MODERATION

Content moderation workflow with workbench

LIVING WITH MODERATION

- *Electrical Engineer (2005)*

- *C/C++ programmer (2006)*

- *Full time Drupal developer (mid 2009)*

- *Freelance & Drupal evangelist*

  - *Drupal profile e0ipso. Not so prolific contributor.*

- *Occasional speaker (spanish community)*

ME

- *Not needed by everyone.*

- *Needed when there is no confidence.*

- *Typically big websites.*

- *Based on roles.*

MODERATION

WHO NEEDS IT?

A SENSITIVE MATTER

- *Content is a sensitive matter.*

- *Companies invest €$¥ in communication.*

- *Screenshot slavery.*

- *Your code is a <u>sensitive</u> matter.*

- *Does that company invest the same money in web development?*

- *Would you allow anyone to deploy your code?*

YOU MAY NOT LIKE IT

Rafa Nadal doblega a Ferrer y alcanza su séptima final

Jugará la final con el *puto* serbio que gano a Federer

Rafael Nadal superó a David Ferrer en el duelo español de las semifinales de Roland Garros, por 6-2, 6-2 y 6-1, y alcanzó

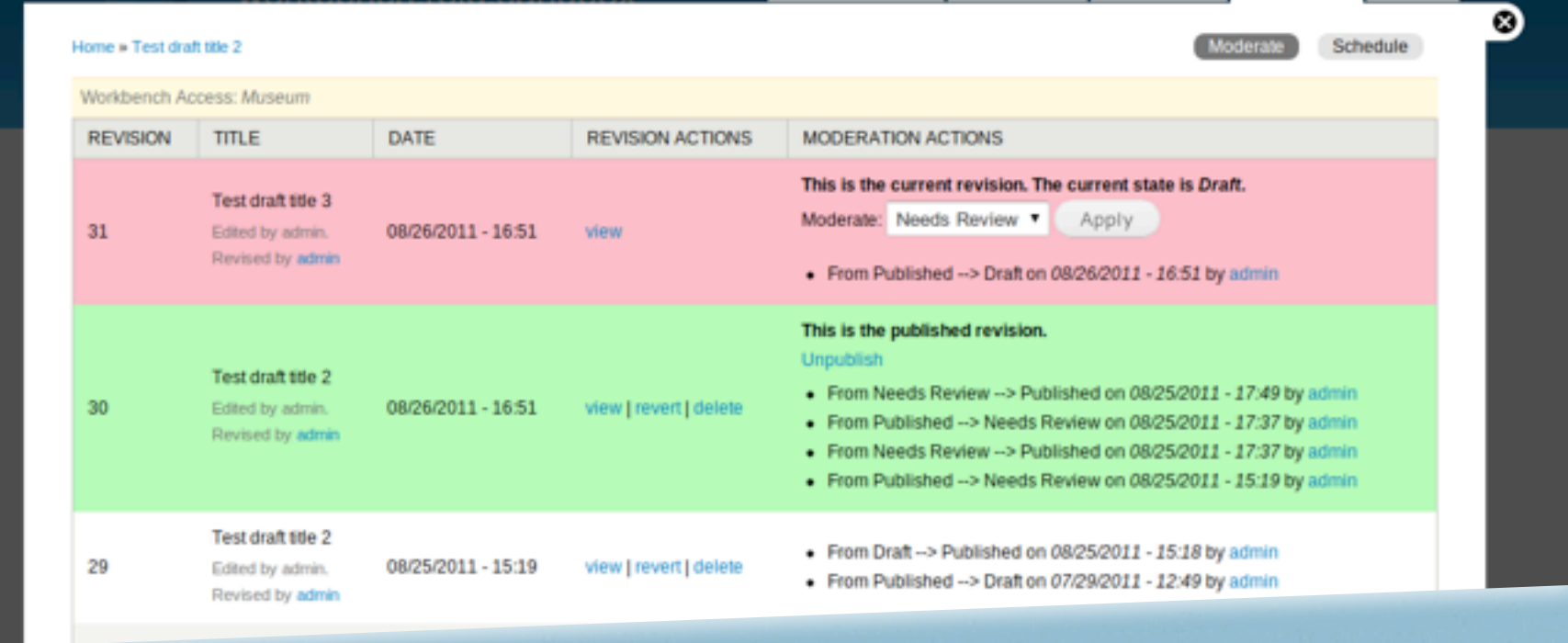tima vez en ocho años la final en será la decimosexta en torneos

"[…] the fucking Serbian […]"

