

Getting to Grips with Grouper

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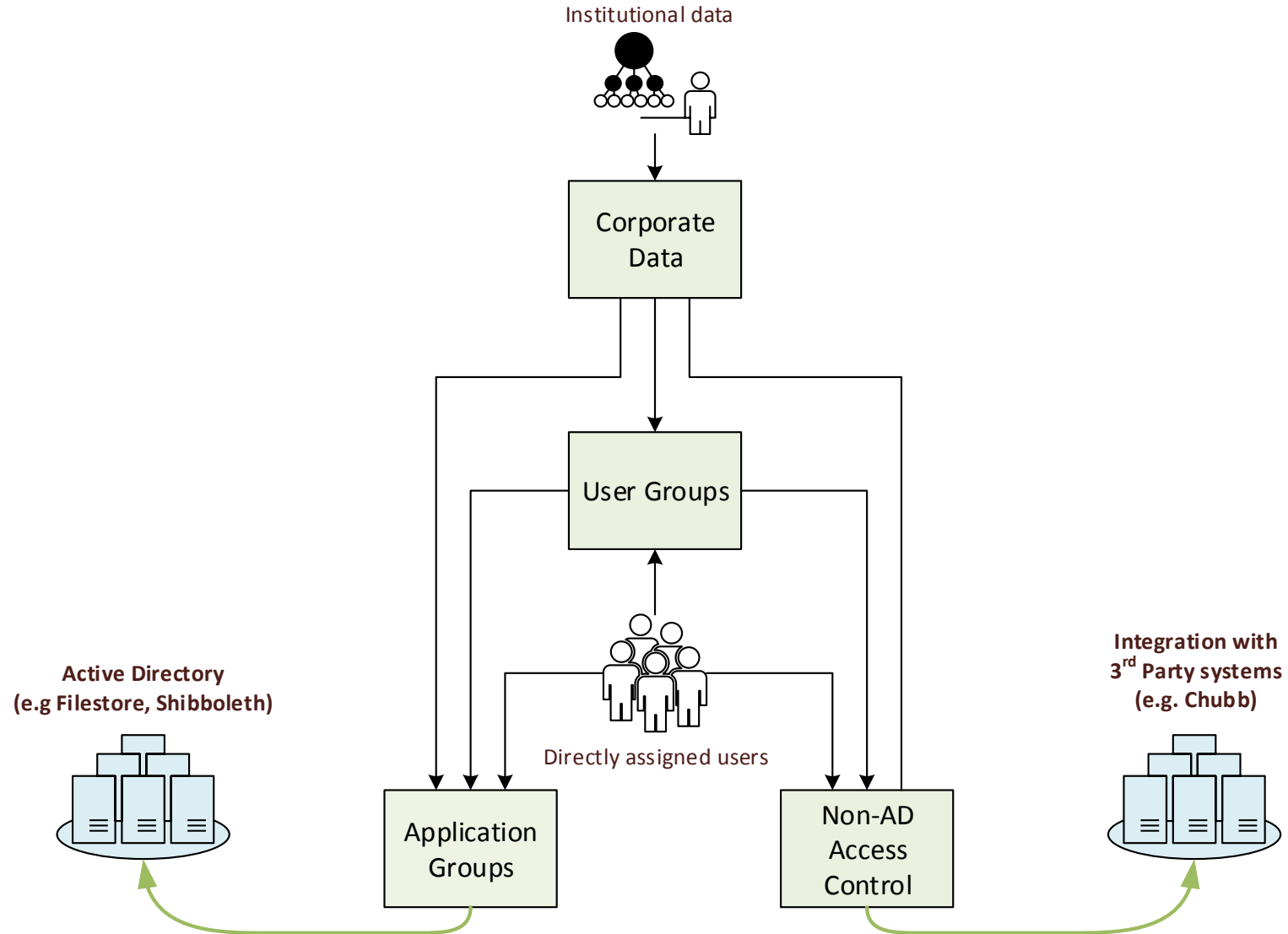


What is Grouper?

