Access Management with Grouper

IAM =
Identity *and Access* Mangement

- Identity: Manage users and service accounts, authentication
- Access: Grant access to authenticated users

- A good access management system should include
  - Centralization with delegation
  - Automation
  - Auditing

Centralization with Delegation

- One authoritative source to manage policy

- Data ownership

- Consistent structure and naming

- Grant control for user management to application owners

+ Create new group ▼

Quick links —

My groups
My folders
My favorites
My services
My activity
Miscellaneous

Browse folders ⇄

- □ 📂 Root
  - ⊞ 📁 201.1.end
  - ⊞ 📁 app
  - ⊞ 📁 basis
  - ⊞ 📁 etc
  - ⊞ 📁 org
  - □ 📂 ref
    - ⊞ 📁 dept
    - ⊞ 📁 employee
    - ⊞ 📁 iam
    - ⊞ 📁 security
    - □ 📂 student
      - 👥 class2020
      - 👥 class2021
      - 👥 class2022
      - 👥 class2023
      - 👥 class2024
      - 👥 class2025
      - 👥 students
  - ⊞ 📁 test

Home › Root › ref › student › students

👥 students

+ Add members

More actions ▼

This group contains contains all students for the purpose of access control. Members automatically get access to a broad selection of student services. You can view where this group is in use by selecting "This group's memberships in other groups" under the "More" tab

Group types: ref. Data owner: Registrar. Member description: All student subjects for the purpose of access control.

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] [Advanced]

[Remove selected members]

☐	Entity name ▼	Membership	Choose action
☐	👤 Adian Clark (aclark706, student)	Indirect	Actions ▼
☐	👤 Adian Gasper (agasper233, student)	Indirect	Actions ▼
☐	👤 Adian Gasper (agasper885, student)	Indirect	Actions ▼
☐	👤 Adian Martinez (amartinez283, student)	Indirect	Actions ▼
☐	👤 Amber Henderson (ahenderson674, student)	Indirect	Actions ▼
☐	👤 Amber Morrison (amorrison42, staff)	Indirect	Actions ▼
☐	👤 Amber Roberts (aroberts694, faculty)	Indirect	Actions ▼
☐	👤 Amber Scott (ascott293, staff)	Indirect	Actions ▼
☐	👤 Andrew Gonazles (agonazles893, faculty)	Indirect	Actions ▼
☐	👤 Andrew Henderson (ahenderson868, facu...	Indirect	Actions ▼

Members | Privileges | More ▾

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

Filter for: [Has direct membership ▾] [Member name] [Apply filter] [Reset] [Advanced]

[Remove selected members]

☐	Entity name ▾	Membership	Choose action
☐	👥 class2021 (ref)	Direct	[Actions ▾]
☐	👥 class2022 (ref)	Direct	[Actions ▾]
☐	👥 class2023 (ref)	Direct	[Actions ▾]
☐	👥 class2024 (ref)	Direct	[Actions ▾]
☐	👥 class2025 (ref)	Direct	[Actions ▾]
☐	👥 exchange_students (basis)	Direct	[Actions ▾]
☐	👥 expelled_32_days (basis)	Direct	[Actions ▾]
☐	👥 loa_4_years (basis)	Direct	[Actions ▾]
☐	👥 resigned_32_days (basis)	Direct	[Actions ▾]
☐	👥 student_no_class_year (basis)	Direct	[Actions ▾]
☐	👥 transfer_student	Direct	[Actions ▾]
☐	👥 transfered_32_days (basis)	Direct	[Actions ▾]

Show: [50 ▾]   Showing 1-12 of 12 · First | Prev | Next | Last

Automation

- Membership inheritence
- Batch jobs for loading
  - LDAP or SQL
  - Web services
- Automatic deprovisioning
- Grace period groups
- Numerous targets for outgoing sync (full or incremental)

Auditing

- Database log of group and membership changes
- Point-in-time snapshots
- Membership attestation
- Provisioning logs
- Reporting functions
- UI Visualization

Visualization