



Computation Institute

Campus Area

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Campus Area in JIRA

- Main focus is delivering first release of OSG Connect platform in time for Duke workshop (end of August)

Dashboards Projects Gantt Chart Issues Agile Create issue Quick Search

Browse Projects

Create New Project

Recent Projects	Campus			
	Project	Key	Project Lead	URL
Campus	BOSCO	CAMPUS	Dan Fraser	http://bosco.opensciencegrid.org
Executive Team and Project Support Area	OSG CIC	CIC	Rob Gardner	http://www.campusgrids.org
Operations	OSG Connect	OC	Rob Gardner	http://osgconnect.net
Security	PALMS	PAL	Marco Mambelli	http://osg.uchicago.edu/palms/
Software	Software and Data Access	SDA	Suchandra Thapa	No URL
Technology	Stash	STAS	Rob Gardner	No URL
User Support				
No Category				
All Projects				

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OSG Connect

PLATFORM OF SERVICES FOR CAMPUS-BASED RESEARCHERS

OSG CONNECTION SERVICES

OSG Connect Capabilities

- Accelerate campus engagements
- Three-way user uptake
 - Individual campus researchers (“Campus Clients”)
 - Group/department-level (C-Client or C-Grid)
 - Campus grid or research computing center
- Provide natural access via campus identity
- Productize DHTC components and methods
 - Job submit, distributed software access, distributed data access
- Introduce a simple data management service



Capabilities and deliverables (August)

* band document (8/20) q.50

+ tutorials in OSG Conference (ASAP)
(imprint UC3)

+ Conference access @ OSG
+ also needs to be public

+ Content TBD

+ more login nodes? check memory capacities

+ VOFE

+ models A,B,C, pbs

+ VO selection

? Software access → oasis, pdms

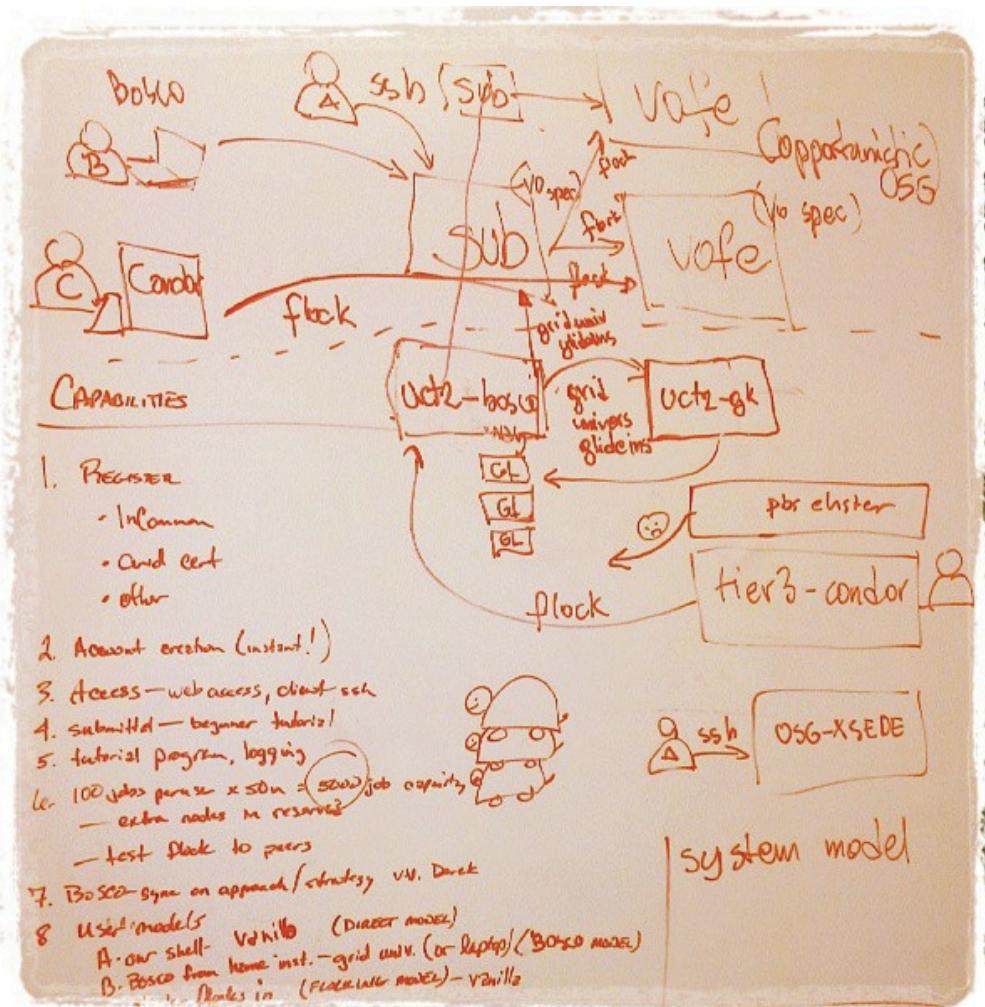
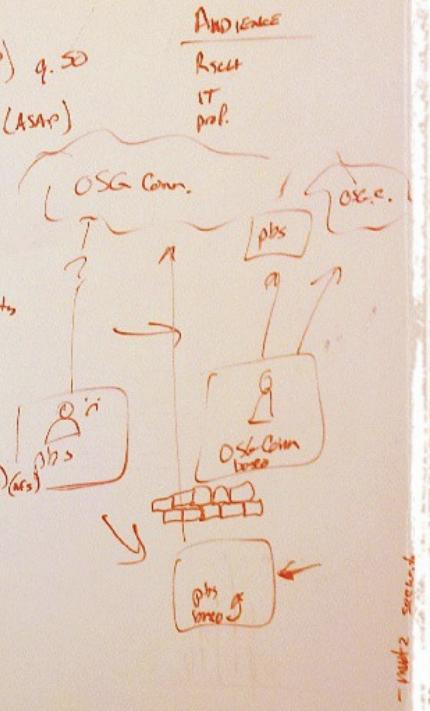
+ task - user
functions: - sleep, status, (cancel), workflow, workflow (refs) (refs)
- stability & reliability testing
- carry feature prioritization over

