

Getting to Grips with Grouper

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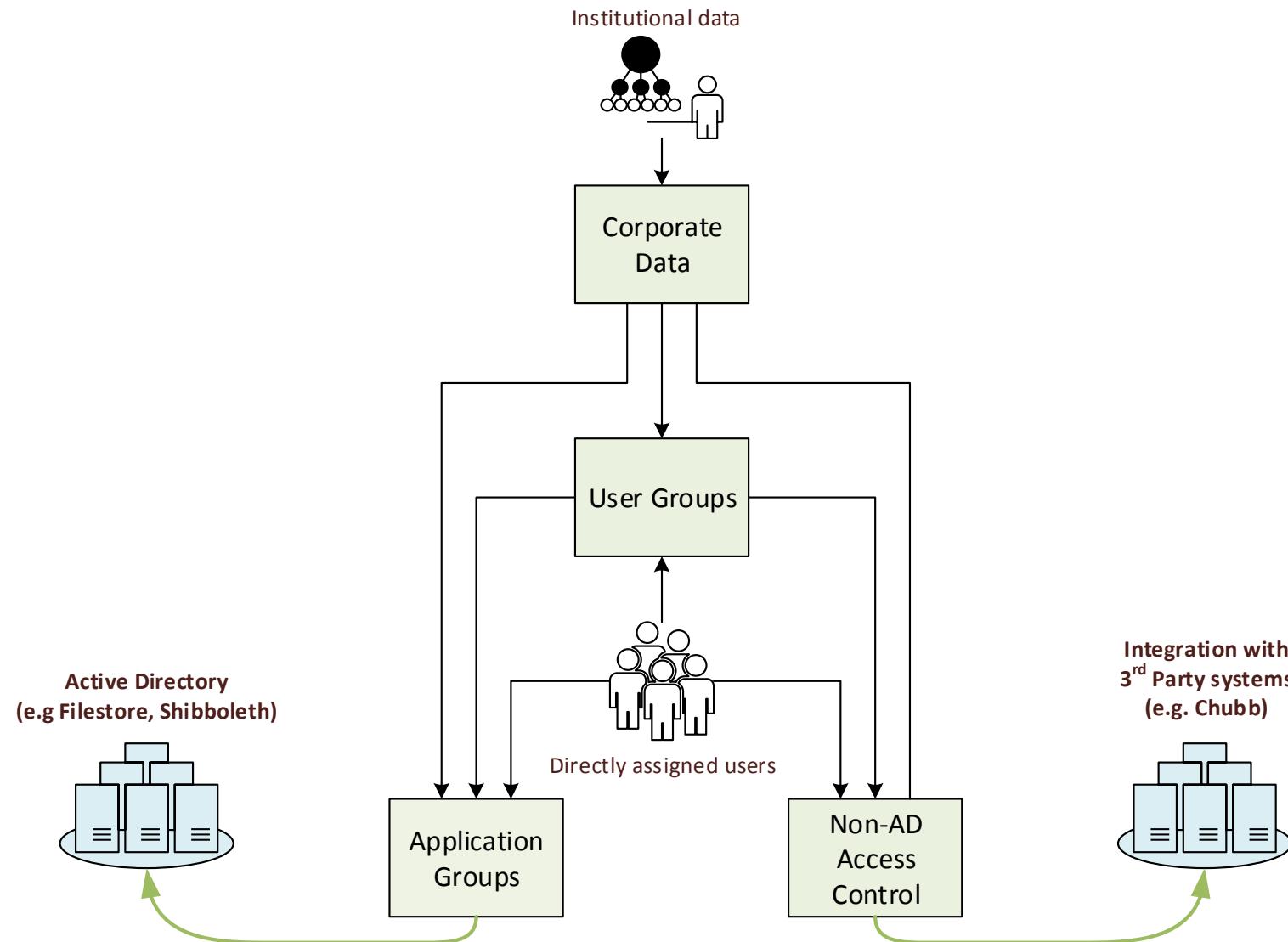


What is Grouper?

Centralised access management system that supports distributed and **devolved IT** environments common to universities.