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

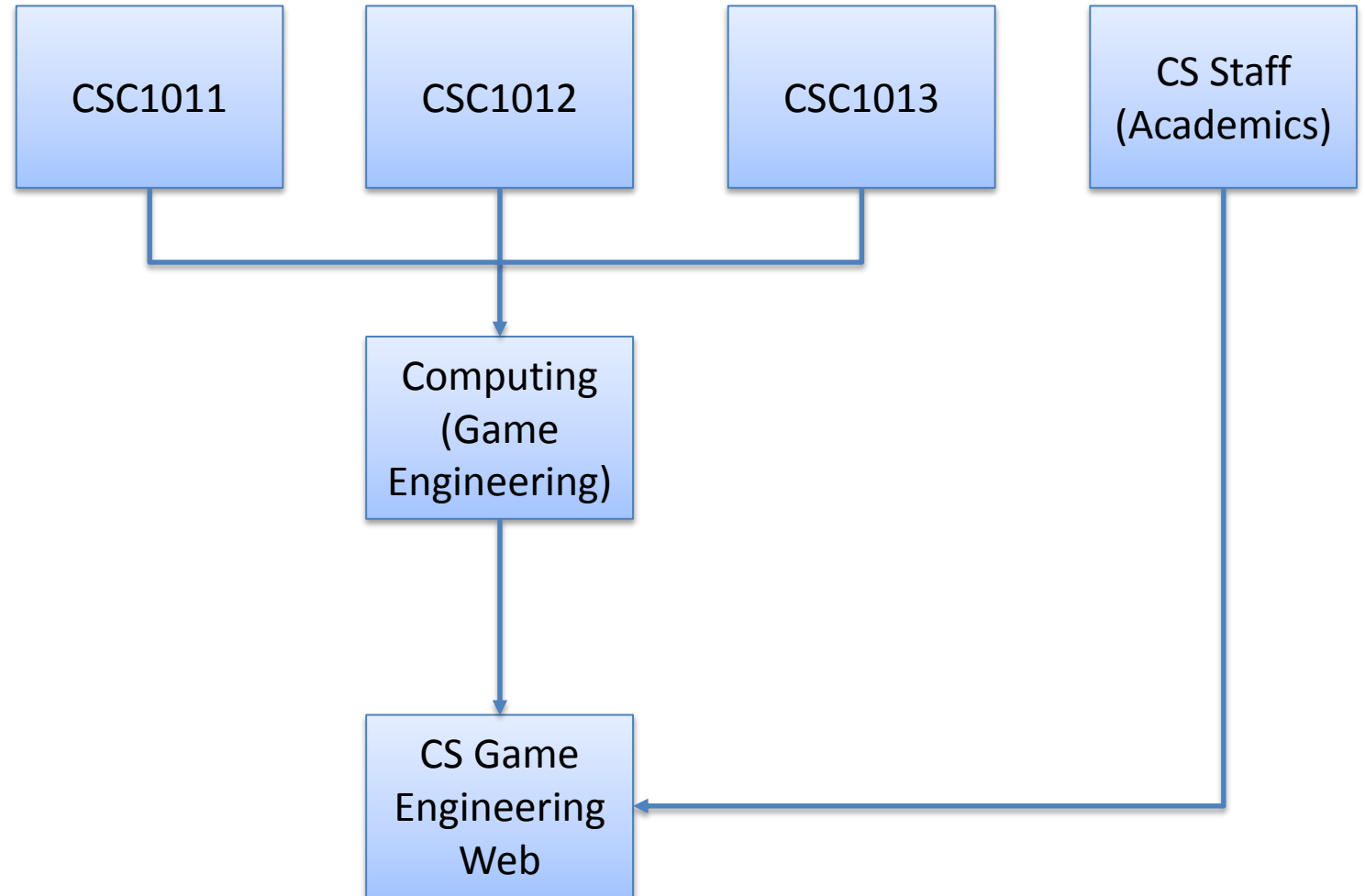


Group structure



Stem usage example

- Corporate Data



- User Groups

- Application Groups

Use cases

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

Shibboleth

