

Virtual Infrastructure with Database as a Service (VIDaaS) Project

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JISC

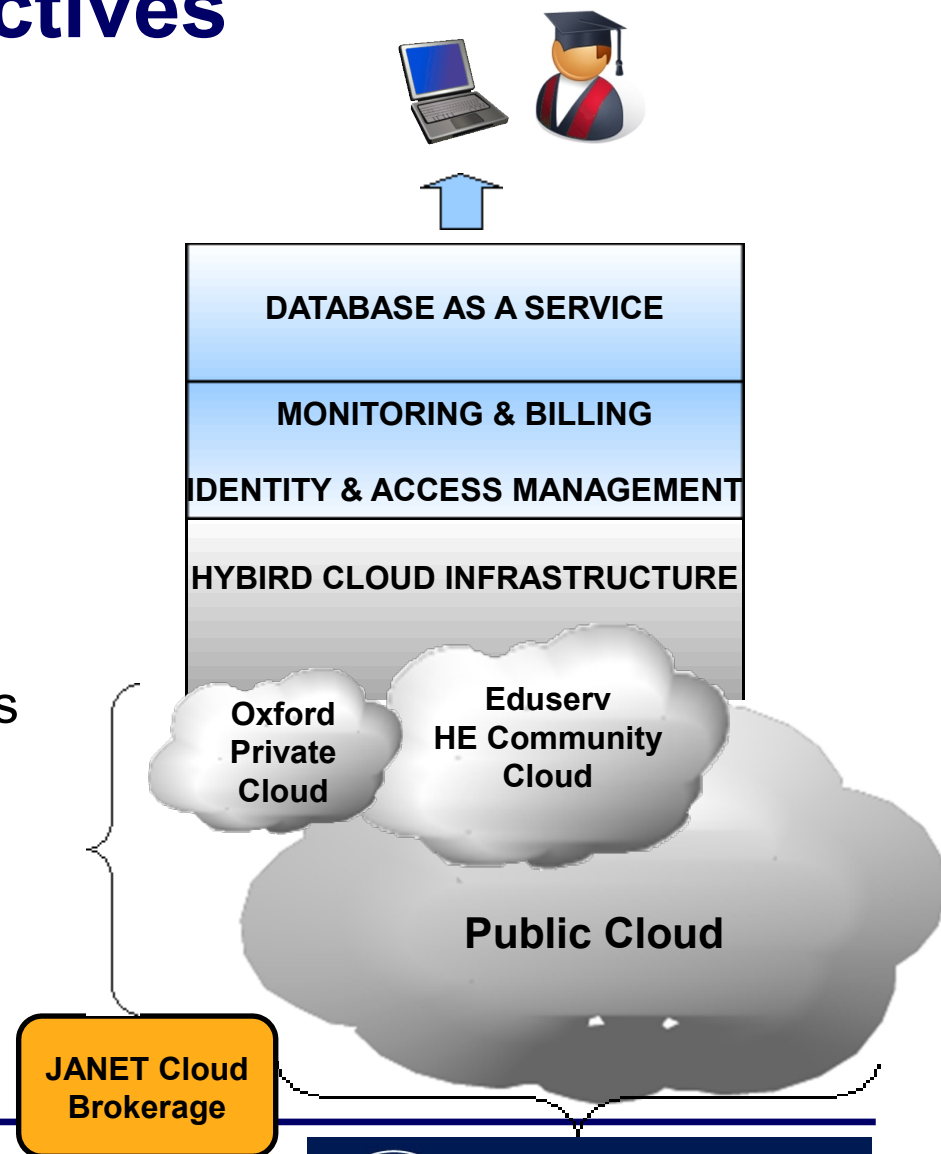
Virtual Infrastructure with
Database as a Service (VIDaaS)



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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
- Enable sharing of infrastructure and services
- 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)
- 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

DaaS Components

1.