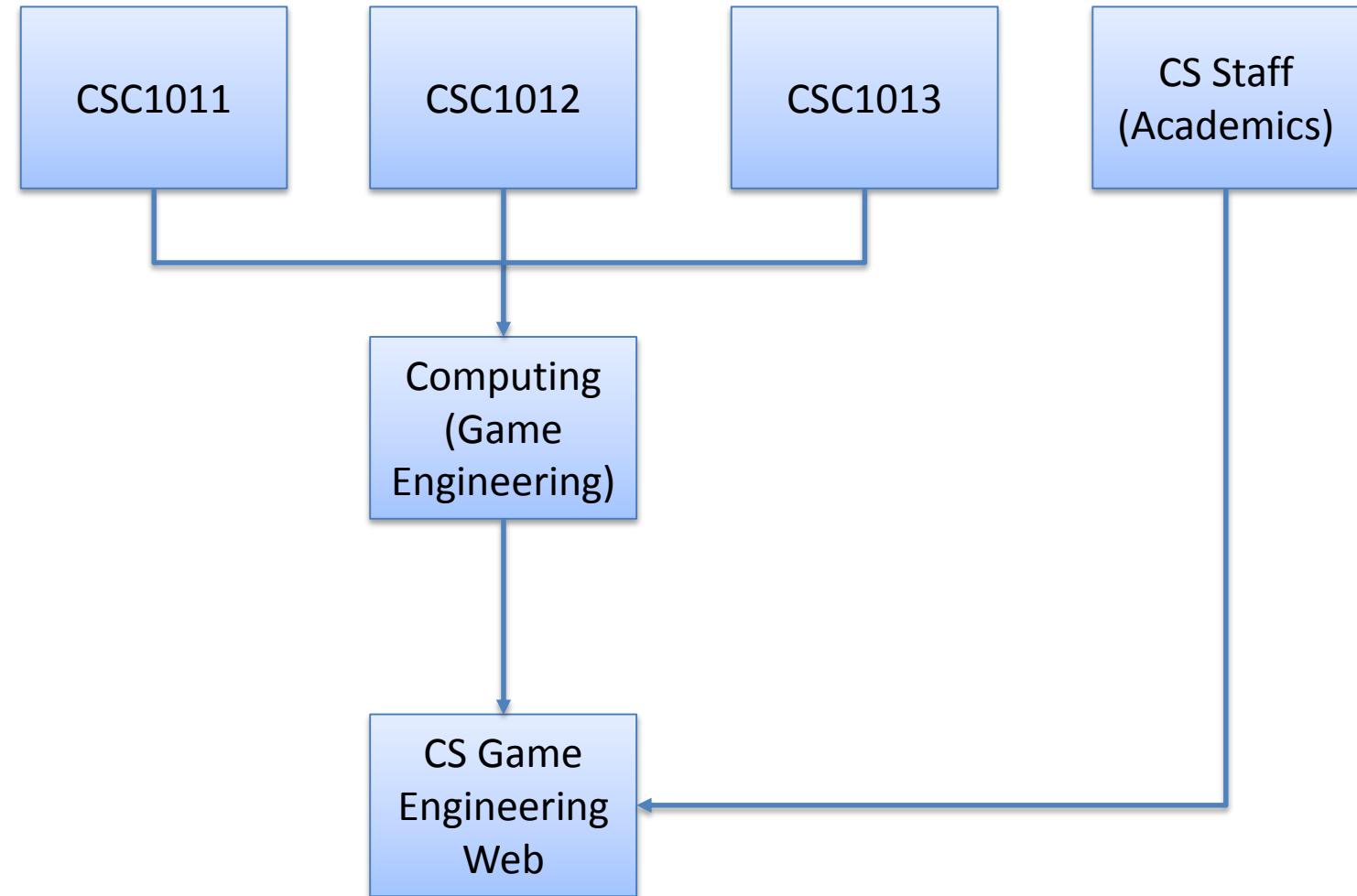


Group structure



Stem usage example

- Corporate Data
- User Groups
- Application Groups



Use cases

- Mailing lists
- Filestore
- Internal websites
- Chubb
- Future possibilities ...