DEALING WITH CONTENT
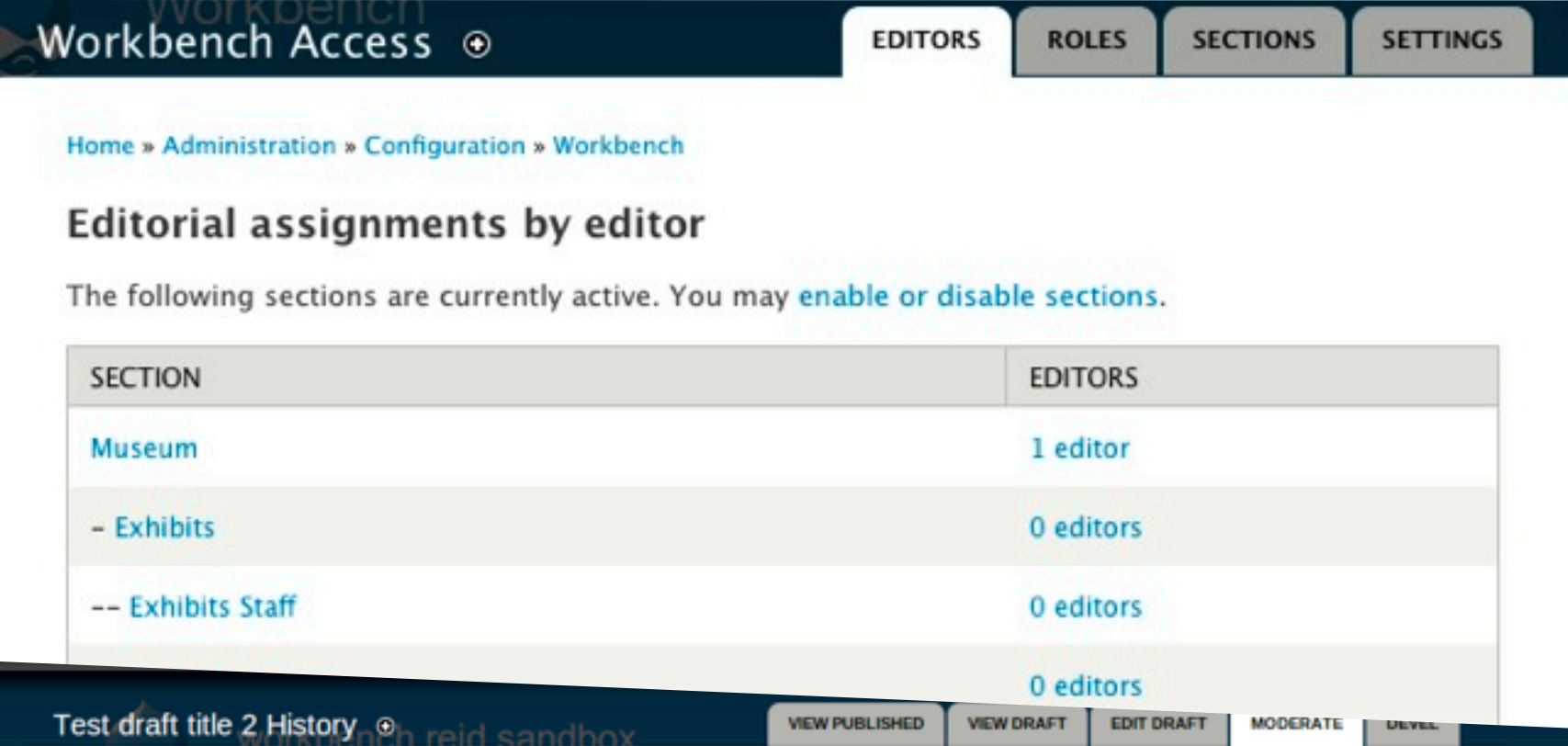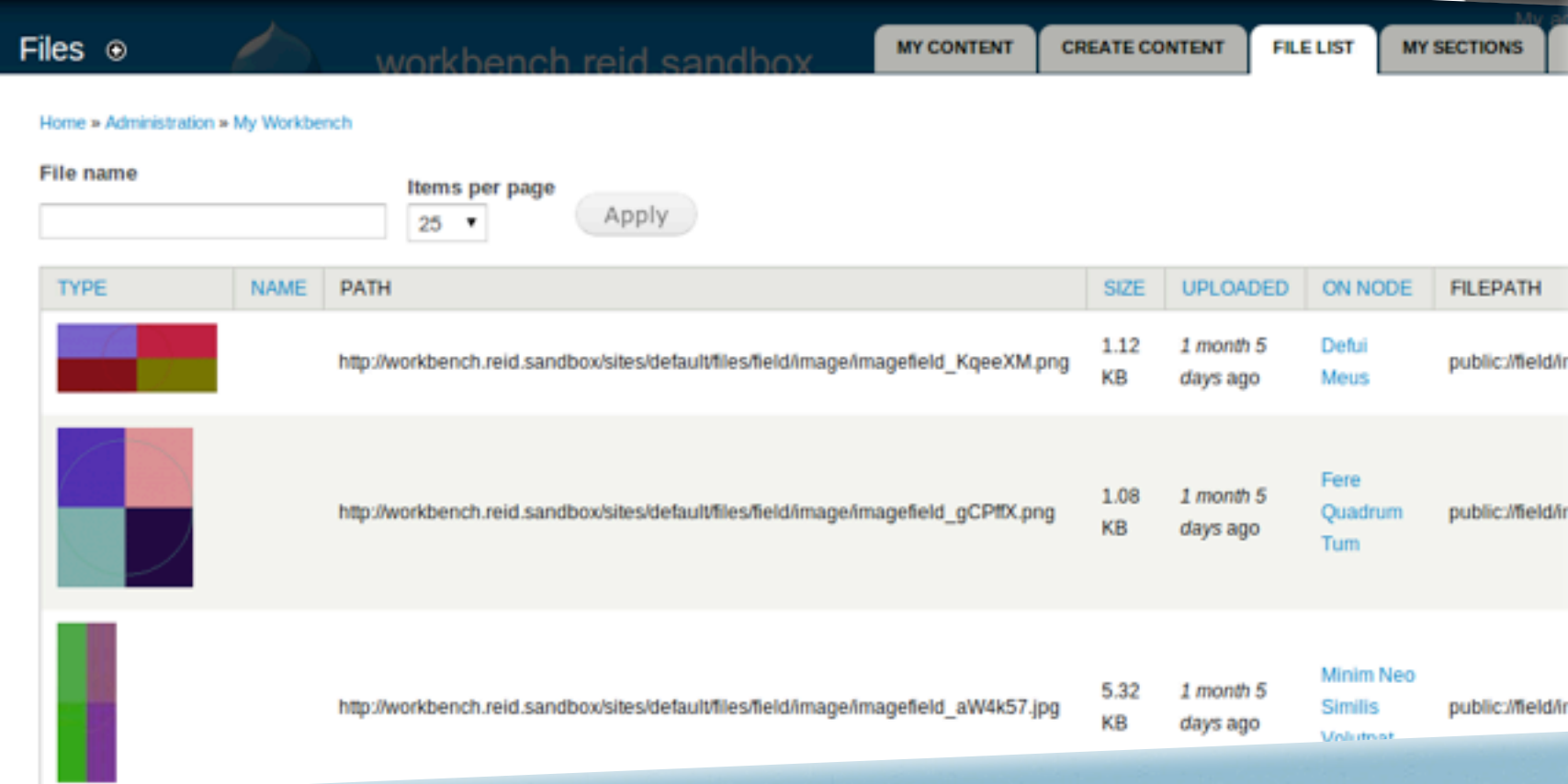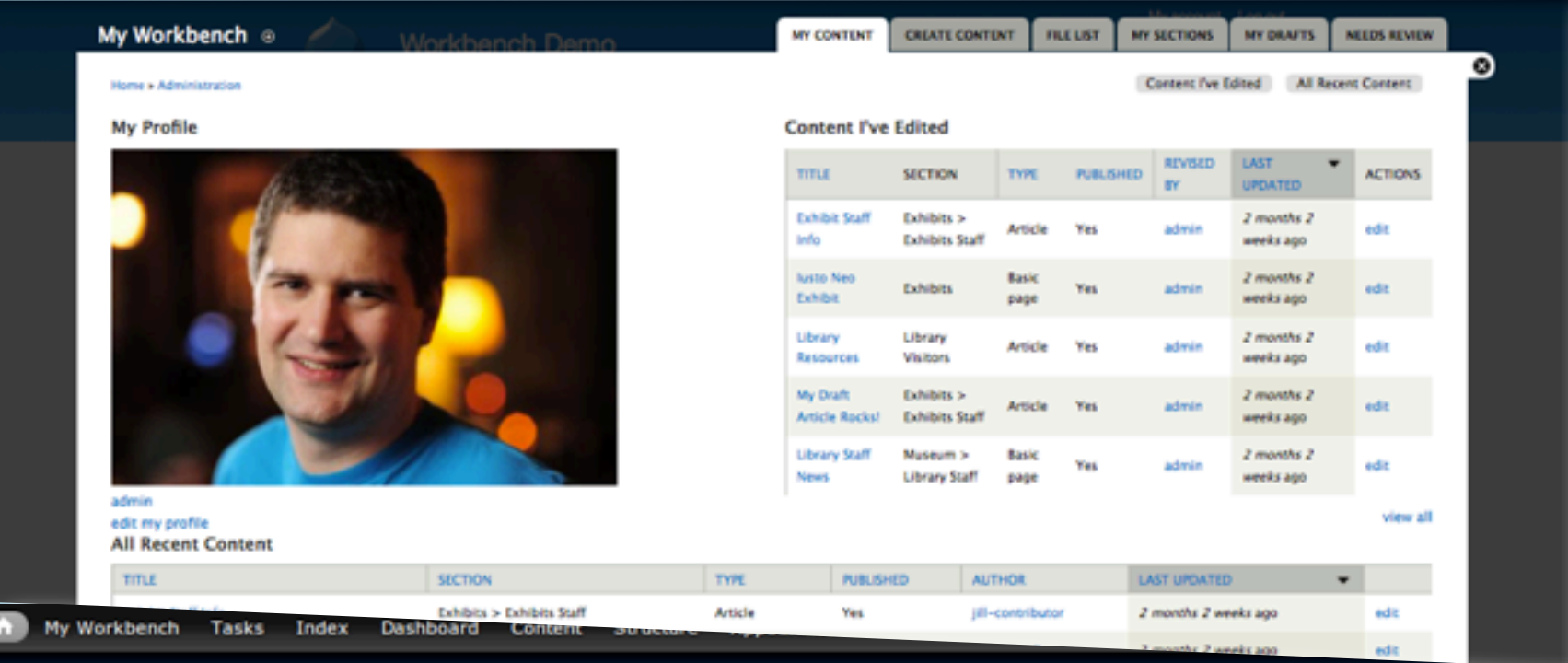
WORKBENCH MODERATION