Active Directory

IDFS or web services



Benefits

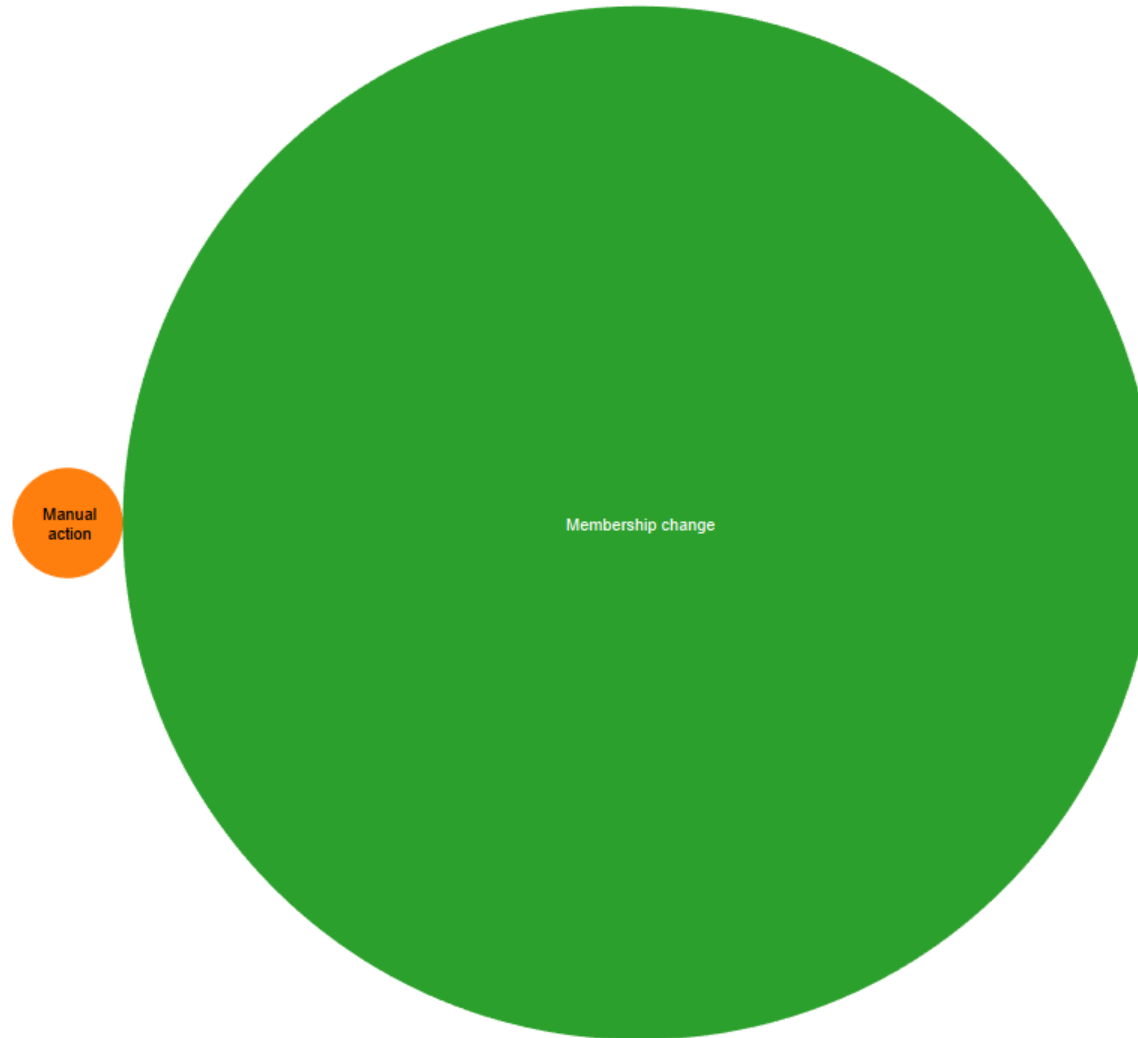
- Takes advantage of “corporate data”
- Supports ad-hoc groups
- Allows devolved responsibility for group maintenance
- Enables consistent access across multiple services
- Reduces human effort