Benefits

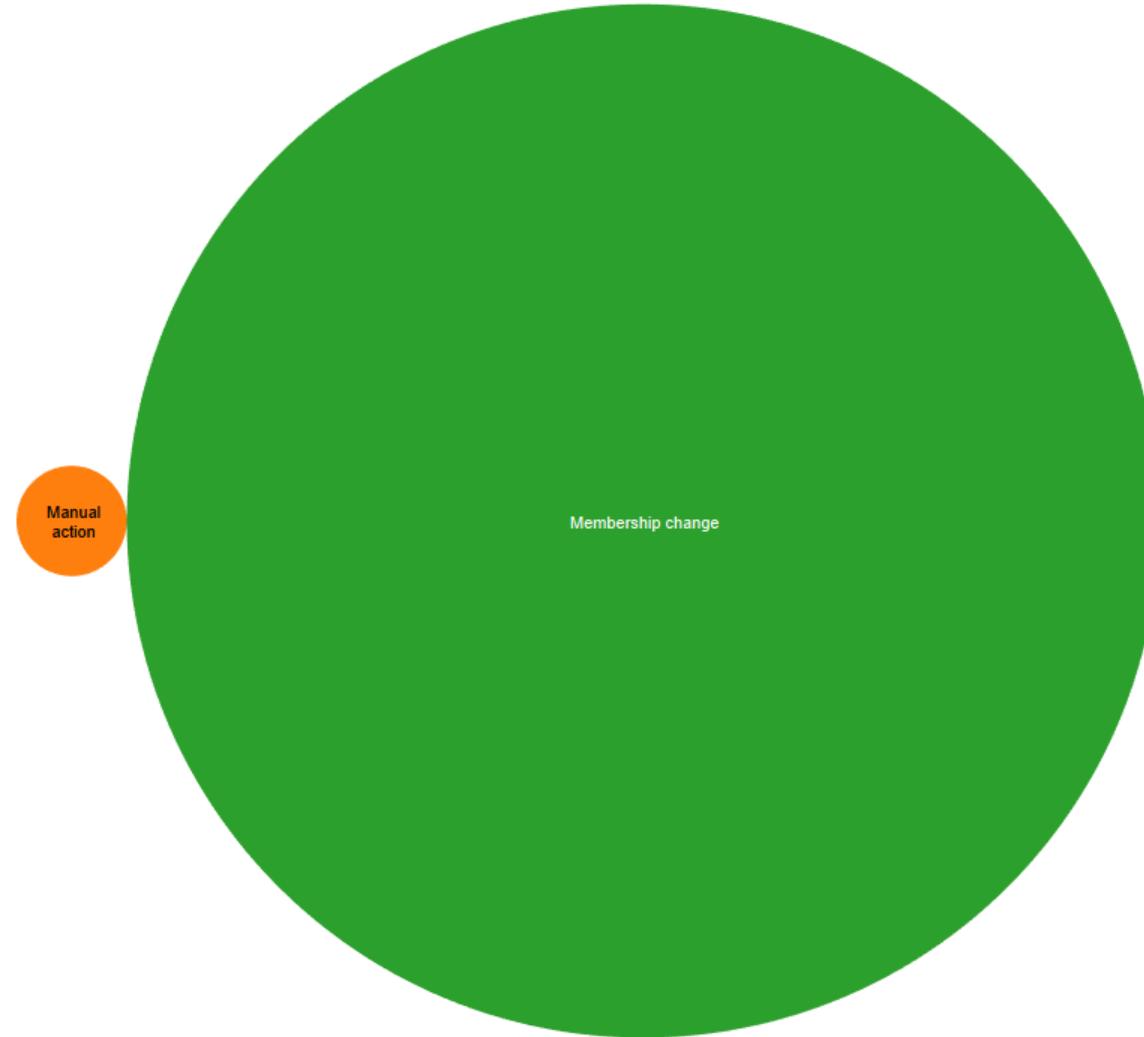
- Takes advantage of “corporate data”
- Supports ad-hoc groups
- Allows devolved responsibility for group maintenance
- Enables consistent access across multiple services
- Reduces human effort