- *Development sponsored by <u>Palantir</u>.*

- *Part of Workbench, a larger suite.*

  - *Workbench*

  - *Workbench moderation (Steve Persch, Bec White)*

  - *Workbench access*

  - *Workbench media & files*

THANK THESE GUYS

- _Workbench_: where to go for content.

- _Workbench access_: manage sections and access to them.

- _Workbench media_: integrates the media module.

- _Workbench files_: file management.

MORE WORKBENCH

MY CONTENT | CREATE CONTENT | FILE LIST | MY SECTIONS | MY DRAFTS | NEEDS REVIEW

Home » Administration

My Profile

Content I've Edited

Content I've Edited | All Recent Content

TITLE	SECTION	TYPE	PUBLISHED	REVISED BY	LAST UPDATED	ACTIONS
Exhibit Staff Info	Exhibits > Exhibits Staff	Article	Yes	admin	2 months 2 weeks ago	edit
Iusto Neo Exhibit	Exhibits	Basic page	Yes	admin	2 months 2 weeks ago	edit
Library Resources	Library Visitors	Article	Yes	admin	2 months 2 weeks ago	edit
My Draft Article Rocks!	Exhibits > Exhibits Staff	Article	Yes	admin	2 months 2 weeks ago	edit
Library Staff News	Museum > Library Staff	Basic page	Yes	admin	2 months 2 weeks ago	edit

admin
edit my profile
All Recent Content

view all

TITLE	SECTION	TYPE	PUBLISHED	AUTHOR	LAST UPDATED	
	Exhibits > Exhibits Staff	Article	Yes	jill-contributor	2 months 2 weeks ago	edit
						edit

My Workbench | Tasks | Index | Dashboard | Content | Structure

Workbench Access ⊕

EDITORS | ROLES | SECTIONS | SETTINGS

Home » Administration » Configuration » Workbench

Editorial assignments by editor

The following sections are currently active. You may enable or disable sections.

SECTION	EDITORS
Museum	1 editor
– Exhibits	0 editors
–– Exhibits Staff	0 editors
	0 editors

Files ⊕

MY CONTENT | CREATE CONTENT | FILE LIST | MY SECTIONS

Home » Administration » My Workbench

File name

Items per page
25

Apply

TYPE	NAME	PATH	SIZE	UPLOADED	ON NODE	FILEPATH
		http://workbench.reid.sandbox/sites/default/files/field/image/imagefield_KqeeXM.png	1.12 KB	1 month 5 days ago	Defui Meus	public://field/i
		http://workbench.reid.sandbox/sites/default/files/field/image/imagefield_gCPffX.png	1.08 KB	1 month 5 days ago	Fere Quadrum Tum	public://field/i
		http://workbench.reid.sandbox/sites/default/files/field/image/imagefield_aW4k57.jpg	5.32 KB	1 month 5 days ago	Minim Neo Similis Volutpat	public://field/i