+ job status mg → apache

+ GSI auth

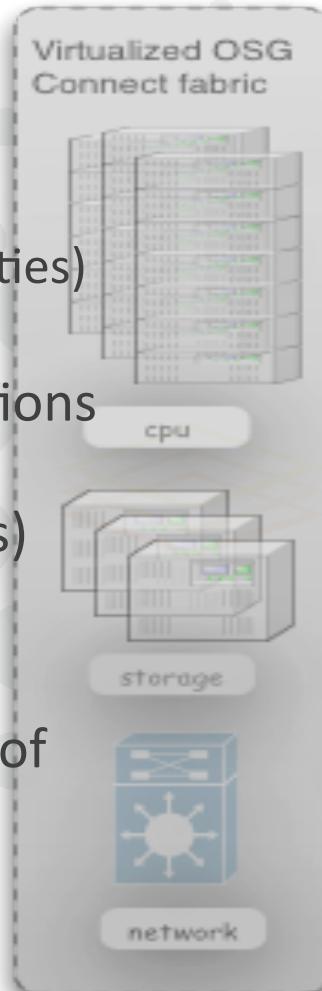
+ (which provides resource X (not pbs))

+ Condor - submit wrapper → no enforcement



Deliverables, partial list

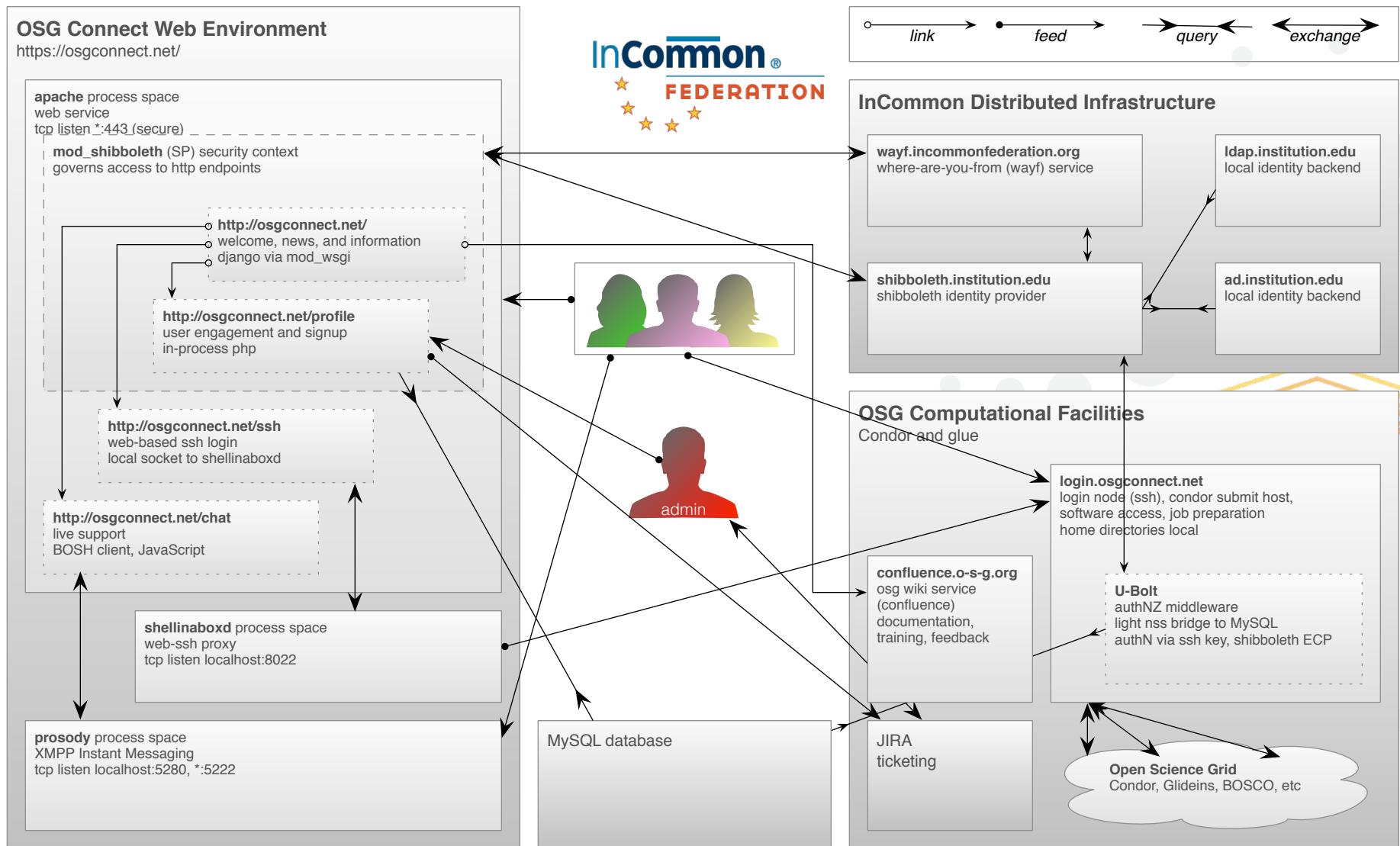
- OSG Connect registration service
- Integration with InCommon as an OSG Service Provider
- Virtualized infrastructure
 - Web and user database portal
 - Submit node network (login hosts for multiple connect modalities)
 - VO front-end hosts
- Elastic resource pool for workshops and for sandbox evaluations
- User data management service (“Stash”), integrated with campus identity, distributed access via Chirp (setup for users)
- ~ 25 TB distributed storage array (Ceph)
- Squid service for OASIS access
- Set of deployed campus “community” software in OSG area of OASIS
- Documentation (“ConnectBook”)
- Integration with existing OSG support mechanisms: Campus Researcher Club, User Support, Bosco support



