Deborah Fuzetto & Mark Mahon

Drupal 8 Group Module

What can the Group module do for me?

FORUM ONE™

Quick Survey

- Where are you watching from?
- Who has used the Group module in Drupal 8?
- Who has used Organic Groups?

Q&A Etiquette

Ask questions! Please use chat.

Start your question with a "Q - "

Deborah Fuzetto

Technical Architect /
Drupal Developer

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- I've worked with Drupal since 2006 and building website since the mid-nineties.
- My passion is Drupal and sailing.

Mark Mahon

Technical Architect

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- I've worked with Drupal since 2010 and have been getting a lot more depth with WordPress
- I have worked for digital agencies specializing in open-source development for the bulk of my career
- Started a company-focused Drupal install distribution for usage internally
- Strong interests in Machine Learning, DevOps

About Forum One

We've been at this for 24 years.

We've partnered with more than 1,000 organizations and government agencies.

We've helped them better reach their mission on over 2,000 projects.

We are experts in digital strategy, creative, technology, data, and user experience.

We create experiences that make an impact.

Featured Clients

A few clients we've used Group with...

Other clients we've made an impact with...

Intro to Groups

Definition of a group

a number of people or things that are located close together or are considered or classed together.

"Don't do for a group what a group can do for itself."

Emily M. Axelrod

What is the Group Module?

- Collection of entities
- Use cases coming up but there are examples on the project page
- A Group is an entity so it is fieldable

Drupal 8 Group Submodules

- **Group Node**: Enables Group functionality for the Node module.

- **Group Add:** Add members to a group without their consent.

- **Subgroup**: Make group to belong to another group.

- **Group Invite**: Allow group members to invite people into their group.

- **Group member profiles**: Create multiple fieldable member profiles, which can be attached to a member.

Drupal 8 Group

Group contributed modules

- **Group Media** - The now standard way in which media and D8 Group get integrated.

- **Entity Group Field** - Editorial experience improvement to show relationship to groups on entities

- **Group Outside In** - Address issues with how outsider and member roles play together

- **Group Content Menu** / **Group Menu** - Provide navigation for group entities

Group Features

- Group Types
- Group Entity
- Group Relationship entity
- Group Roles / permissions
  - Members
  - Anonymous
  - Outsider
  - "Advanced" Outsider
  - Custom…

See: Group Permissions Documentation for more information

Risks to Be Aware Of

- Upgrading the module and submodules can be a challenge
- Lots of patches
  - Getting webform to work
  - Getting menus to work
- No consistent way to understand what relationships a given entity has at a given time (user, node, etc) - OG Context
- Media and Group interoperability is not very robust.
- UI needs help

Risks to Be Aware Of

Important Patches

- [Workflow](#) - Allow workflow transition permissions to be available to group roles
- Lightning Scheduler - Ask me! Allow scheduler transition permissions to be available to group roles
- [Token](#) - Get gnode submodule to work better with tokens
- UI Improvements
  - [Landing page for group node](#)
  - [Content Creation by Contributor](#)

D8 Group vs Organic Groups

- No dependency on a parent entity
  - Group is it's own entity
- Innate interoperability with core, instead of relying on contrib space
  - Views, node, pathauto, translations (caveat, I haven't tried this)
- Written OOP
- No beta D8 release for OG yet
  - D8 Group has felt stable to me

Credit:

Use Cases

Use Case 1 - Content Ownership

- It is common to want to have content owned and displayed by different Groups.
- Some Groups may not be able to create all content types.
- Groups are used more in the backend to set permissions for editors. The editors are the Group members.
- Anonymous users can see any published content from any Group.

Requirements

- One Group (Association) has full ownership over own content as well as content owned by others.
- Group content has specific page elements, like breadcrumbs, footer and local menu but shares Main site menu.
- Groups (Chapters) cannot add existing or edit content from another Group.
- Groups (Chapters) cannot use Media for other Groups.
- Admin role (Association) can override in other Groups they are not a member of
- Chapter has a Group landing page.

Solution

- Two Group types - one for Association and one for Chapters
- Group Media module
- Configure Outside Permissions on the Chapter Group to allow Association users with an admin role access full access.
- Use Group View as the landing page for the Chapters. Because group is an entity, it is fieldable.

Configuring Group Content

Configure available content ☆

| Edit | Manage fields | Manage form display | Manage display | Permissions | Roles | Content | Automatic label | Devel |

Entities that can be added to this group type.