Test draft title 2 History ⊕

VIEW PUBLISHED | VIEW DRAFT | EDIT DRAFT | MODERATE | DEVEL

Home » Test draft title 2

Moderate | Schedule

Workbench Access: Museum

REVISION	TITLE	DATE	REVISION ACTIONS	MODERATION ACTIONS
31	Test draft title 3 Edited by admin. Revised by admin	08/26/2011 - 16:51	view	This is the current revision. The current state is *Draft*. Moderate: Needs Review ▾ Apply • From Published --> Draft on *08/26/2011 - 16:51* by admin
30	Test draft title 2 Edited by admin. Revised by admin	08/26/2011 - 16:51	view | revert | delete	This is the published revision. Unpublish • From Needs Review --> Published on *08/25/2011 - 17:49* by admin • From Published --> Needs Review on *08/25/2011 - 17:37* by admin • From Needs Review --> Published on *08/25/2011 - 17:37* by admin • From Published --> Needs Review on *08/25/2011 - 15:19* by admin
29	Test draft title 2 Edited by admin. Revised by admin	08/25/2011 - 15:19	view | revert | delete	• From Draft --> Published on *08/25/2011 - 15:18* by admin • From Published --> Draft on *07/29/2011 - 12:49* by admin

Workbench suite

SUITE

REAL WORLD EXAMPLE

Pretty simple workflow configuration: Small magazine

WE JUST NEED...

- *Approve content created by contributors.*

- *Correct content once is ready.*

- *Publish it.*

- *...*

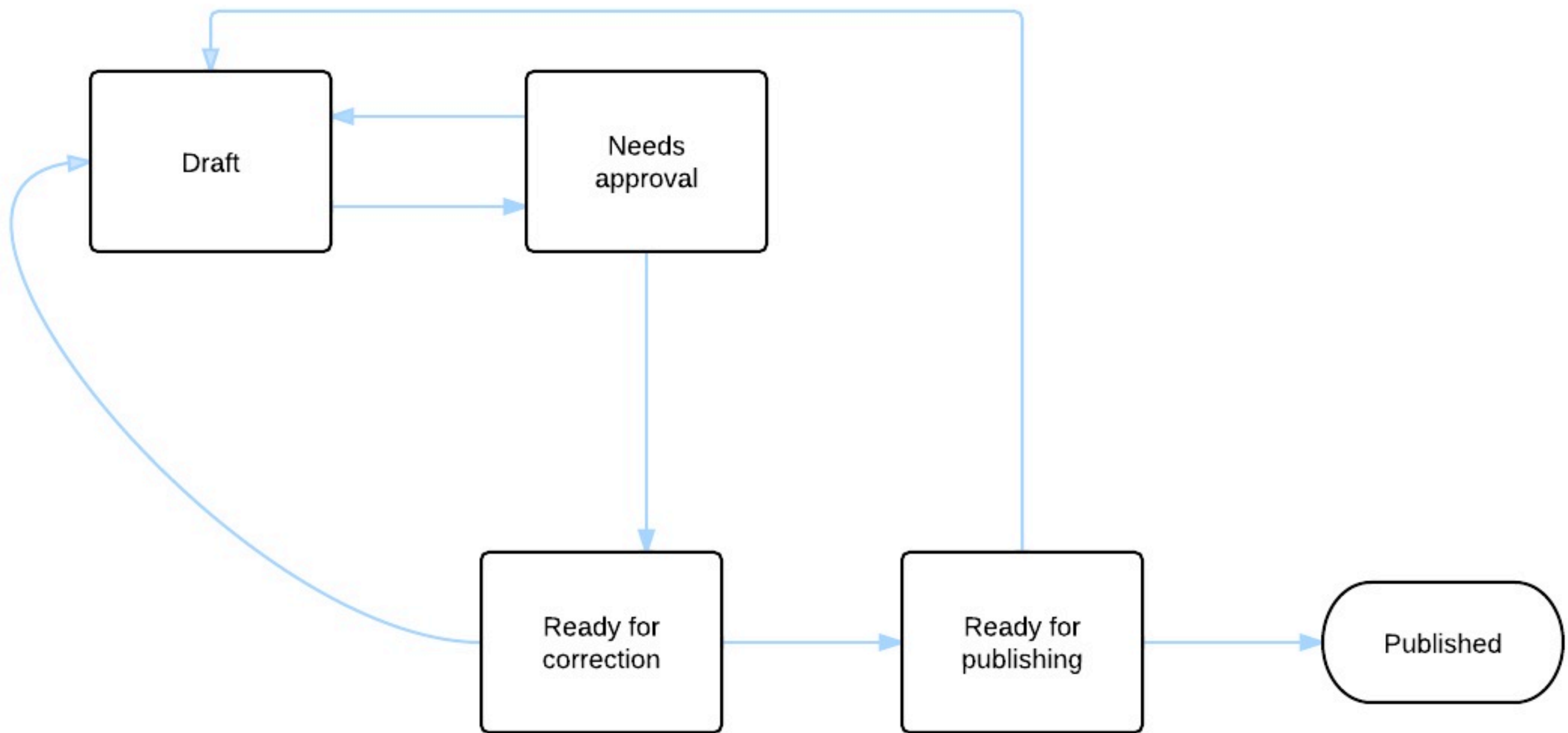- *They realize new requirements at the testing stage.*