OSG Connect Ecosystem

OSG Connect: Inter-Campus with Shibboleth

v.1 2013-06-25 dgc



OSG Connect User Portal



Add Users Add Projects List Admins List Pls List Users List Projects

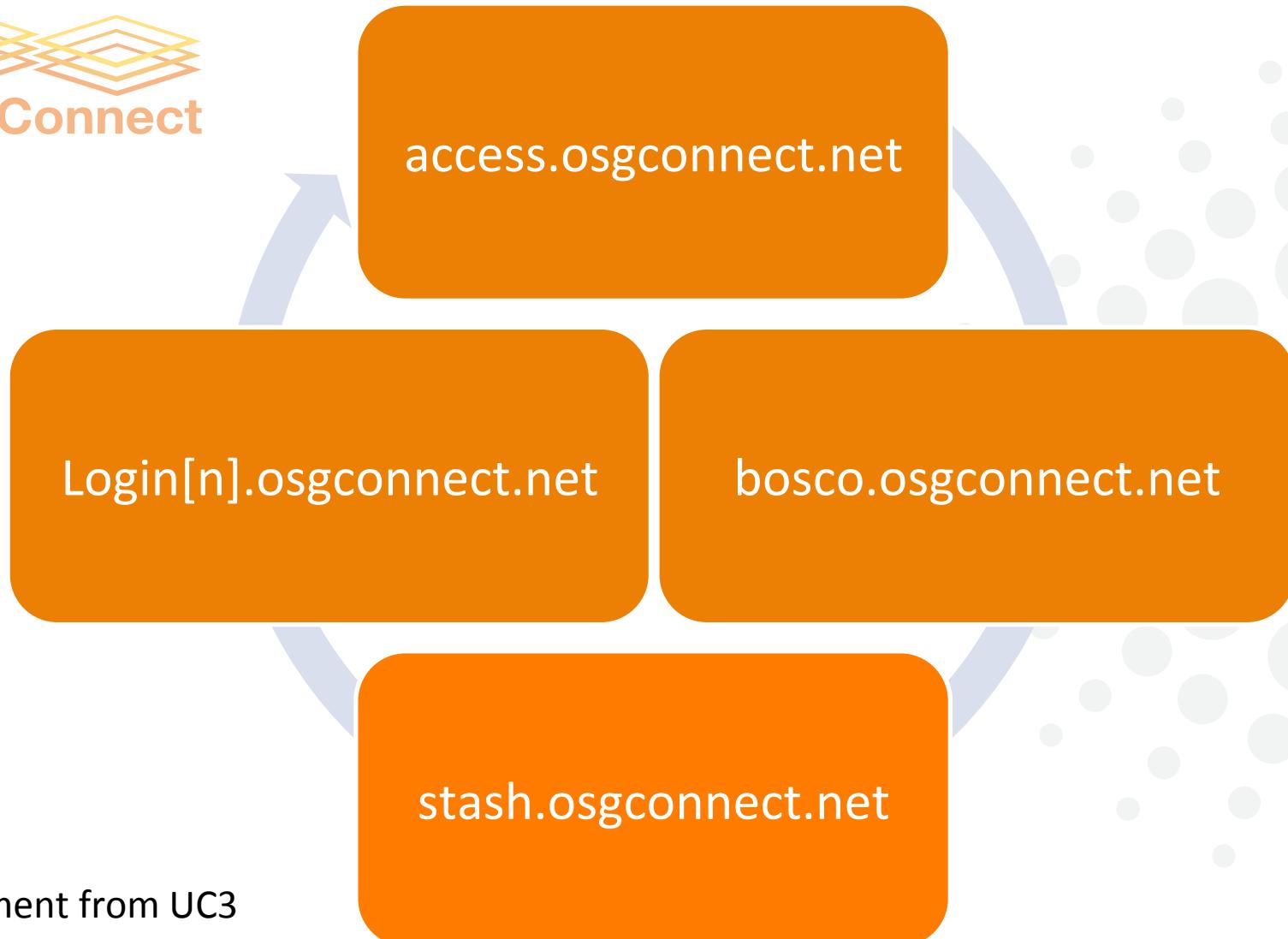
search

Will be adapted from CHTC user portal
Info collected will be uploaded to OIM eventually