Hide descriptions

PLUGIN INFORMATION	PROVIDED BY	APPLIES TO	STATUS	OPERATIONS
Group node (Article) Adds *Article* content to groups both publicly and privately.	Group Node	Content	Installed	Configure ▾
Group node (Event) Adds *Event* content to groups both publicly and privately.	Group Node	Content	Installed	Configure ▾
Group node (Flexible Page) Adds *Flexible Page* content to groups both publicly and privately.	Group Node	Content	Not installed	Install
Group node (Giving Campaign or Fund) Adds *Giving Campaign or Fund* content to groups both publicly and privately.	Group Node	Content	Installed	Configure ▾
Group node (Local Center / Clinic) Adds *Local Center / Clinic* content to groups both publicly and privately.	Group Node	Content	Not installed	Install
Group node (Media Clips) Adds *Media Clips* content to groups both publicly and privately.	Group Node	Content	Installed	Configure ▾
Group node (Basic page) Adds *Basic page* content to groups both publicly and privately.	Group Node	Content	Installed	Configure ▾

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Adding fields to Group Type

Chapter ☆

Edit	Manage fields	Manage form display	Manage display	Permissions	Roles	Content	Automatic label

Home » Administration » Groups » Group types » Manage » Edit Chapter » Chapter

+ Add field

LABEL	MACHINE NAME	FIELD TYPE
3 star Charity Navigator	field_3_star_charity_navigator	Link
4 star Charity Navigator	field_4_star_charity_navigator	Link
BBB Accredited Charity	field_bbb_accredited_charity	Link
Body	field_body	Entity reference revisions
Chapter Contact Info	field_chapter_contact_info	Entity reference revisions
Chapter Teaser	field_chapter_teaser	Text (formatted, long)
Chapter URL	field_chapter_url	Link
Contact Us Link	field_contact_us_link	Link

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Permissions

- Basic permissions
- Advanced outsider permissions

Edit group type permissions ☆

Basic permissions   Advanced outsider permissions

Group types use three special roles:

- **Anonymous:** This is the same as the global Anonymous role, meaning the user has no account.
- **Outsider:** This means the user has an account on the site, but is not a member of the group.
- **Member:** The default role for anyone in the group. Behaves like the "Authenticated user" role does globally.

Cells with a – indicate that the permission is not available for that role.

Hide descriptions

PERMISSION	ANONYMOUS	OUTSIDER	MEMBER
Group			
General			
Access all entities overview *Warning: This can be rather technical and should only be granted to power users.* View all of the entity relations for the group	☐	☐	☐
Administer group *Warning: Give to trusted roles only; this permission has security implications.* Administer the group, its content and members	☐	☐	☐
Delete group Delete the group	☐	☐	☐

Ⓕ

Edit advanced outsider permissions ☆

Edit	Manage fields	Manage form display	Manage display	**Permissions**	Roles	Content	Automatic label	Devel

Basic permissions   Advanced outsider permissions

Home » Administration » Groups » Group types » Manage » Edit Chapter » Edit group type permissions » Edit advanced outsider permissions

If one Outside role to represent all Authenticated users does not cut it, this is the form for you.
Here you can assign outsider permissions per configured site role.
Please note that any permissions set here will become void once the user joins the group.

Cells with a – indicate that the permission is not available for that role.

Hide descriptions

PERMISSION	ADMINISTRATOR	CHAPTER EDITOR	NATIONAL ADMIN
Group			
General			
Access all entities overview *Warning: This can be rather technical and should only be granted to power users.* View all of the entity relations for the group	☐	☐	☐
Administer group *Warning: Give to trusted roles only; this permission has security implications.* Administer the group, its content and members	☐	☐	☑
Delete group Delete the group	☐	☐	☐
Edit group Edit the group information	☐	☐	☐
View group	☐	☐	☐