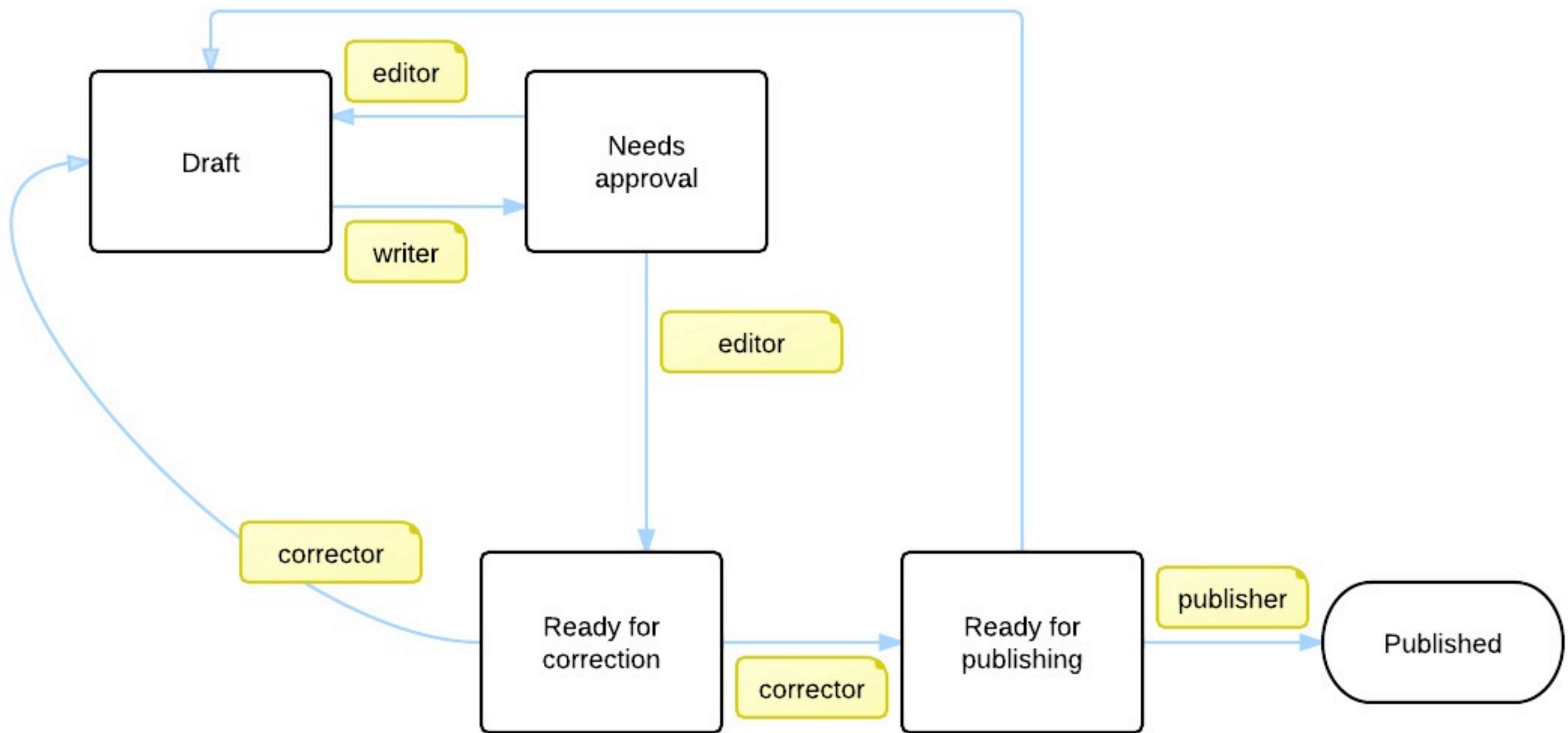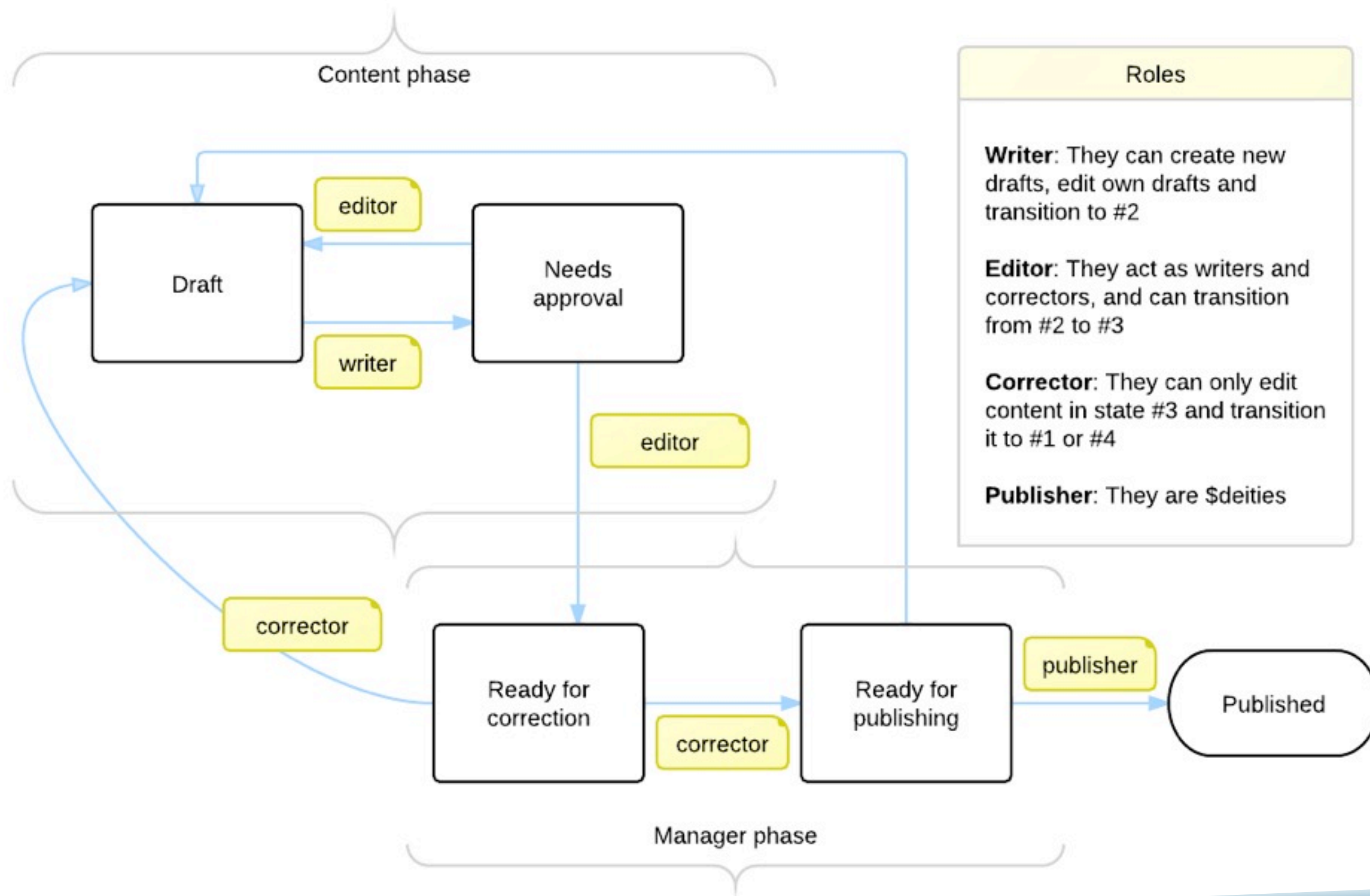REQUIREMENTS

