO-SAFE? **Talk with us after the presentation.**