The power of Grouper

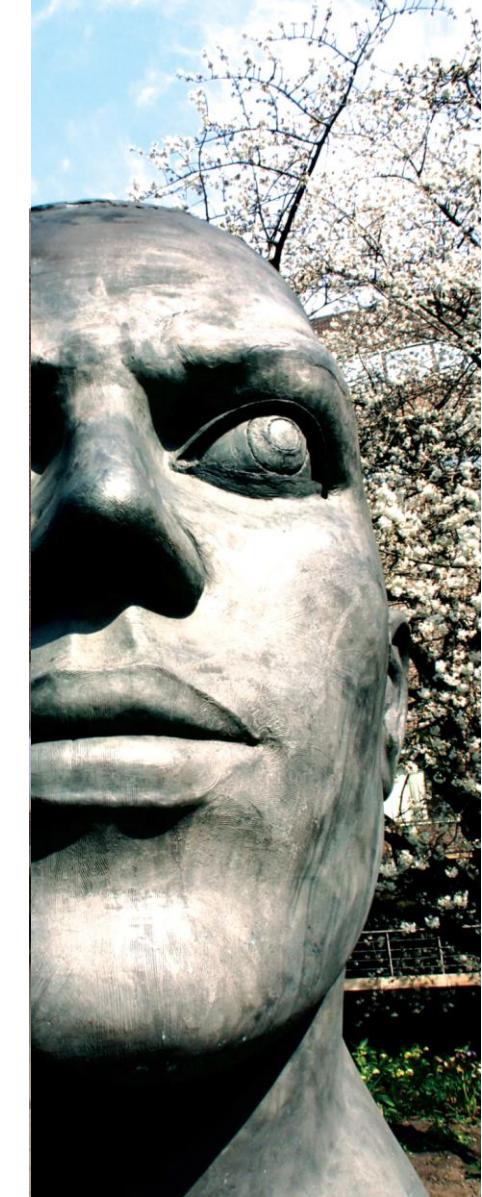


The power of Grouper



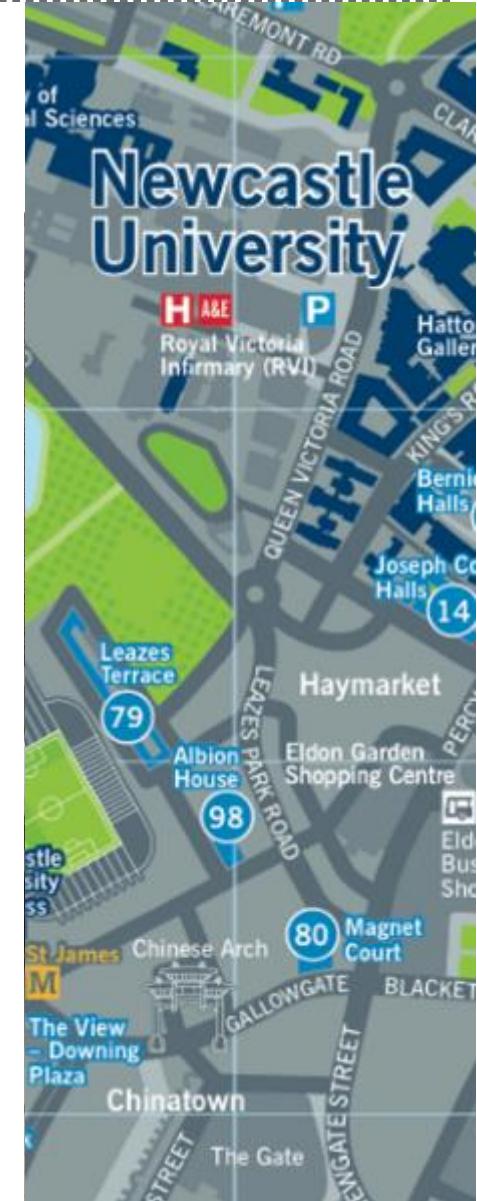
Principles

1. Control admin privileges with a 'User Group'
2. Whenever possible, use 'Corporate Data' groups to populate group memberships
3. Where adequate source data doesn't exist, create a 'User Group' (if you're likely to use the same set of members in more than one place)