STATES

STATES & TRANSITIONS

PERSMISIONS

Content phase

Draft

Needs approval

editor

writer

editor

corrector

Ready for correction

corrector

Ready for publishing

publisher

Published

Manager phase

Roles

Writer: They can create new drafts, edit own drafts and transition to #2

Editor: They act as writers and correctors, and can transition from #2 to #3

Corrector: They can only edit content in state #3 and transition it to #1 or #4

Publisher: They are $deities

ANALYSIS

- *States.*

- *Transitions.*

- ***Permissions.***

CONCEPTS

- *Define the different situations a piece of content can sit on.*

- *Usually relate to roles (permissions).*

- *User defined, except for:*

  - *Draft.*

  - *Published.*

STATES

WHERE
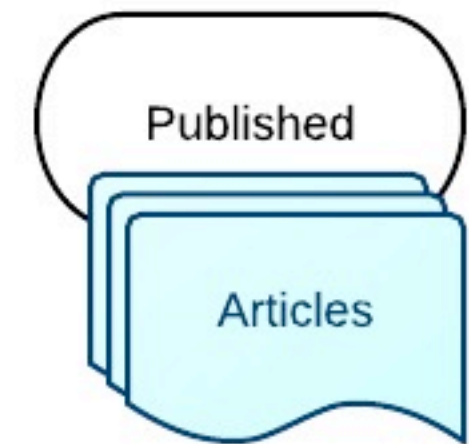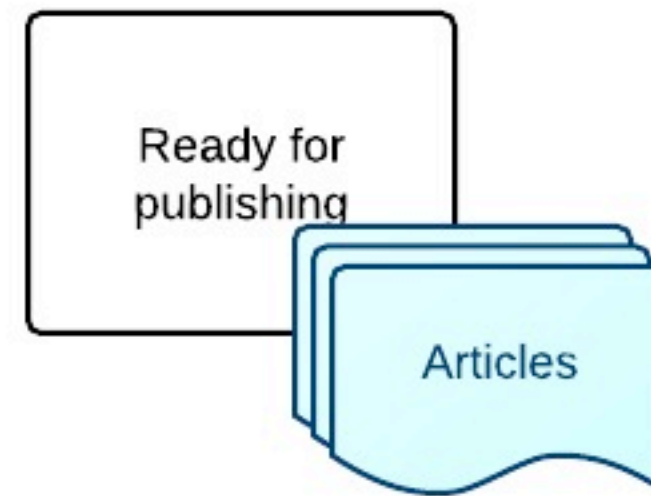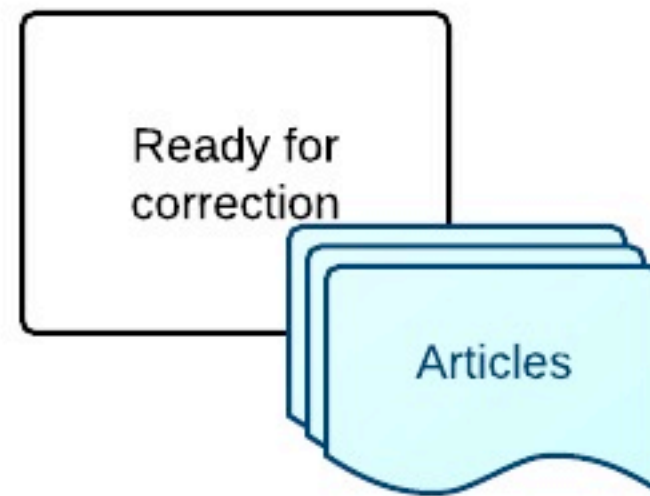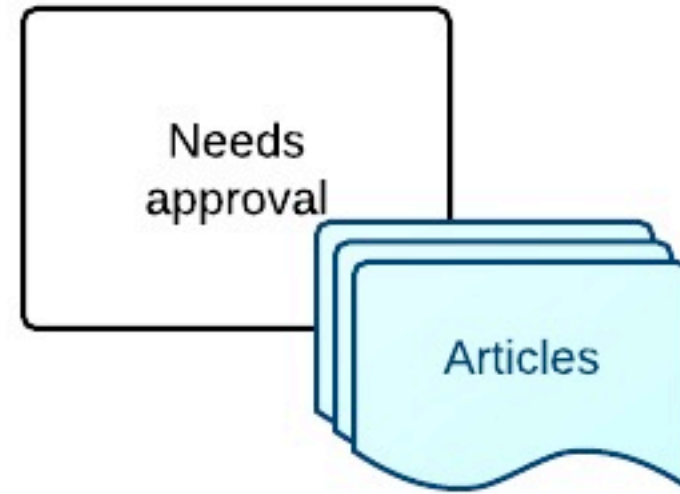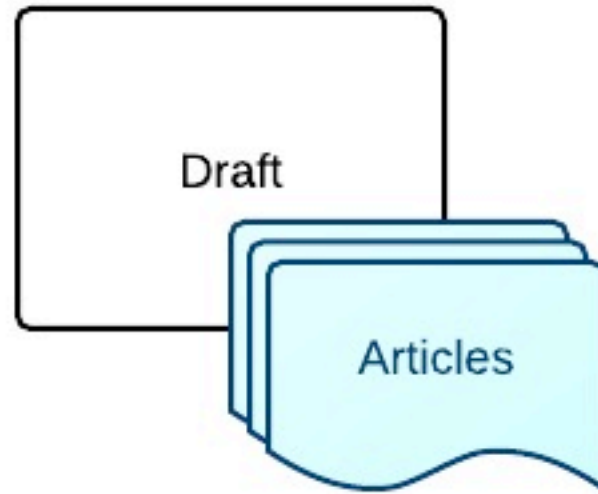
- *Define state changes. Some changes allowed & other disallowed. (From A to B).*