Use Case 1 - Challenges

- Media permissions
- Allowing access to the Association for all Chapter content.
  - Group Outsider In module to the rescue
- Breadcrumbs and alias needed manipulation
- Group content required a custom footer
- Group view page does not have revisions so you cannot create a draft.
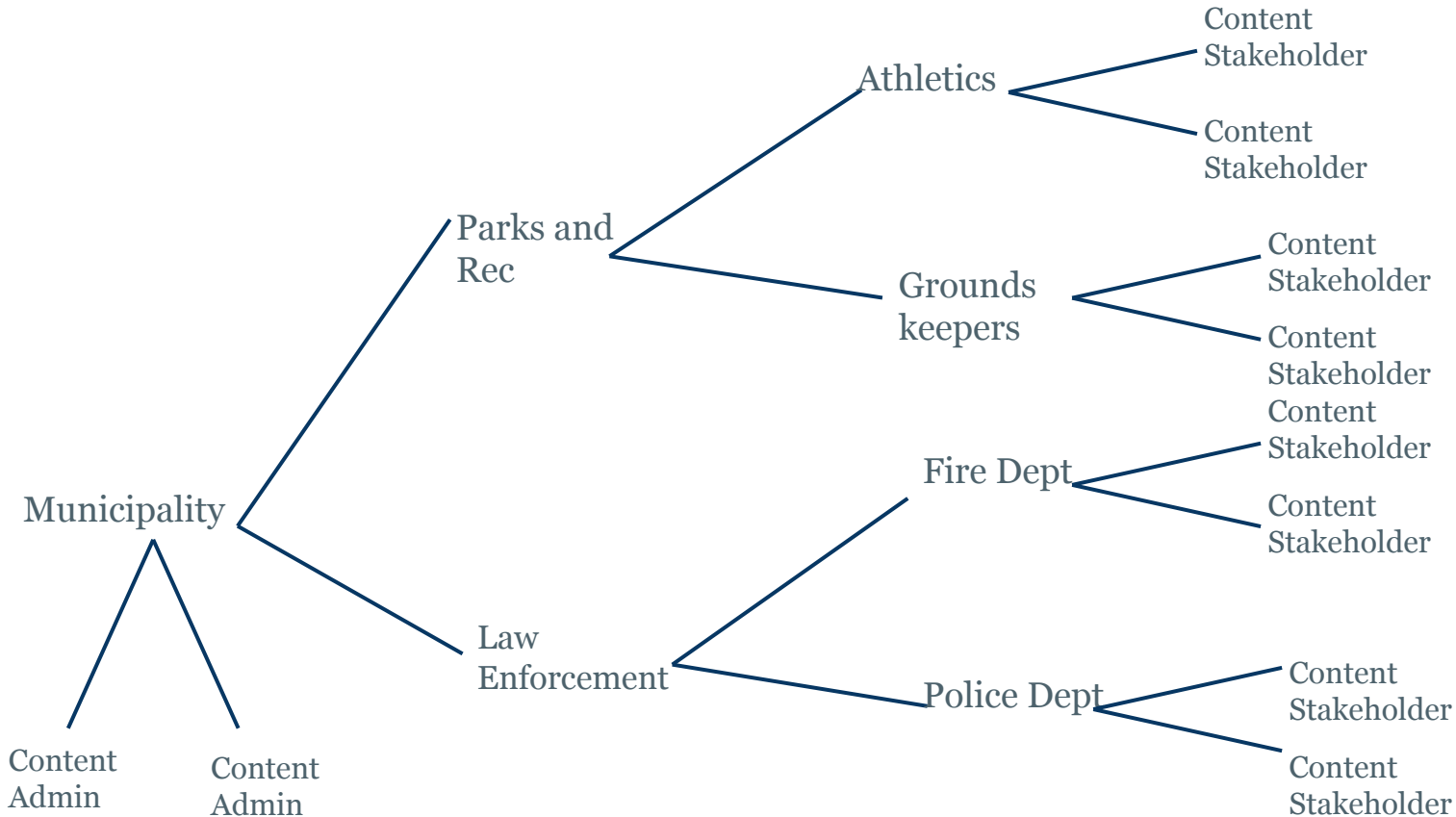
Use Case 2