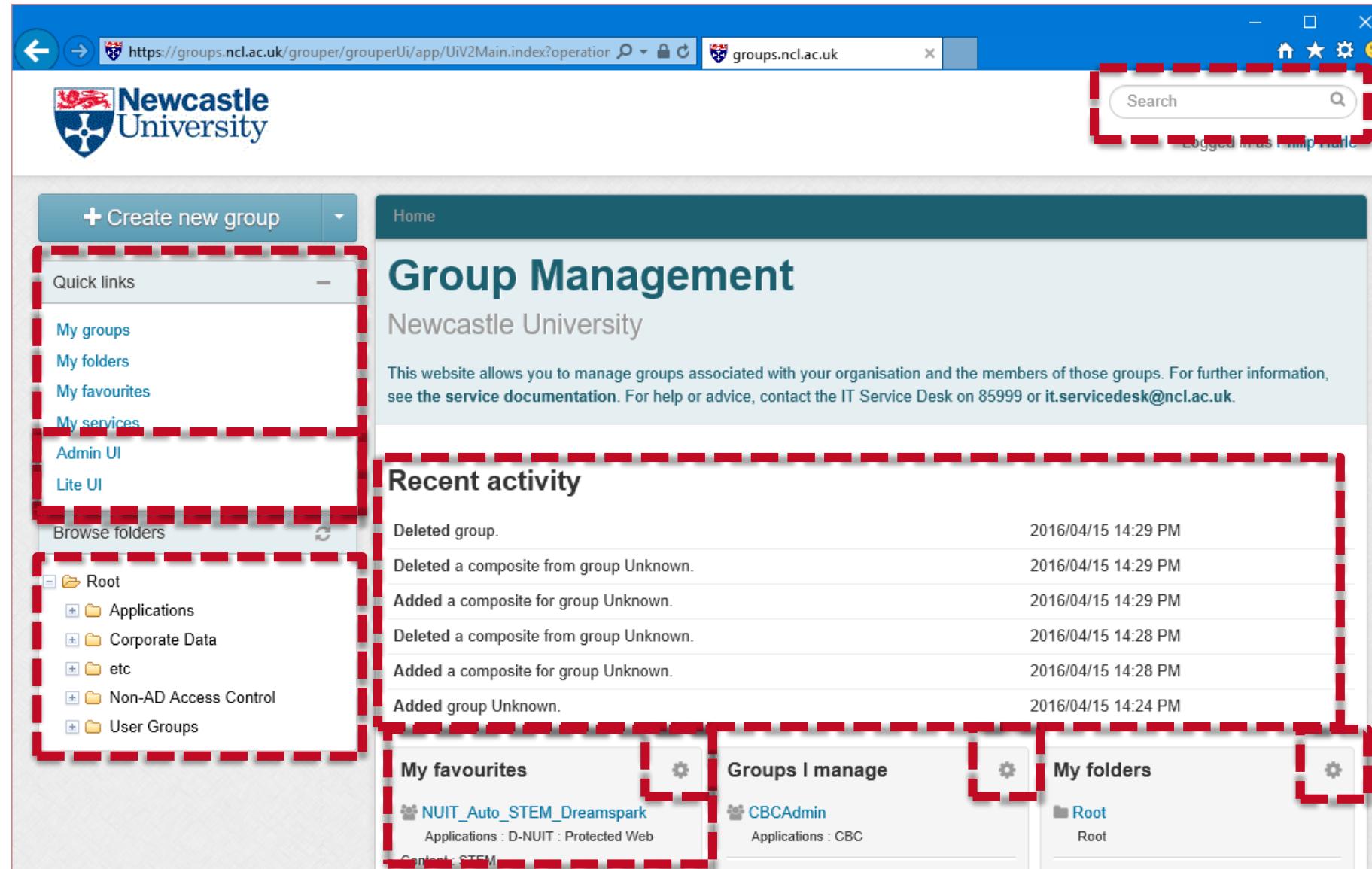


Principles

4. Only use 'Applications' groups if they need to be in AD
5. Adhere to naming conventions
6. Make 'Applications' groups specific to a service or purpose
7. Delegate 'update' privileges, not 'admin' privileges



UI Overview



<https://groups.ncl.ac.uk/grouper/grouperUi/app/UiV2Main.index?operation>

Newcastle University

+ Create new group

Quick links

- My groups
- My folders
- My favourites
- My services
- Admin UI
- Lite UI

Browse folders

- Root
 - Applications
 - Corporate Data
 - etc
 - Non-AD Access Control
 - User Groups

Group Management

Newcastle University

This website allows you to manage groups associated with your organisation and the members of those groups. For further information, see the [service documentation](#). For help or advice, contact the IT Service Desk on 85999 or it.servicedesk@ncl.ac.uk.

Recent activity

Deleted group.	2016/04/15 14:29 PM
Deleted a composite from group Unknown.	2016/04/15 14:29 PM
Added a composite for group Unknown.	2016/04/15 14:29 PM
Deleted a composite from group Unknown.	2016/04/15 14:28 PM
Added a composite for group Unknown.	2016/04/15 14:28 PM
Added group Unknown.	2016/04/15 14:24 PM

My favourites

- NUIT_Auto_STEM_Dreamspark

Applications : D-NUIT : Protected Web

Contact: STEM

Groups I manage

- CBCAdmin

Applications : CBC

My folders

- Root

Membership explained

Home > Root > Applications > Filestores > PSS > NUIT > Service_Delivery > NUIT_SFS_S-NUITSD_NUIT - Service Delivery CRS

NUIT_SFS_S-NUITSD_NUIT - Service Delivery CRS

[+ Add members](#) [More actions ▾](#)

More ▾

Members Privileges More ▾

The following table lists all entities which are members of this group.