- *Usually relate to actions (permissions).*

- *Toggled by the user.*
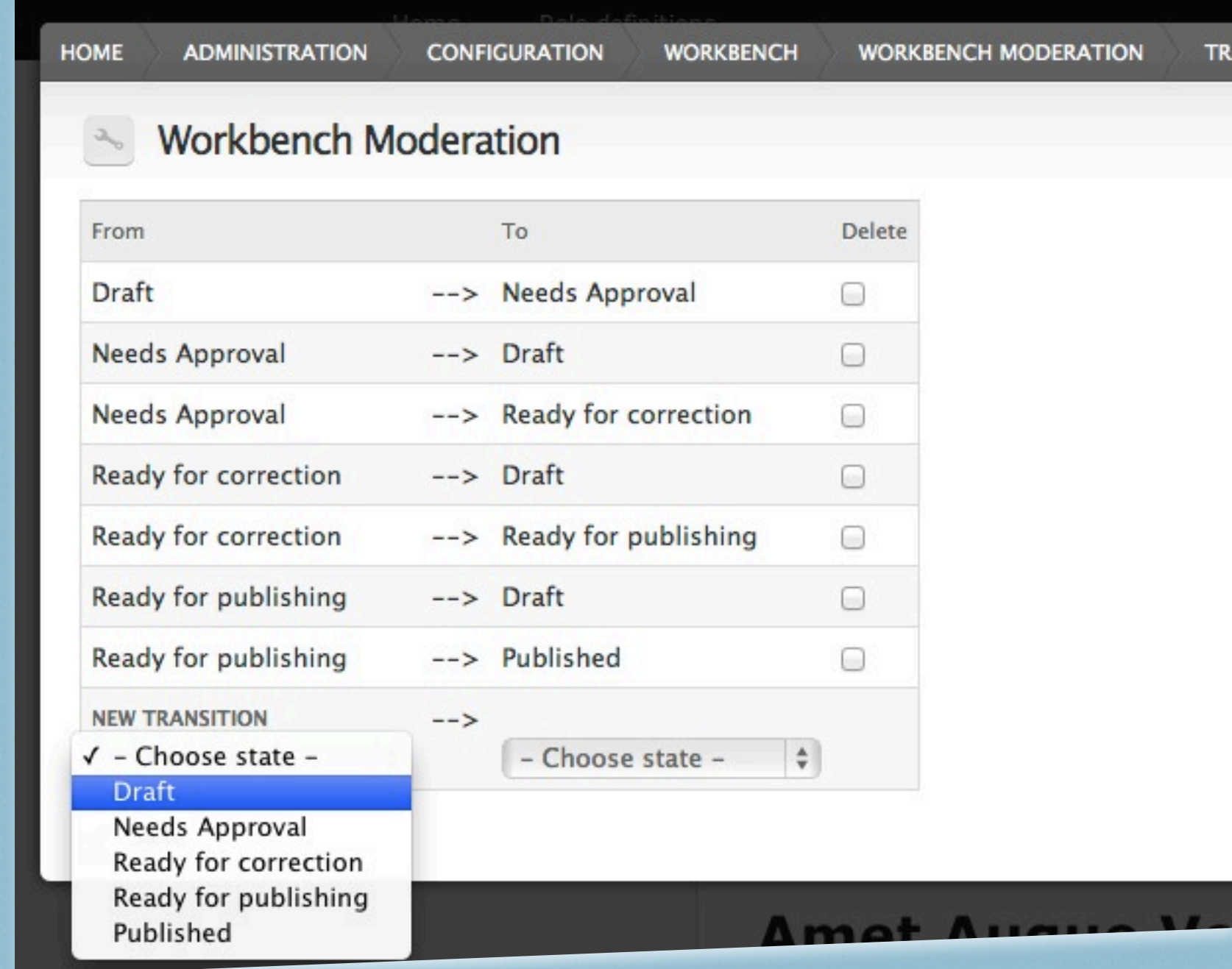
TRANSITIONS
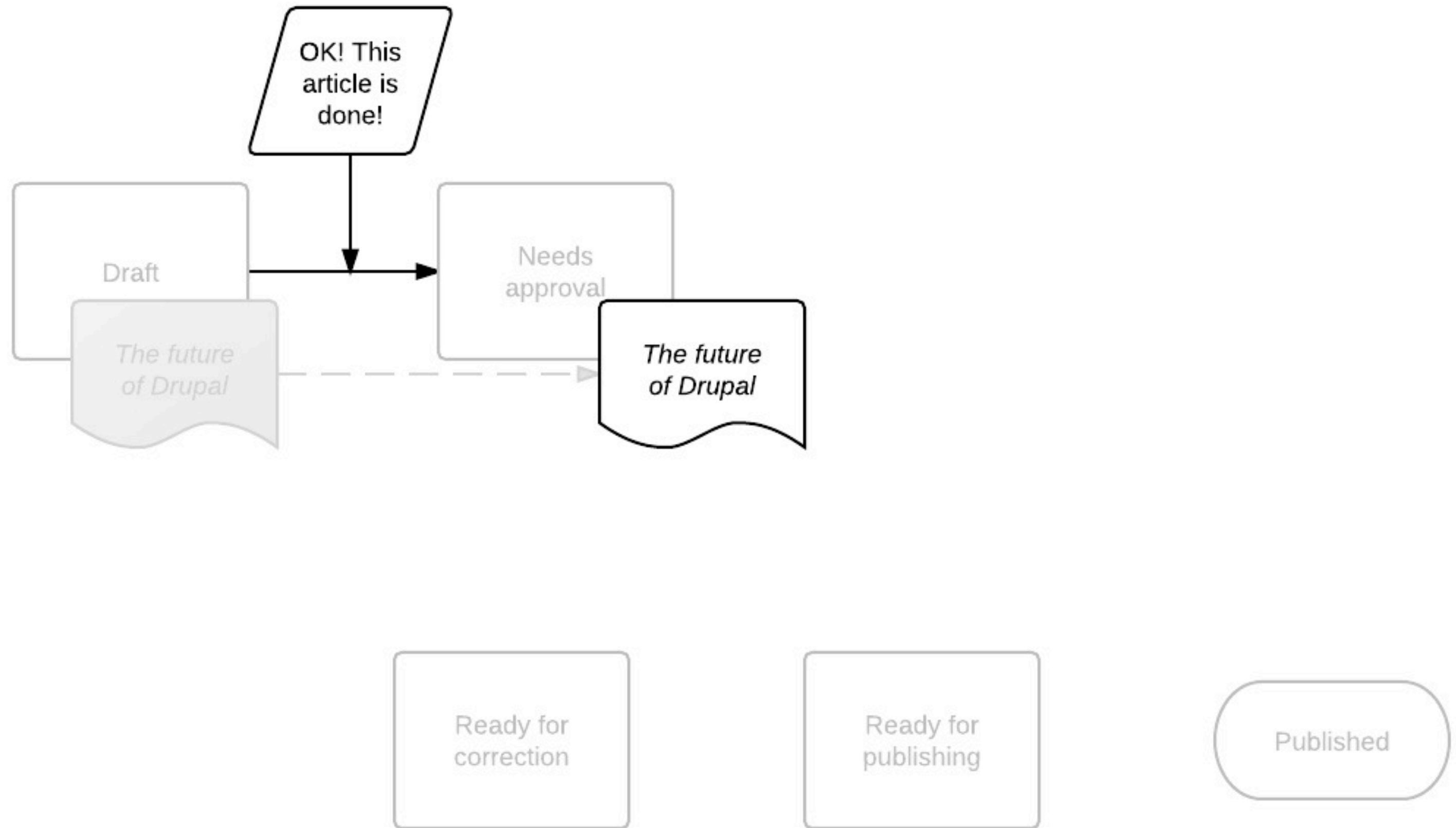
- *They are the key of all this.*