The power of Grouper

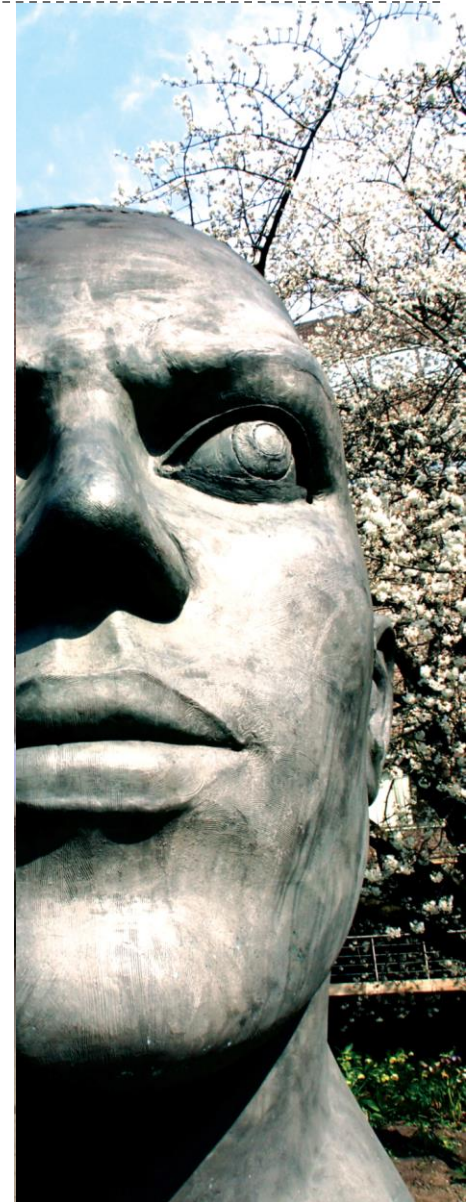


The power of Grouper



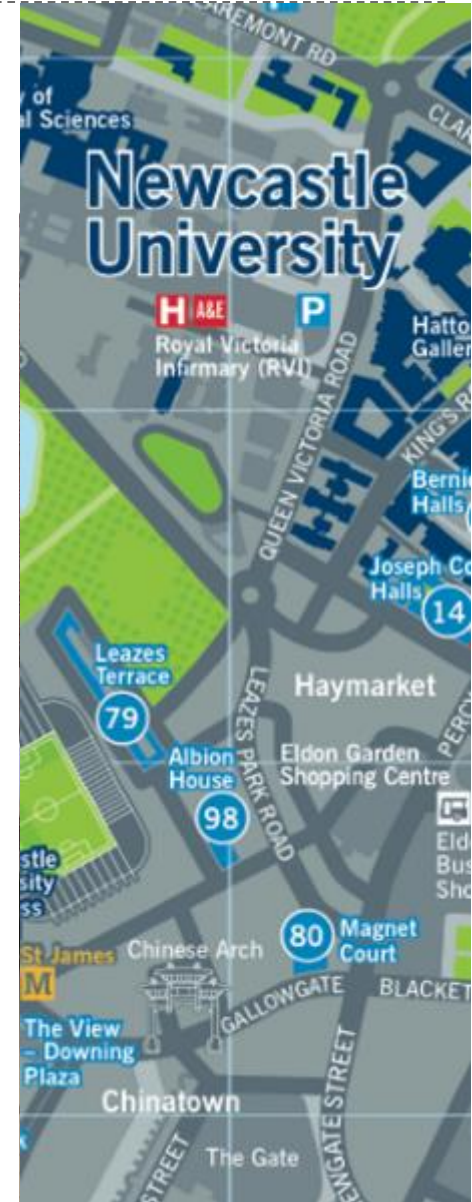
Principles

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)