Entity name	Membership	Actions ▾
<input type="checkbox"/> Anthony Bush	Indirect	Actions ▾
<input type="checkbox"/> David Boys	Indirect	Actions ▾
<input type="checkbox"/> Felicity Hutchings	Direct	Actions ▾
<input type="checkbox"/> Gary Davison	Direct	Actions ▾
<input type="checkbox"/> Gordon Taylor	Indirect	Actions ▾
<input type="checkbox"/> John Keogan	Indirect	Actions ▾
<input type="checkbox"/> Janice Gaffney	Indirect	Actions ▾
<input type="checkbox"/> Kieran Wilson	Indirect	Actions ▾

Filter for: All members [Member name](#) [Apply filter](#) [Reset](#)

Remove selected members

Home > Root > Applications > Filestores > PSS > NUIT > Service_Delivery > NUIT_SFS_S-NUITSD_NUIT - Service Delivery CRS > Trace membership

NUIT_SFS_S-NUITSD_NUIT - Service Delivery CRS

Trace membership for Anthony Bush

Anthony Bush is a member of the NUIT_SFS_S-NUITSD_NUIT - Service Delivery CRS group by the following paths:

Anthony Bush is a [direct member](#) of

- User Groups:D-NUIT:Service Delivery Teams:NUIT_Cluster_Room_Support
- which is a [direct member](#) of
- Applications:Filestores:PSS:NUIT:Service_Delivery:NUIT_SFS_S-NUITSD_NUIT - Service Delivery CRS

[Back to group](#)

Privileges explained

The following table lists all entities with privileges in this group.

Filter for: Entity name Apply filter Reset Advanced

Update: Assign the ADMIN privilege

<input type="checkbox"/> Entity name	Admin	Read	Update	OptIn	OptOut	Attribute read	Attribute update	View
<input type="checkbox"/> EveryEntity		✓				✓	✓	✓
<input type="checkbox"/> Daniel Padgett	✓	✓	✓	✓	✓	✓	✓	✓
<input type="checkbox"/> Paul Roberts	✓	✓	✓	✓	✓	✓	✓	✓
<input type="checkbox"/> SAgE_CEAM_IT_Systems_Admin_Group	✓	✓	✓	✓	✓	✓	✓	✓

Show: 50

Showing 1-4 of 4 · [First](#) | [Prev](#) | [Next](#) | [Last](#)

Privileges explained

The following table lists all entities with privileges in this group.

Filter for: Entity name Apply filter Reset Advanced

Update: Assign the ADMIN privilege

<input type="checkbox"/> Entity name	Admin	Read	Update	OptIn	OptOut	Attribute read	Attribute update	View	
<input type="checkbox"/>  Lisa Robson		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  Lucy Bolt		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  Lisa Renney		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  Mark Grey		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  Susan Barnes		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  Sharon Mossman		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  Stephen Wearn		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  NUIT_Service_Desk		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>
<input type="checkbox"/>  NUIT_Service_Process		✓	✓	✓	✓			✓	<input type="button" value="Actions ▾"/>

Lesser known features

- Use **start and end dates** to schedule membership updates
- Add groups to your **favourites**
- Use the **audit log** to track group activity
- Use **composite groups** to apply ‘group maths’



Start and end dates

Membership

Direct	<input type="button" value="Actions ▾"/>
Direct	<input type="button" value="Edit membership and privileges"/>
Direct	<input type="button" value="Revoke membership"/>
Direct	<input type="button" value="Actions ▾"/>

Bryan Jeffers

Membership and privileges in NUIT_Service_Process group

Unique ID: nbj13

Name: Bryan Jeffers

Description: nbj13 - Bryan Jeffers - NUIT

Bryan Jeffers is a direct member of the NUIT_Service_Process group

Bryan Jeffers is not an indirect member of the NUIT_Service_Process group

Start date:

yyyy/mm/dd

The date on which this entity's membership begins.

End date:

yyyy/mm/dd

The date on which this entity's membership expires.

Favourites

Home > Root > User Groups > D-NUIT > Service Delivery Teams > NUIT_Service_Process

NUIT_Service_Process

Service Process team

More ▾

Members

Privileges

More ▾

The following table lists all entities which are members of this group.

