Drupal + ECA | Automating AI-Driven Editorial Workflows

Overview

In the last session, we built AI Agents that automatically added recipes to the site. This session builds on that foundation by introducing Event–Condition–Action (ECA) and showing how it can orchestrate real editorial workflows that blend automation, human review, and AI validation inside Drupal.

We'll walk through how ECA rules can trigger redirections, manage reviewer workflows, notify editors, and even run AI checks before content gets published. We'll conclude by building a complete multi-step workflow—including loops and branching—to demonstrate how far ECA + AI can go together.

What You'll Learn

Understanding Search Models

- How traditional keyword-based search works in Drupal and where it falls short.
- How semantic search differs and how embeddings capture meaning and context.

Understanding ECA for AI Workflows

- What ECA is and how it complements the Drupal AI ecosystem
- How events, conditions, and actions can coordinate multi-step editorial flows
- Where AI can be injected for validation, summarization, and decision-making
- Real-world editorial automation patterns

Building Your First ECA Rule

- Creating a rule that redirects all users with the *Content Reviewer* role to a custom dashboard
- Building a "Review AI-Generated Content" page using Views
- Capturing reviewer feedback using forms or notes
- Assigning reviewed content to editors for final changes

Automating Notifications & Assignments

- Using ECA to detect when a reviewer assigns a page
- Automatically sending email notifications to editors
- Logging assignment activity for audit history
- Optional extension: auto-tagging content based on reviewer comments using AI

AI-Driven Editorial Validation

- When an editor updates content, triggering an ECA event
- Using AI to compare reviewer feedback with editor changes
- Designing prompts that determine whether content is ready for publication
- Implementing AI “decision actions” that:
    - Approve content for publishing
    - Request rework
    - Loop the content back to reviewers

Hands-On: Complex Workflow Build

A guided walkthrough of a **multi-step editorial workflow** using ECA + AI:

- Reviewer Login → Auto-Redirect to Dashboard
- Reviewer Picks AI-Generated Page → Adds Feedback
- Reviewer Assigns to Editor → ECA Sends Email
- Editor Updates Page → ECA Triggers AI Comparison
- AI Checks Alignment with Feedback
- If aligned → Auto-Publish
- If not aligned → Loop back to Reviewer
- Full audit trail + looping workflow demonstration

Includes:

- Conditions
- Branching
- Loops
- AI decision nodes
- Live testing of rule execution

Who Should Attend

- Drupal Developers & Site Builders exploring workflow automation
- Technical Architects designing intelligent editorial systems
- Teams managing high-volume or AI-generated content
- Anyone experimenting with content governance in AI-powered ecosystems

Key Takeaways

By the end of the session, you will:

- Understand how to build and extend ECA rules for multi-step workflows
- Know how to integrate AI logic into ECA using Drupal AI
- Be able to automate reviewer–editor–publisher flows
- Walk away with a working, end-to-end AI-validated editorial workflow

Format

- **Type:** Live Interactive Session
- **Duration:** ~60 minutes
- **Includes:** Live walkthroughs, rule-building, debugging, AI validation demos, and Q&A