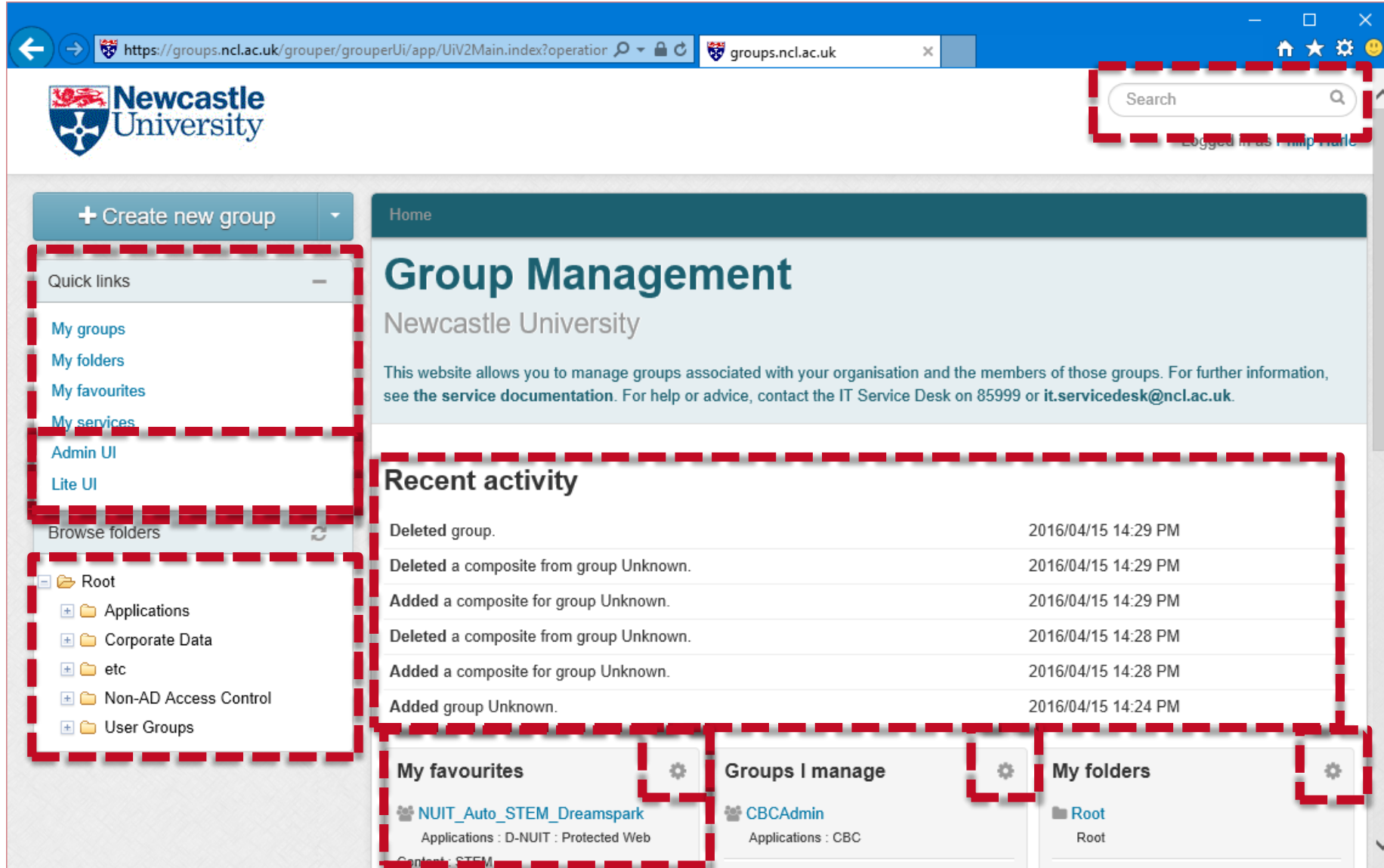


Principles

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



The screenshot shows the Group Management interface. A search bar is located in the top right corner. On the left side, there is a sidebar with a '+ Create new group' button and a 'Quick links' section containing: My groups, My folders, My favourites, My services, Admin UI, and Lite UI. Below this is a 'Browse folders' section with a tree view: Root, Applications, Corporate Data, etc, Non-AD Access Control, and User Groups. The main content area has a 'Home' header and a 'Group Management' title. Below the title is a description: '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.' A 'Recent activity' table follows, listing actions like 'Deleted group', 'Deleted a composite from group Unknown', 'Added a composite for group Unknown', and 'Added group Unknown' with timestamps. At the bottom, there are three sections: 'My favourites' (listing NUIT_Auto_STEM_Dreamspark), 'Groups I manage' (listing CBCAdmin), and 'My folders' (listing Root).

Search

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

Home

Group Management

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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
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.

Filter for: All members ▾ Member name Apply filter Reset

Remove selected members

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 ▾

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

Members Privileges More ▾

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

Filter for:

Update: ▾

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

Show: ▾

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










Privileges explained

Members Privileges More ▾

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

Filter for:

Update: ▾

<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	Actions ▾
Direct	Edit membership and privileges Revoke membership
Direct	Actions ▾
Direct	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:

The date on which this entity's membership begins.

End date:

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 [input] Apply

- + Add members
- More actions ▾
- Add to my favourites**
- Join group
- Copy group
- Delete group
- Edit group
- Edit composite
- Move group
- Export members

+ 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

Home

Group Management



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This website allows you to manage groups as seen in the [service documentation](#). For help or advice see [the service documentation](#). For help or advice see [the service documentation](#).

