

Virtual Infrastructure with Database as a Service (VIDaaS) Project – Introduction & demonstration

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Virtual Infrastructure with
Database as a Service (VIDaaS)



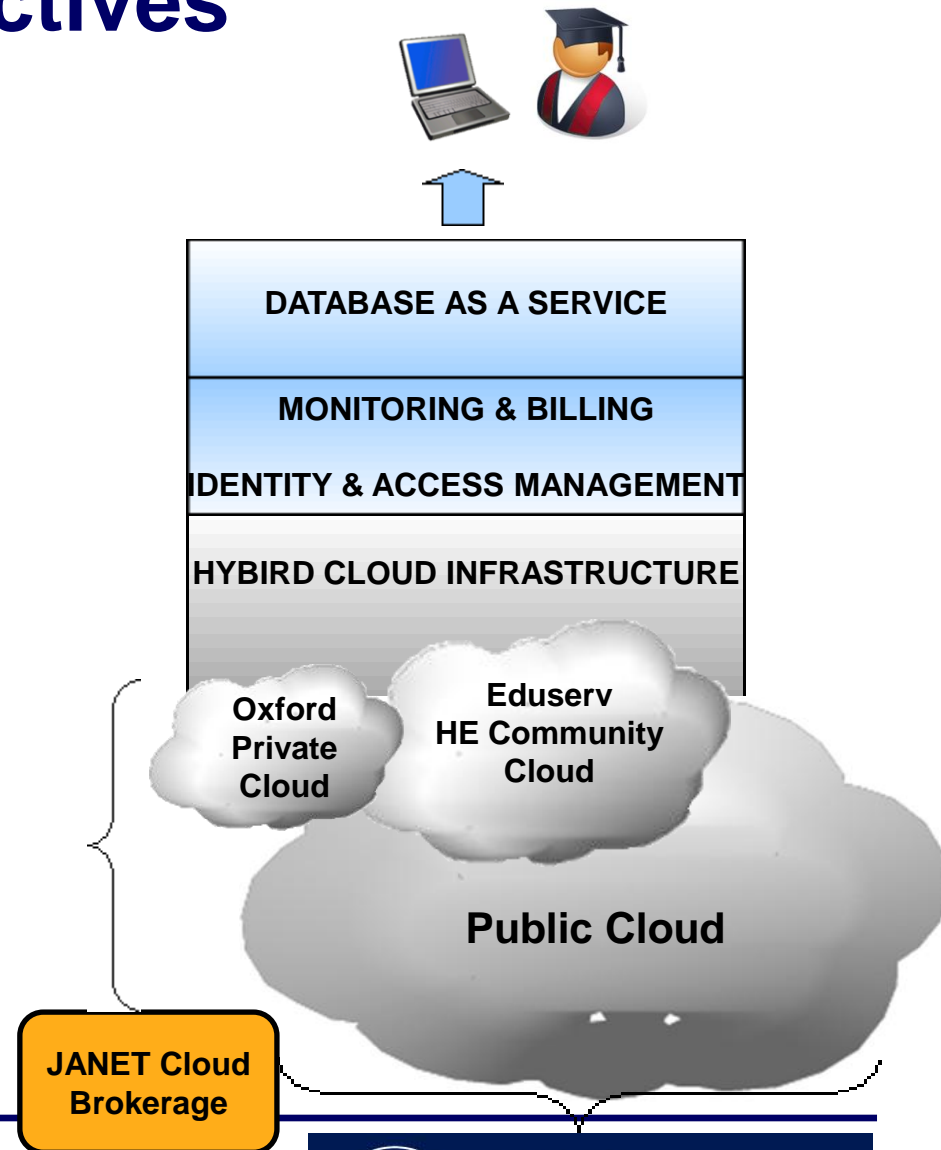
The background

- 2008 Computing Services conduct Internal scoping study into data management requirements
- Identified need for an online system whereby researchers can build, manage, and share their research databases – a ‘database as a service’
- Sudamih (JISC funded, 2010-2011)
 - Researcher training (organisation, software tools, etc.)
 - Pilot ‘Database as a Service’ (DaaS)
- VIDaaS (JISC & HEFCE funded, 2011-2012)
 - Full production-level DaaS, hosted on cloud infrastructure
- ORDS (University service, 2012-)
 - Service build upon the DaaS software

Summer
Launch!

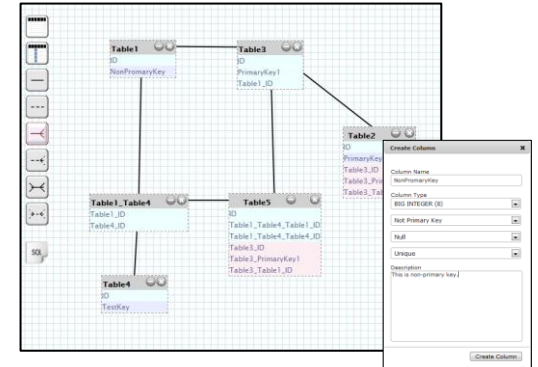
VIDaaS objectives

- Deliver costs savings / efficiencies to UK research (part of the UMF)
- Create production-ready 'Database as a Service' (DaaS)
- Create hybrid cloud infrastructure on which to host DaaS
- Provide appropriate user training and support for DaaS
- Ensure services are sustainable beyond the life-span of the project



What is the DaaS?

- A web-based system that will enable researchers to quickly and intuitively
 - build a relational database from scratch, or
 - Import an existing database in common formats (such as Access)



ID	Name	Address	Date
1001	John Smith	123 Main St	2001-01-01
1002	Jane Doe	456 Elm St	2001-02-02
1003	Bob Johnson	789 Oak St	2001-03-03
1004	Alice Brown	101 Pine St	2001-04-04
1005	Charlie Davis	202 Cedar St	2001-05-05

- Generic data addition, editing, and querying interfaces
 - Research groups may, if desired, develop their own Web front-end interfaces to databases hosted by DaaS
- Databases centrally hosted, maintained, and routinely backed up

- Access controls to determine who can view or edit each database
 - Enables cross-institutional collaboration
 - Easy to share data with colleagues or even the general public
- Metadata capture to improve data rediscovery

Project Name	Description	Databases	Project Members
Test Project	Just another test	test test@ox.ox.ac.uk	Wilson, James Felix, Marie researcher

Benefits

- Simplifies and encourages data sharing and publication
- Improved security and reduced risk of data loss
- Improved awareness of existing data & easier re-use
- Helps meet funders' data management requirements
- May help respond to FOI requests
- Cost savings and improved efficiency

<http://vidaas.oucs.ox.ac.uk/>

vidaas@oucs.ox.ac.uk

<http://daas-4.ords.ox.ac.uk/>

Please email us to receive progress updates

And now to the demo...