Filter for:

All members

▼

Member name

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Export members

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Audit log

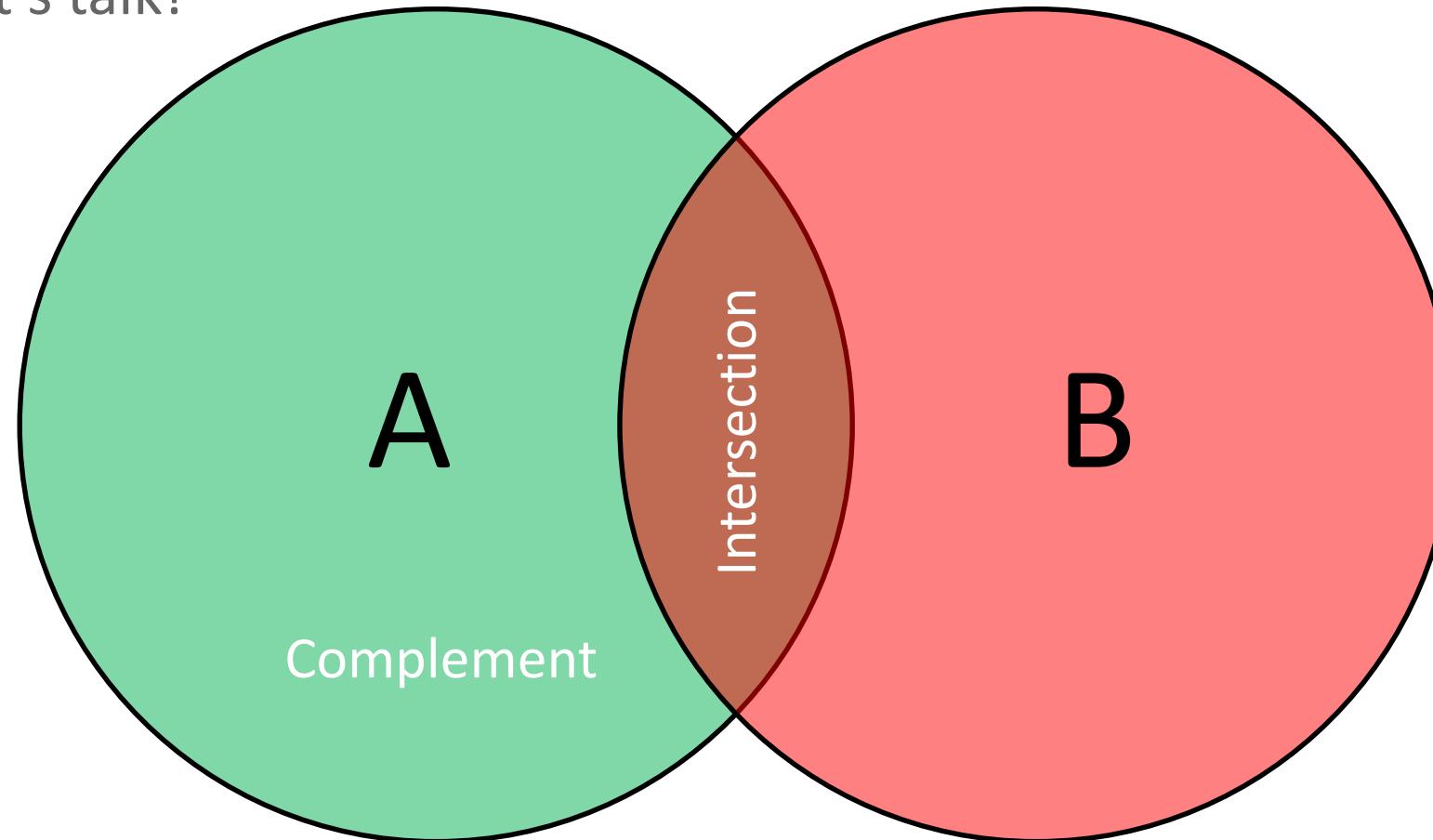
The audit log displays all recent activity related to this group.

Filter by date: (and) Show extended results?

Date	Actor	Engine	Summary
2016/01/19 11:33 AM	 Tracey Philip	Web user interface	Added David Lowe as a member of the NUIT_Application_Support group.
2016/01/05 09:49 AM	 Tracey Philip	Web user interface	Added Deepa Sundaraiyer as a member of the NUIT_Application_Support group.
2015/12/13 19:07 PM	 GrouperSysAdmin	GSH command	Added Adam Squires as a member of the NUIT_Application_Support group.
2015/12/13 19:07 PM	 GrouperSysAdmin	GSH command	Added Tracey Philip as a member of the NUIT_Application_Support group.
2015/12/13 19:07 PM	 GrouperSysAdmin	GSH command	Added Steve Donoghue as a member of the NUIT_Application_Support group.