Recent activity

- Added [Dave Churchley](#) as a member of the [NUIT_Service_Process](#) group.
- Deleted group.
- Deleted a composite from group Unknown.
- Added a composite for group Unknown.
- Deleted a composite from group Unknown.
- Added a composite for group Unknown.






My favourites

-  [NUIT_Service_Process](#)
User Groups : D-NUIT : Service Delivery Teams
-  [NUIT_Auto_STEM_Dreamspark](#)
Applications : D-NUIT : Protected Web

Audit log

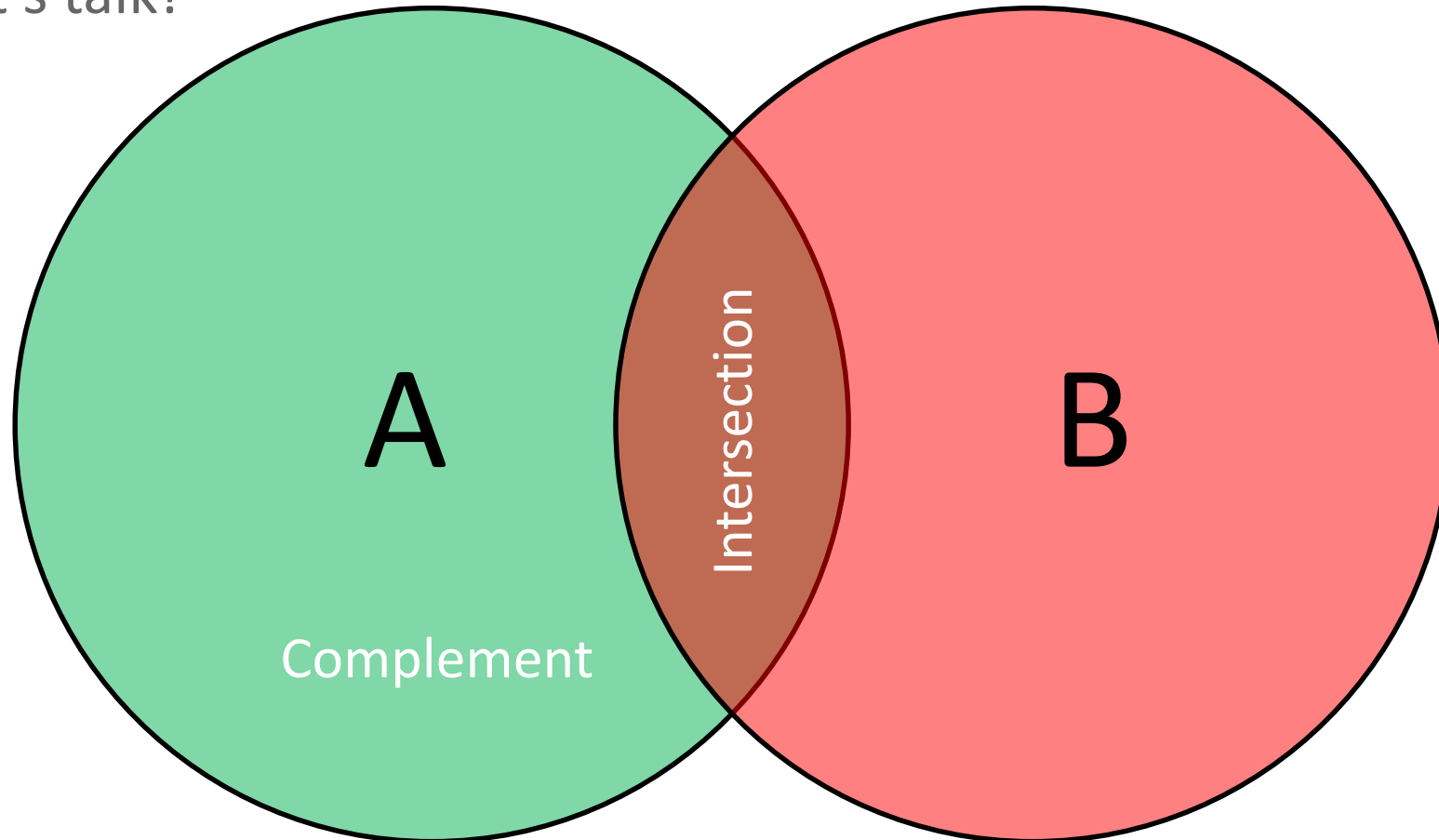
The audit log displays all recent activity related to this group.

