





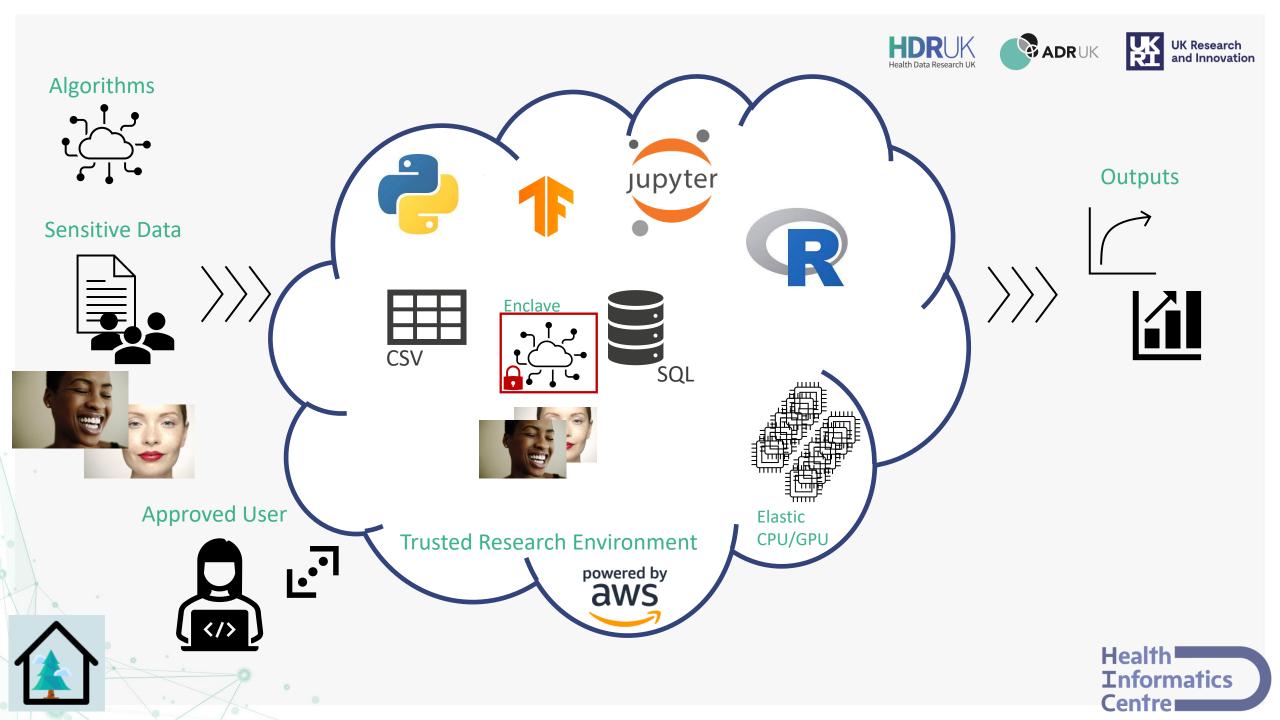


TREEHOOSE Mid-Sprint Progress



Dr Christian Cole

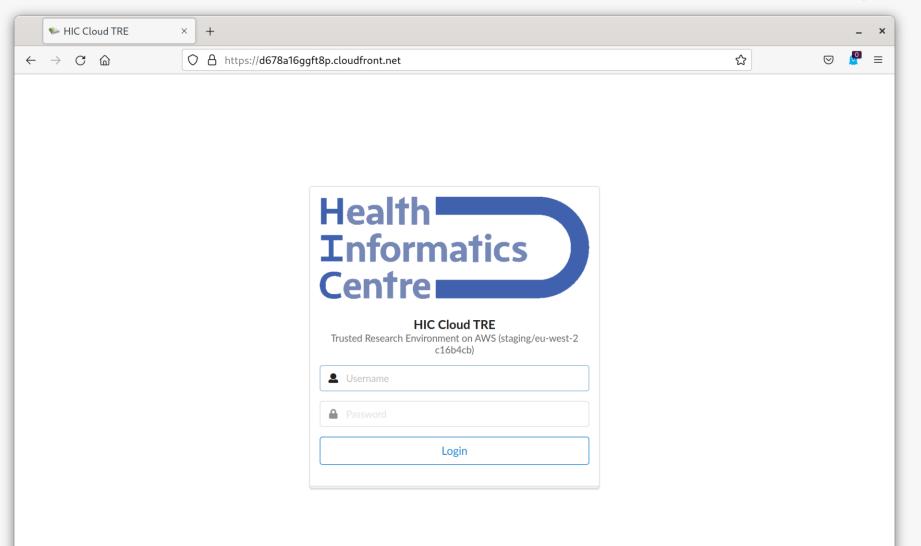










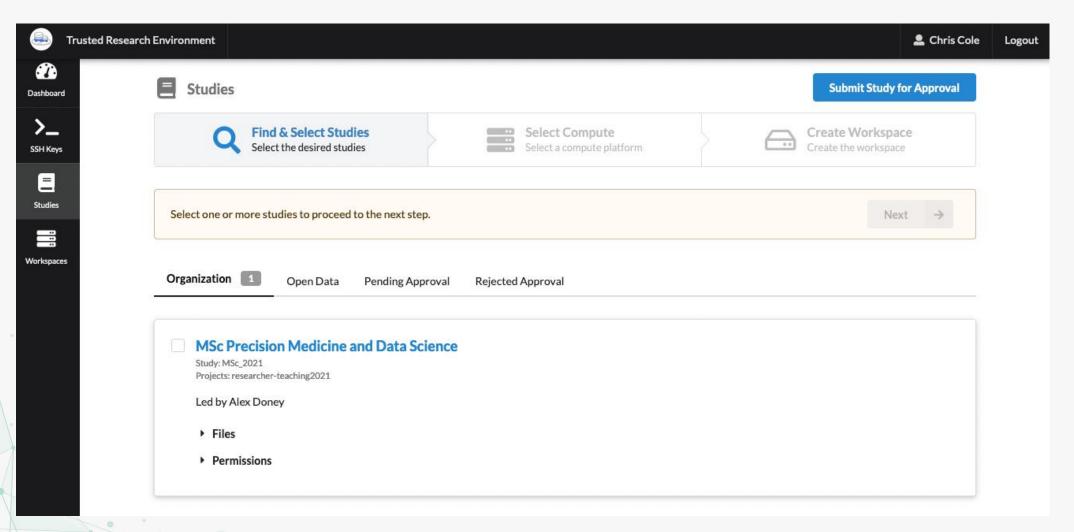










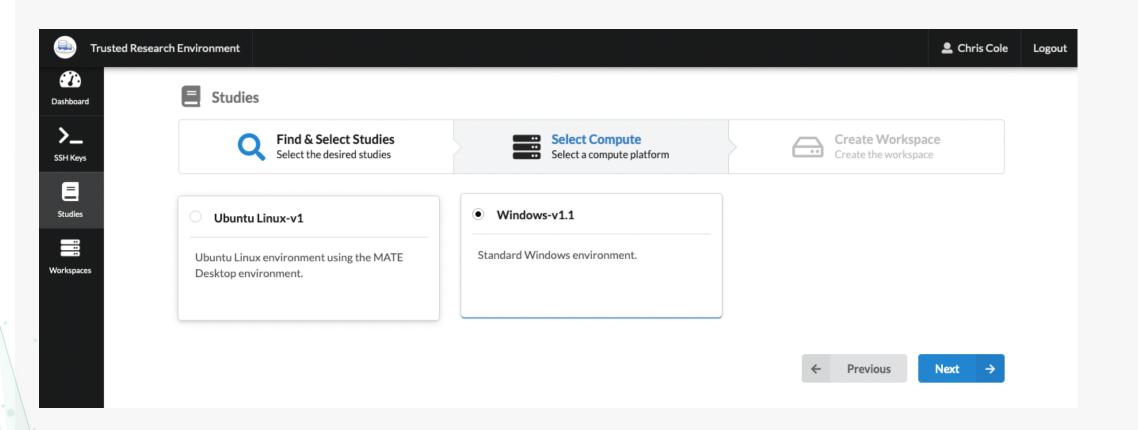










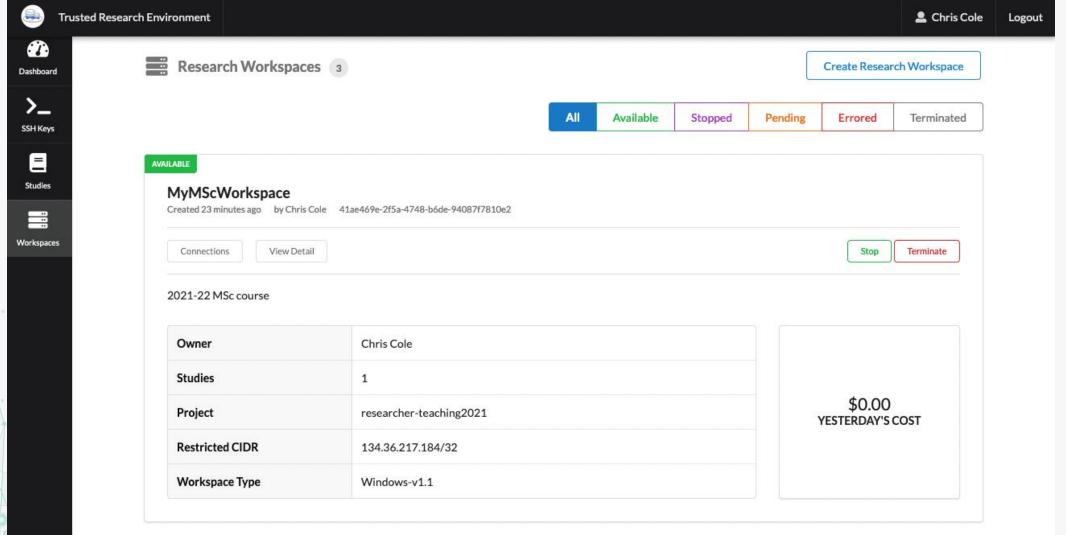










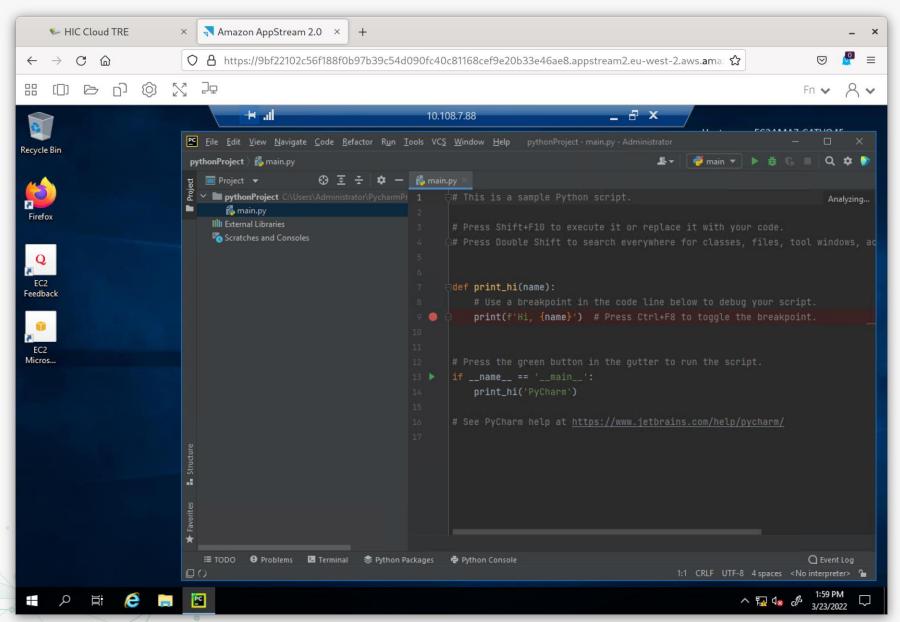










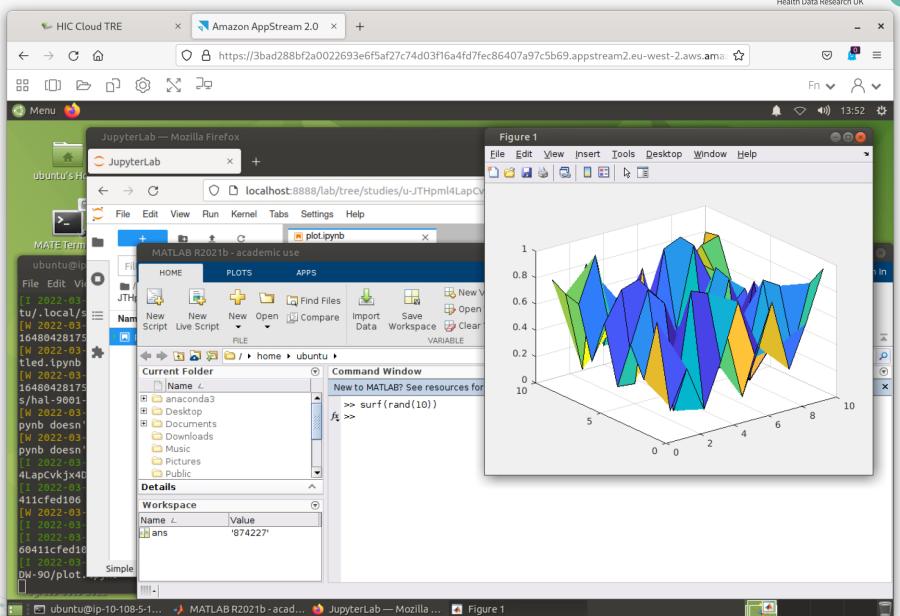








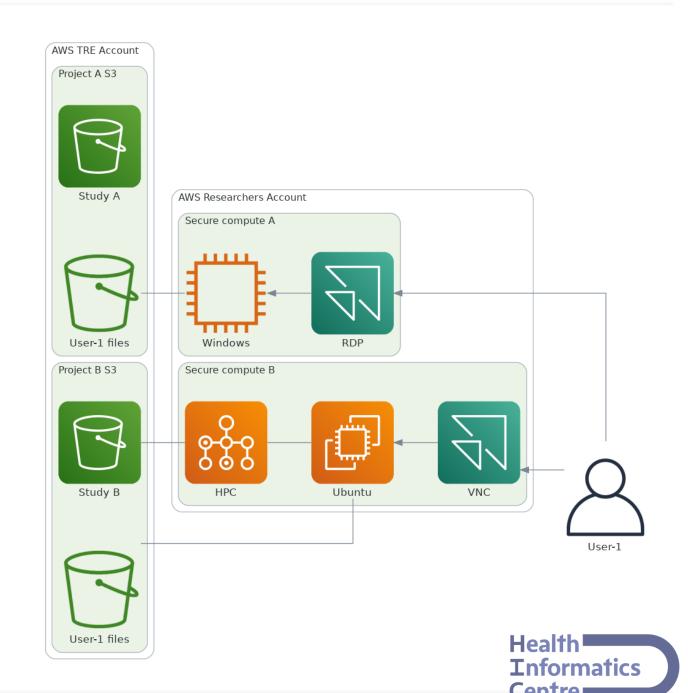