People Search Filter

People Search Results (417)

PersonID	PersonBirth	PersonDeath	PersonF	PersonFname	PersonGreekname	PersonInitials	PersonName	PersonStar	PersonSurname	PersonType	Action
33237136	6/10/10 5:25:31 PM				Ναός Τίβαβη Κλαυδίου Αντωνίου αρχός Λαγυνίδς		Isae s. Tibertus Claudius Antoninus m. Longina				View Edit
37560955	6/10/10 5:25:31 PM				Πολυκαρδός Αγαμέμνων νόδ Κίβριος πατρός Τραποζίνς		Polemarios s. Heracles ga. Karis m. Tapheros				View Edit
41998486	6/10/10 5:25:31 PM				Μικελανός Πρωταγόρας νόδ Πρωταγόρας πατρός Τραποζινίου		Mikelaos s. Protheros ga. Palyas m. Traosoucharon				View Edit
44002070	6/10/10 11:46:40 AM				Οσων Σωτηριος		Sotirios		Tranquillus	Ancient Author	View Edit
45465273	6/10/10 5:25:31 PM				Πρωταγόης Πρωταγόρας νόδ Πρωταγόρας πατρός Ουβριους		Protheros s. Polemarios ga. Protheros m. Thaeos				View Edit
49726392	6/10/10 5:25:31 PM				Διδυμικος Πάθωνς νόδ Διδυμικος πατρός Τραποζινίου		Didymos s. Pathos ga. Didymos m. Traosoucharon				View Edit
50558897	5/17/10 11:09:05 AM					R	Marjais, R		Marjais	Modern Scholar	View Edit

2.

```

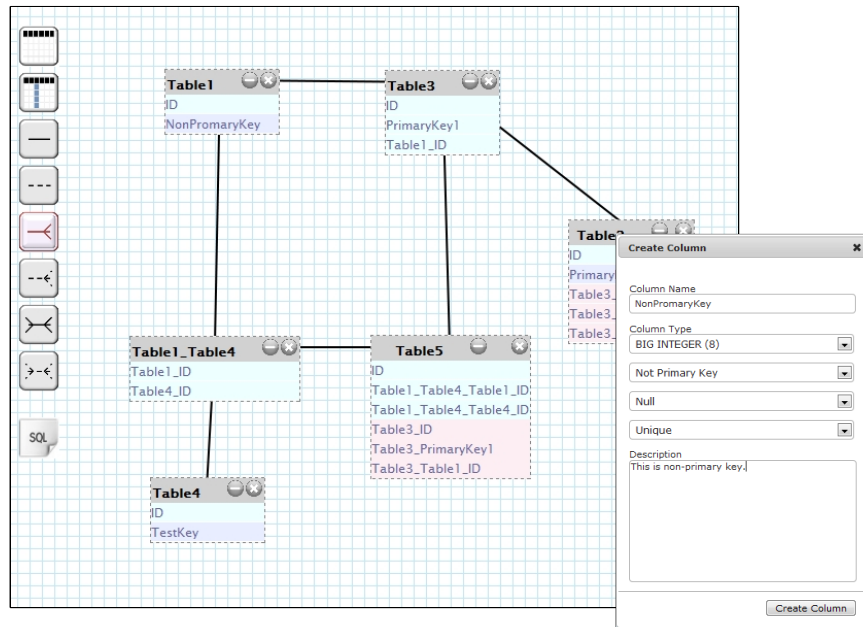
Welcome to DaaS (SUDAMIH component)

CREATE TABLE Connections (
  connid integer,
  connname character varying(255),
  connpath character varying(255),
  conncountry character varying(255),
  connidsequence serial,
  connparent integer,
  connparentid integer,
  connparentcountry character varying(255),
  connparentsequence integer,
  connparentidsequence integer,
  connparentcountryid integer,
  connparentcountryidsequence integer,
  primary key (connid))

CREATE TABLE Contacts (
  contactid integer,
  contactname character varying(255),
  contactcountry character varying(255),
  contactcountryid integer,
  contactcountryidsequence integer,
  primary key (contactid))

CREATE TABLE Coordinates (
  coordid integer,
  coordname character varying(255),
  coordcountry character varying(255),
  coordcountryid integer,
  coordcountryidsequence integer,
  coordparentid integer,
  coordparentcountryid integer,
  coordparentcountryidsequence integer,
  primary key (coordid))
    
```

3.



4.

Radio Button configuration:

- Label Title: Select Colour
- Orientation: Horizontal
- Options: Red, Green, Blue, White
- Required:
- Error Message:

& 5...

VIDaaS enhancements

- Extended functionality beyond the humanities
- Frequent testing with 'early adopters' group
 - In exchange for 3 years hosting without charge
- Improved user interface, documentation, and support
- Enabling 'publication' of data, or sub-sets of data
 - Both dynamic and static data publishing options
- XML databases as well as relational databases



Contacts

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

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