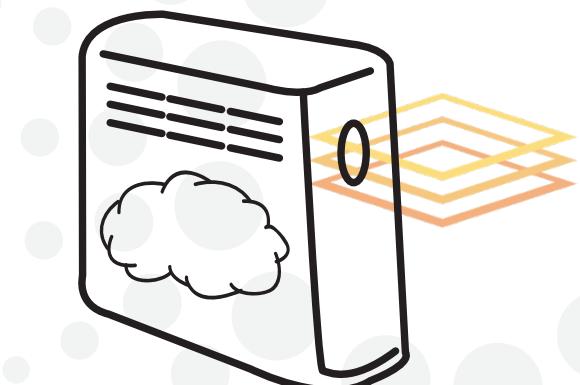
New Project

Name	PI/Contact	Staff	Status	Project URL	Ticket Number	Last Contact
EFI-ATLAS	Pl: Robert William Gardner Jr (rwg-atlas) Contact: Rob Gardner (rwg)	Lincoln Bryant (lincolnb) David Champion (dgc)	Active	http://www.mwt2.org	284	Sat, 18 May 2013 06:37-0500
EFI-DCHOOZ	Pl: Edward Blucher (eblucher) Contact: Matthew Strait (strait)	Lincoln Bryant (lincolnb) Suchandra Thapa (ssthapa)	Active	http://doublechooz.uchicago.edu/	253	Mon, 20 May 2013 06:48-0500
KICP-SPT	Pl: Stephen Hoover (shoover) Contact: Kenneth Aird (kenaird)	Lincoln Bryant (lincolnb) Suchandra Thapa (ssthapa)	Active	http://pole.uchicago.edu/	333	Mon, 20 May 2013 06:56-0500
CI-Swift	Pl: Michael Wilde (wilde) Contact: david kelly (davidkelly999)	Lincoln Bryant (lincolnb)	Active	http://www.ci.uchicago.edu/swift/main/	334	Mon, 20 May 2013 07:00-0500
CI-RDCEP	Pl: -none- Contact: Michael Glotter (glotter)		Active	http://www.rdcep.org/		Wed, 29 May 2013 07:21-0500
BSD-Ecology and Evolution	Pl: Joy M. Bergelson (jbergels) Contact: Madlen Vetter (vetter)	Marco Mambelli (mmmb) Lincoln Bryant (lincolnb)	Active	http://pondside.uchicago.edu/ecol-evol/index.html	343	Thu, 30 May 2013 10:00-0500
SNO+	Pl: Edward Blucher (eblucher) Contact: -none-	Lincoln Bryant (lincolnb) Marco Mambelli (mmmb)	Active	http://snoplus.phy.queensu.ca/Home.html		Thu, 27 Jun 2013 04:35-0500