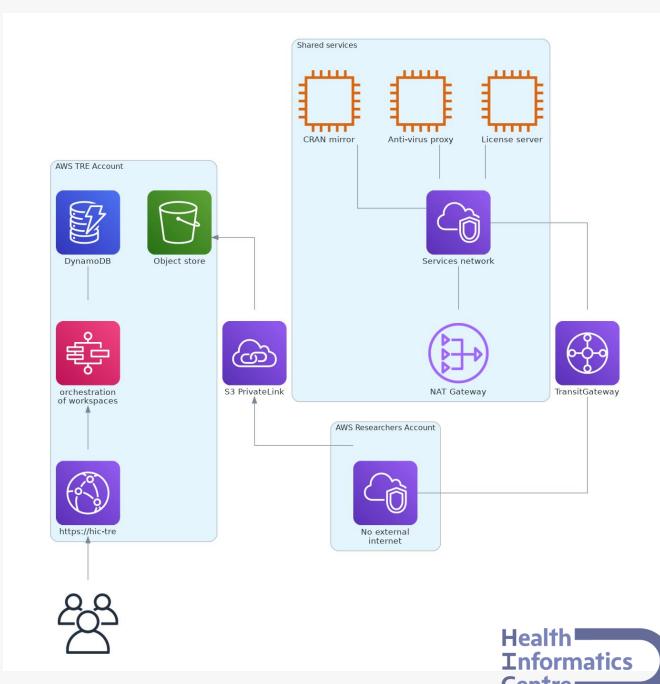
Infrastructure-as-code

- Storage is in one AWS account, separated by project
- Researcher workspaces in a separate AWS account
- Virtual display restricts copy/paste, webbrowser is the only interface
- No cross-over of user data between projects
 - Complies with Governance Requirements



Licencing

- Open-source: easy!
- Commercial: A problem when software requires a fixed host/MAC identifier, or external activation per instance