Local Municipality

- Purely administrative that allows content to be curated through a workflow process
- Workflow scheduling via Lightning Scheduler module
- Group menu
- Workflow in Groups
- Need to instruct administrative theme to use administrative routes in breadcrumbs
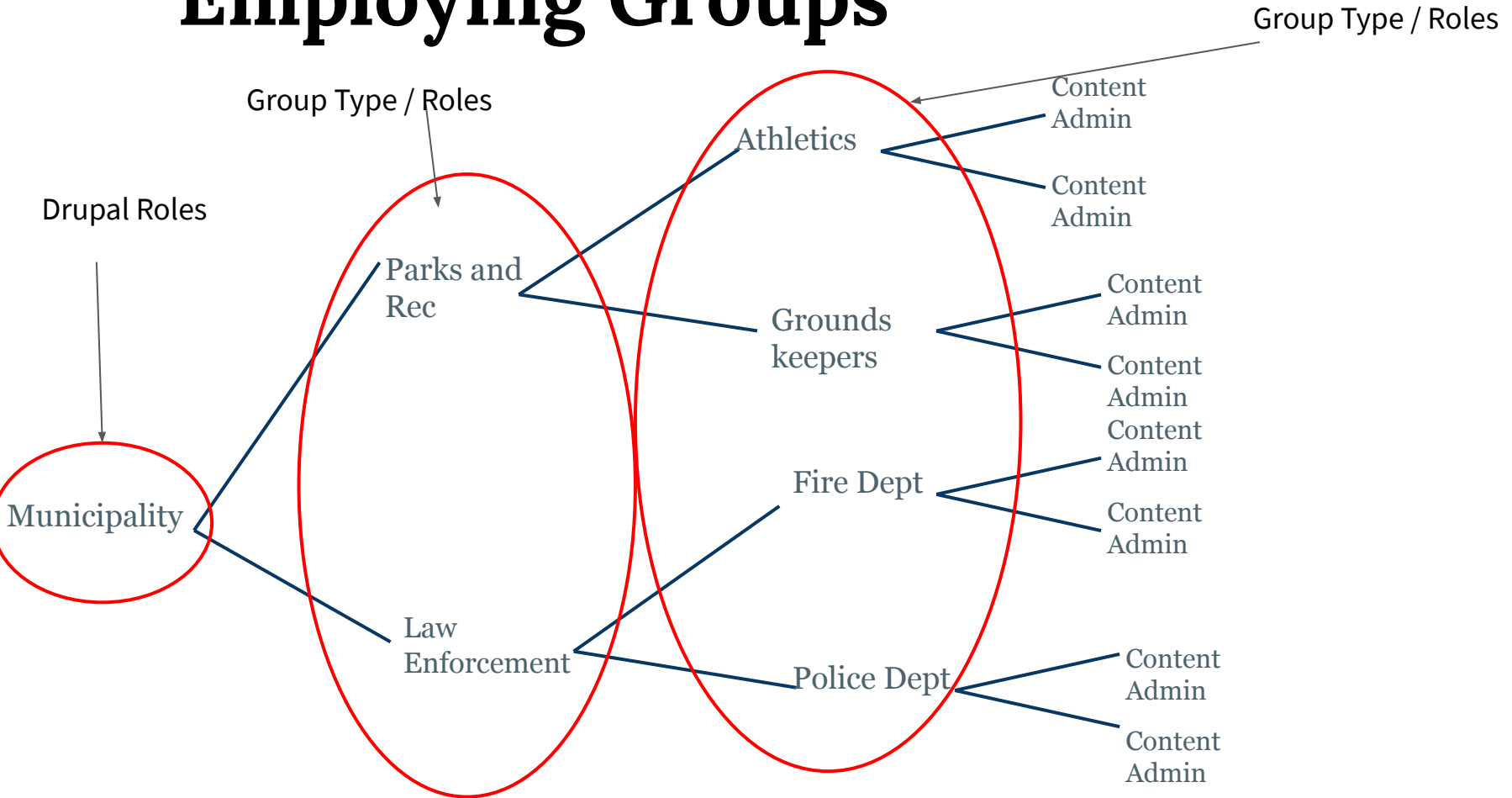
Use Case 2 - Challenges

- Lots of contributors (~200+)
- Lots of granular groups
- Desire for concise administration experience
- SSO via SAML login
- Group Menu solution

Employing Groups

Municipality
- Content Admin
- Content Admin
- Parks and Rec
  - Athletics
    - Content Stakeholder
    - Content Stakeholder
  - Grounds keepers
    - Content Stakeholder
    - Content Stakeholder
- Law Enforcement
  - Fire Dept
    - Content Stakeholder
    - Content Stakeholder
  - Police Dept
    - Content Stakeholder
    - Content Stakeholder

Employing Groups

Use Case 2 - Customizations

- Added a views display plugin to provide ability to filter content by what group someone belongs to
  - Github
- Added some UI enhancements to how some routing works within groups
 - Github

Use Case 3

- Departments / organizations within a large county school system to allow those departments to provide information about themselves through group entity display modes and also curate content via workflow process
- Nicest people on the planet