Composite groups

- It's complicated
- Let's talk!

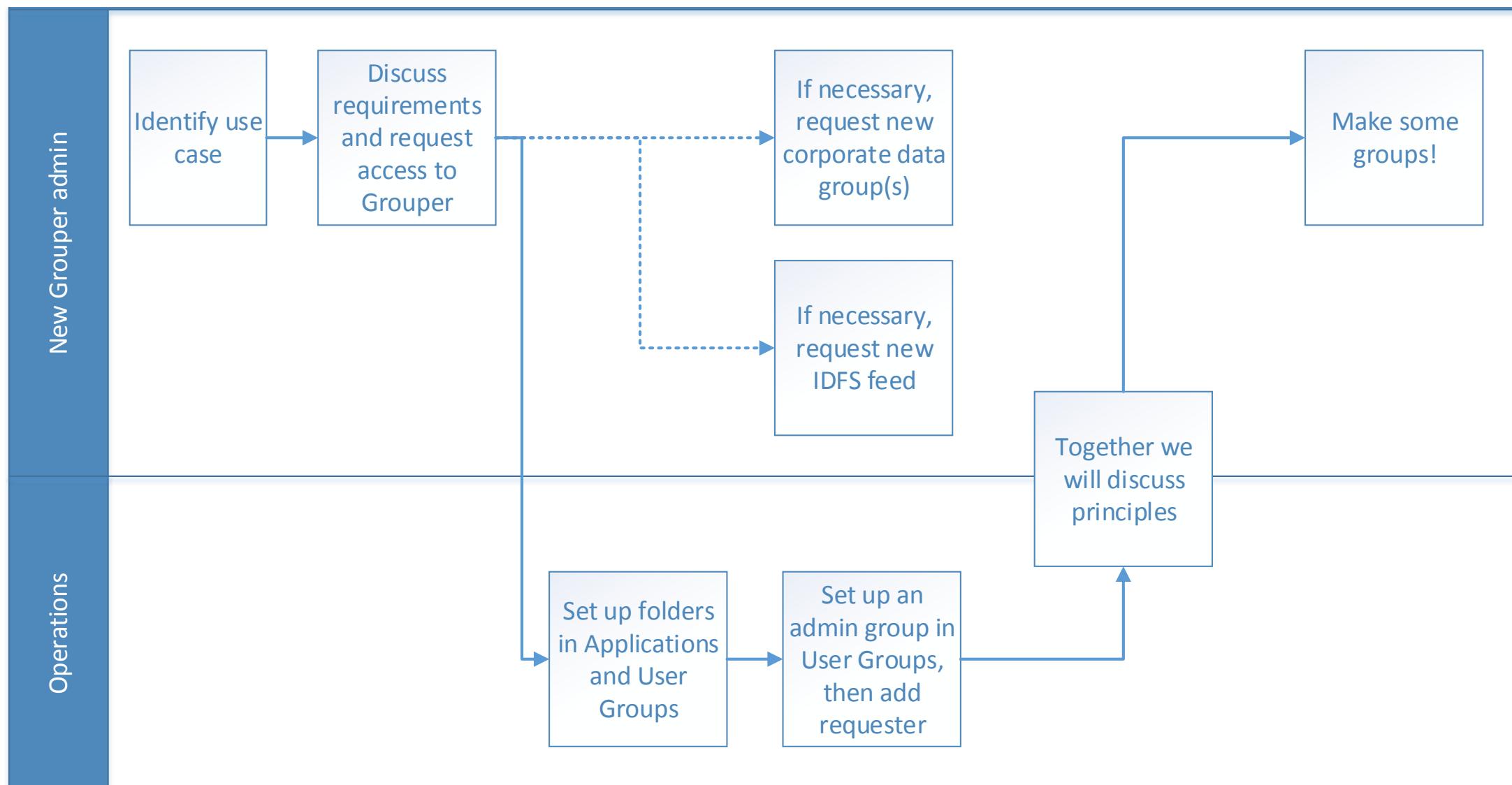


Common queries and workarounds

- There is a one day delay in new staff appearing in Grouper
- Empty Application groups won't provision to AD
- IE UI issues due to compatibility view



Journey of a new Grouper admin



blogs.ncl.ac.uk/integration