- MatLab: we run our own license server in the TRE (bridged to outside network)
- Microsoft Office: not yet optimised



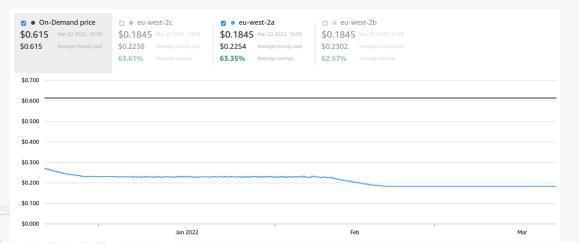






Managing Costs

- Understanding shared overheads: small number of large projects vs large number of small projects
- Many projects have different compute requirements, sustained workloads tend to be short term so reserved instances won't work
- Non constant interactive workloads (e.g. "office" hours) so savings plans don't work
- Cloud resilience vs cost: full redundancy is expensive









Challenges

- University Administration not "Sprinting"
 - Procurement with JISC, Finance, etc

- Project Planning with Industrial Partner
 - Aligning mutual needs and timelines
 - Setting up of agile sprints takes time

- University PPIE Resource "re-positioned"
 - Needed to find alternative











What's Next?





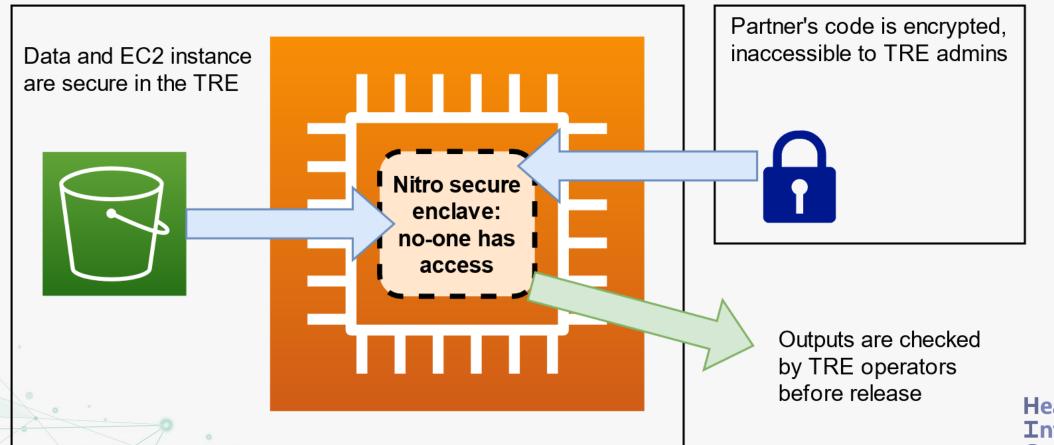




Secure Enclave

- Open source IXI dataset of brain MRIs
- Using open source deep learning classifier developed as part of PICTURES













PPIE

- Have experienced PPIE team in place
- Developing material now
- Workshops early May & early June
- DARE Sprint output late June/early July.













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Thank you for listening