Use Case 3 - Challenges

- Lots of contributors (~200+)
- Search API > Solr Usage
- Complex workflow requirements
- Desire for strong administration experience
- Content migrations
- Favoriting / Subscribing to stuff
- SSO via SAML
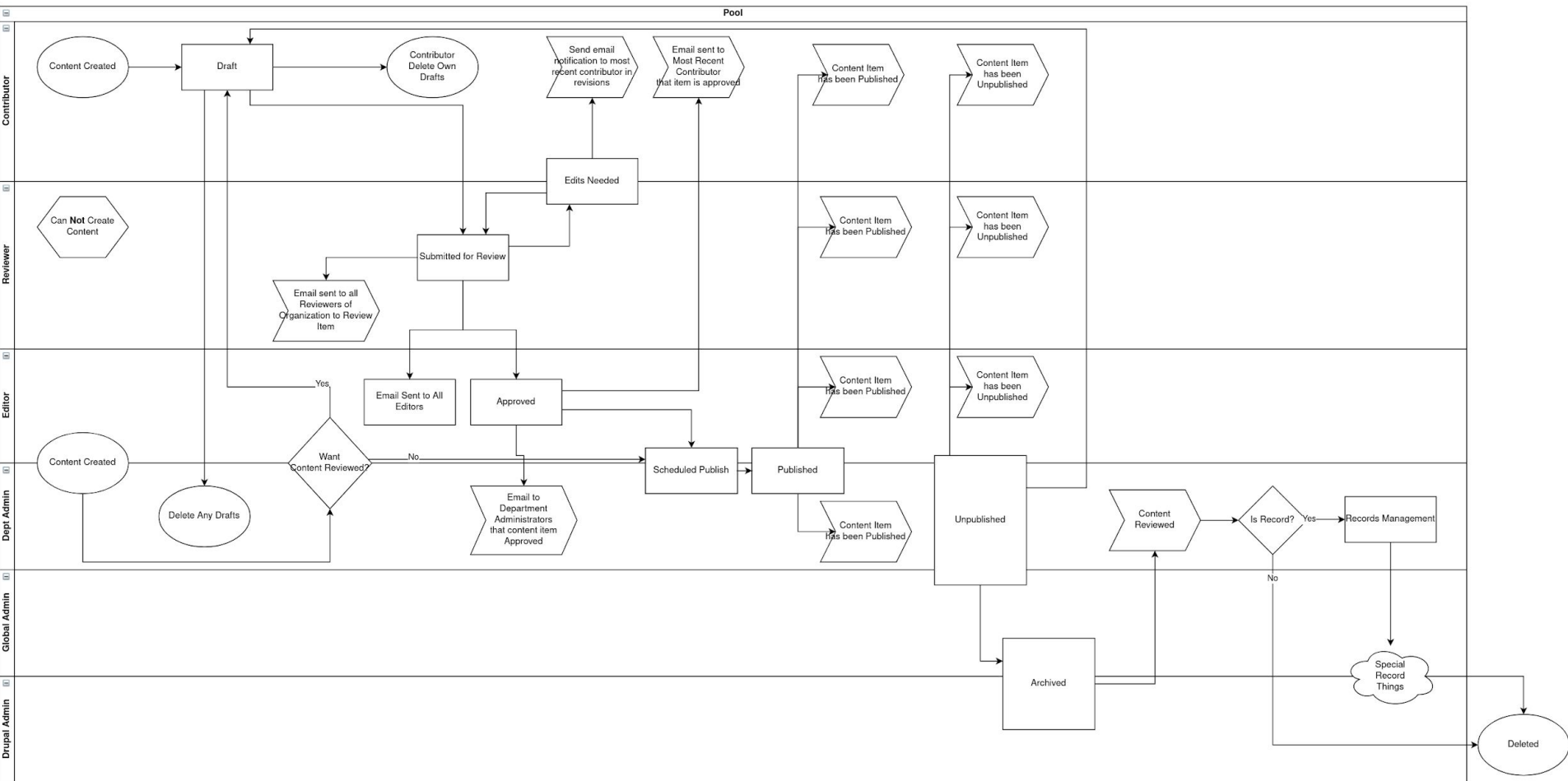
Roles and Responsibilities

Group Roles
- Contributor
- Reviewer
- Editor
- Department Administrator

Drupal Roles
- Group Member
- Group Reviewer
- Global Content Administrator
- Administrator

Workflow Transitions
- Draft
- Submitted for Review
- Edits Needed
- Approved by Reviewer
- Scheduled Published Date
- Published
- Unpublished
- Archived

Use Case 3 - Customizations

- Same route changes as Municipality Use Case
- Added Replicate module integration to allow for replication of groups (I should probably contrib this!)
  - [Github](#)
- There was a need for a Drupal Role to be added to users when they became a member to give blanket roles to individuals
- Performed a Drupal migration import into Group Entities
- A lot of front-end development work to make the end-user representation of group entities be beautiful

Let's discuss!

Tell me about your group module experiences.

Thank you!

Coming up next Saturday 11 am

- 11am - **Layout Builder Components Can Break Your Site—Part 2** with André Angelantoni

- 11am - **Tackling Configuration Management Head On** with Rolando Scott

- 11am - **The Webform module's greatest hits, combined by an AMA** with Jacob Rockowitz

Coming up next Saturday 10:45am

platform.sh

- Coffee Break sponsored by platform.sh in the Expo Hall