Submit and data access infrastructure

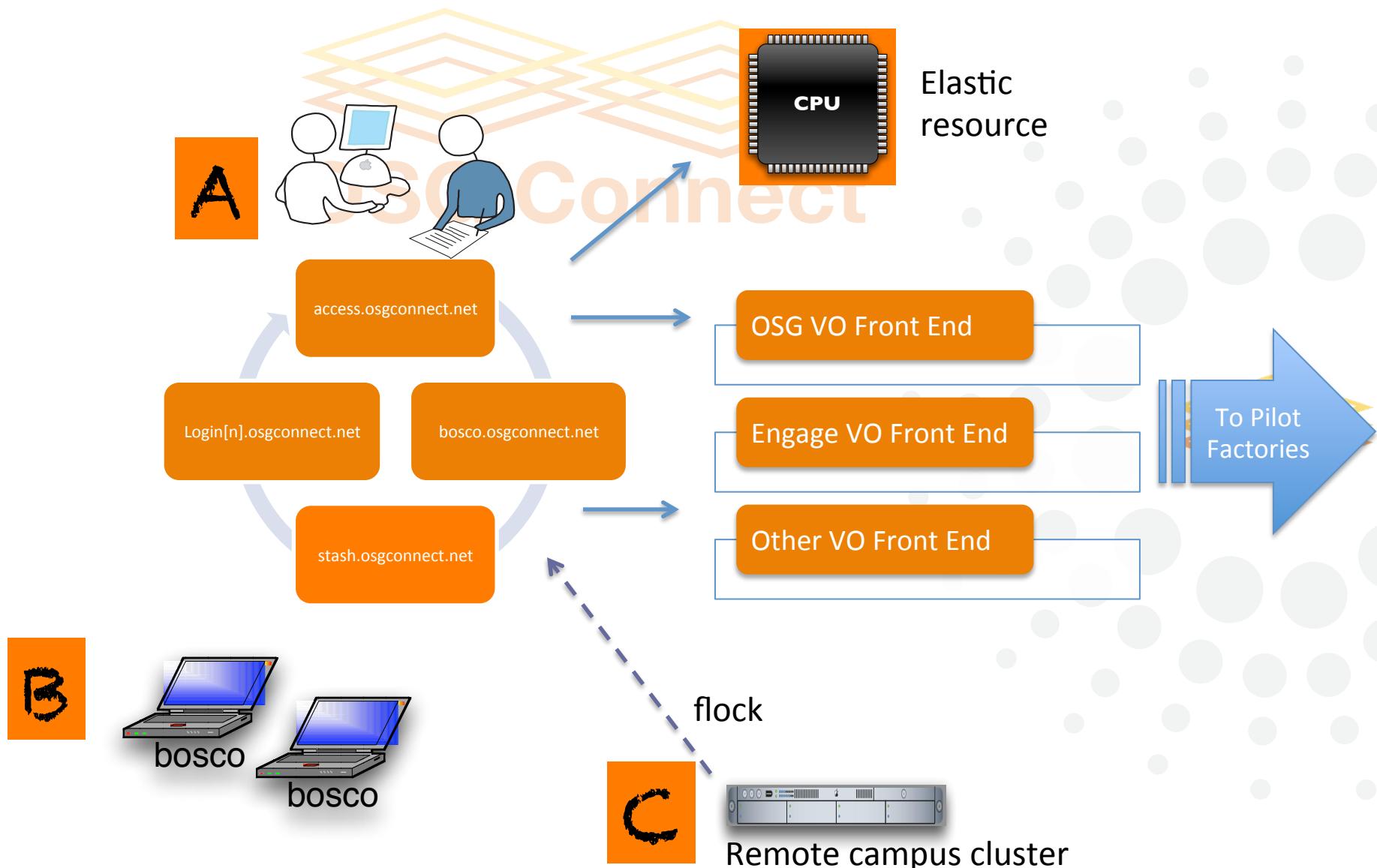


- A simple scratch-like storage service built on Ceph distributed technology; scalable
- Using equipment on loan from ATLAS
- Leverages OSG Connect identity services
- 50 GB per user initially; special requests taken
- Web-based browsing service
- Integrate with Globus Online



Stash Disk

OSG Connect Modes: A – B – C



OSG ConnectBook



- Tutorial to be built for Duke workshop
- Sustain for future engagements

The screenshot shows the Confluence interface for the 'ConnectBook' space. The top navigation bar includes 'Confluence', 'Spaces', 'People', 'Create', 'Search', and various system icons. The left sidebar has links for 'ConnectBook Home', 'Pages', 'Blog', and 'SPACE SHORTCUTS' (with a note about adding shortcut links). The main content area displays the 'ConnectBook Home' page, which features a green box with a checkmark and the text 'Welcome to the OSG ConnectBook! Here is where we'll develop the tutorials.' Below this is a section titled 'Complete these tasks to get started' with a list of four items, each with a checkbox. The first item is checked. The right sidebar shows 'Recent space activity' for 'Rob Gardner' and 'Space contributors' (also listing 'Rob Gardner'). At the bottom, there are 'Unlike' and 'You like this' buttons, and a note about 'No labels'.