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!

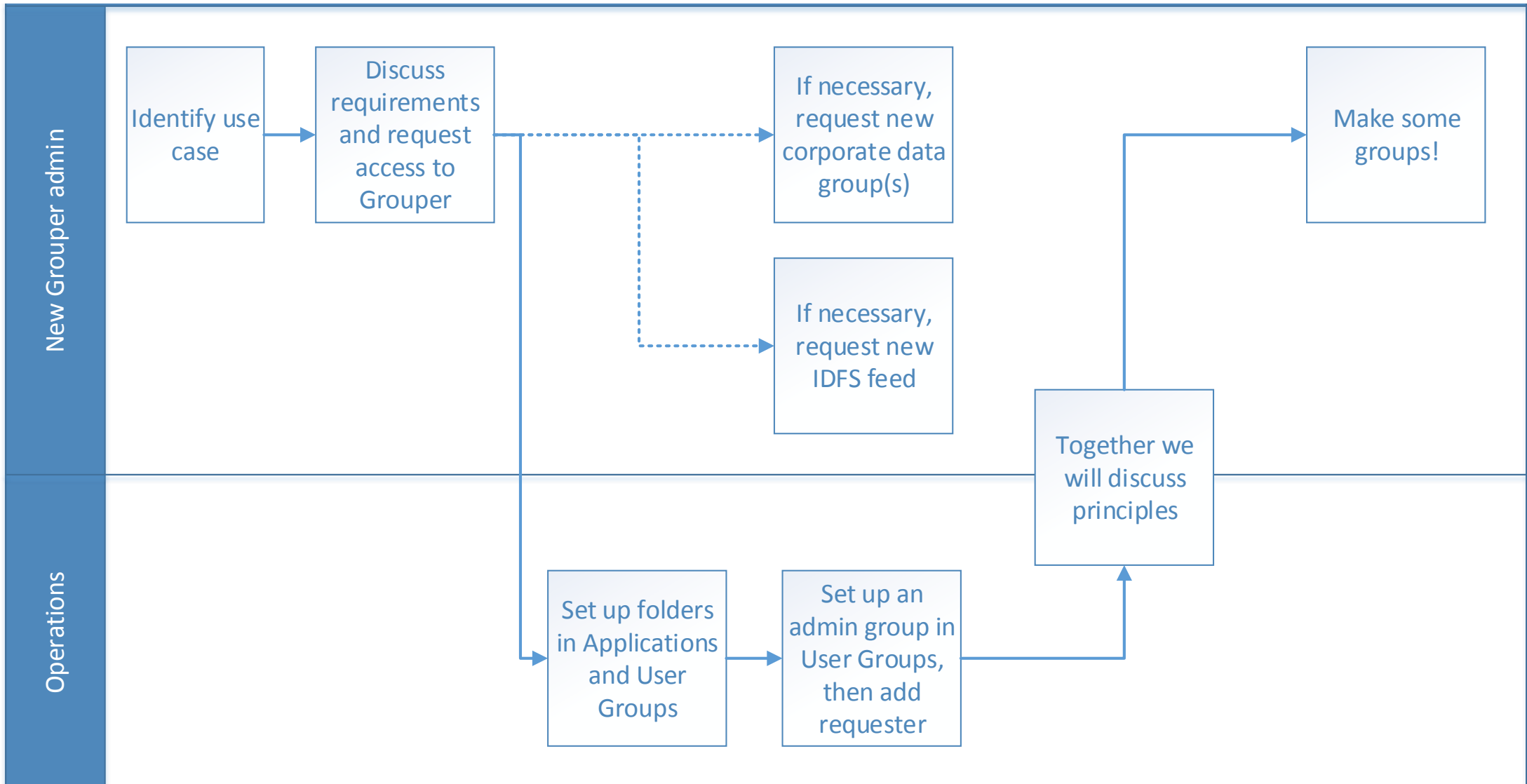


Common queries and workarounds

- 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