ConnectBook 1.0

First release.

Demonstrated
tutorial exercises

August 20

Campus Infrastructures Community Workshop at Duke University

from Tuesday, August 27, 2013 at **08:00** to Wednesday, August 28, 2013 at **12:20** (US/Eastern)
at Duke University

R. David Thomas Executive Conference Center

WORKSHOP USER METRICS: TARGET = 50

CAMPUS CLIENTS REGISTERED TO OSGCONNECT

USERS SUCESSFULLY COMPLETING QUICKSTART

USERS BOSCO TO CAMPUS

USERS OSGCONNECT:DIRECT TO OSG

USERS OSGCONNECT:BOSCO TO OSG

USERS > 1000 JOBS ON OSG



WORKSHOP CAMPUS RESEARCHER METRICS: TARGET = 5

NEW REGISTERED CAMPUS GRIDS

NEW RESEARCH PROJECTS

NEW APPLICATIONS

WORKSHOP CAPABILITY METRICS: TARGET = 5

ABLE TO USE OASIS

ABLE TO USE DISTRIBUTED DATA

- OSG Connect registration service is an InCommon Service Provider under OSG membership
- Prototype web service built for user and project registration
- Provisioning of login and VO front-end hosts underway
- Stash storage service built
- Setting up ConnectBook re-using materials from UC3 Jamboree and OSG Summer School among others