- *Usually bad specifications.*

- *They might affect how you structure your states & transitions*

PERMISSIONS

ACCES DENIED
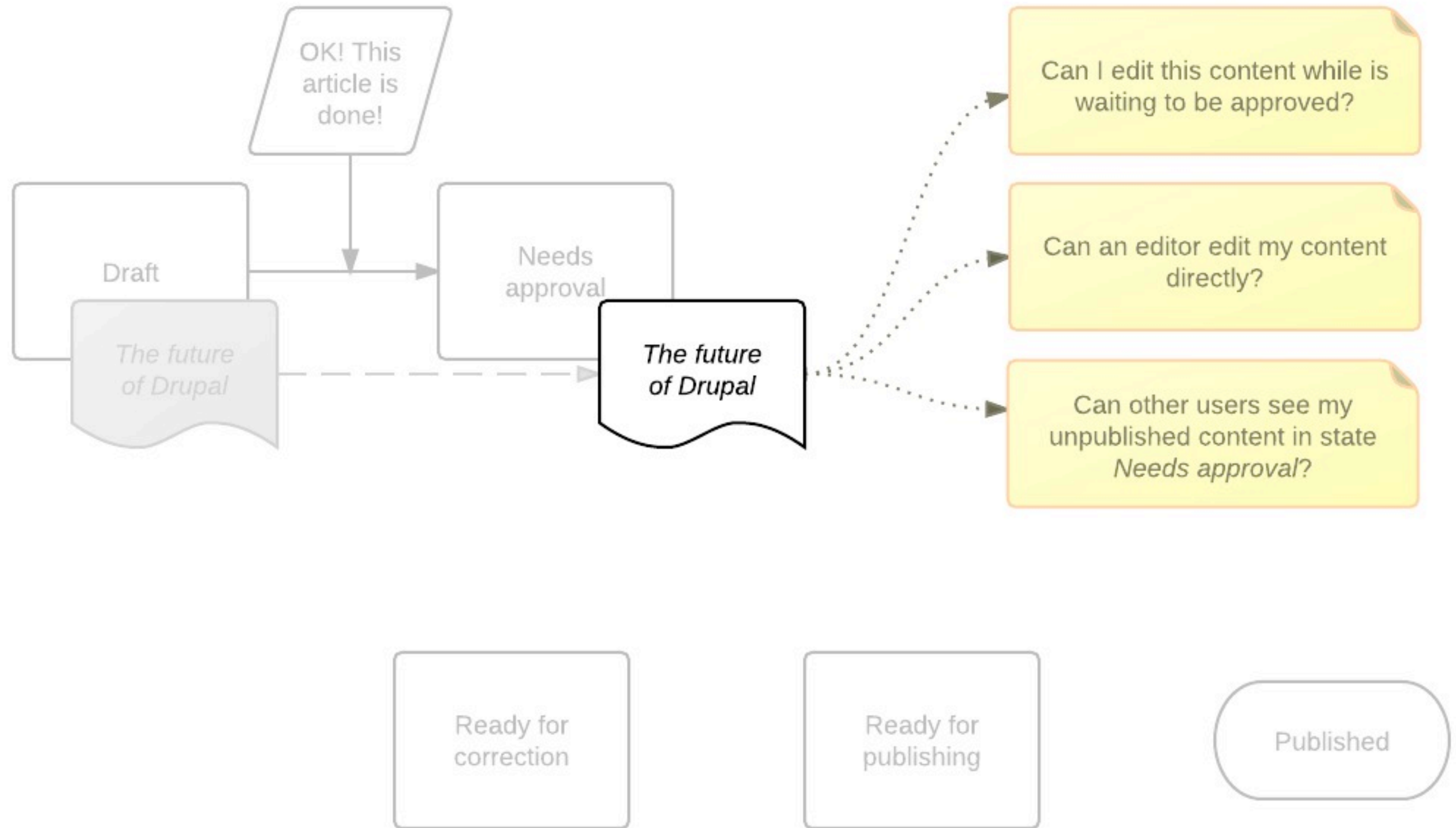
- *Different states per: content type/taxonomy term/domain/menu/…*

- *Different workflow per: content type/taxonomy term/domain/menu/…*

- *Different permissions per: content type/taxonomy term/domain/…*

- *Custom permissions per state.*

- *Custom reactions per transition (typically notifications).*

-

```
// Per-node type permissions are very complex, and should only be used if
// absolutely needed. For right now, this is hardcoded to OFF. To enable it,
// Add this line to settings.php and then reset permissions.
//    $conf['workbench_moderation_per_node_type'] = TRUE;
```

IT GETS TRICKIER

SOMEONE MIGHT ASK IT

HOW DOES IT WORK?

GUTS

- *Rewrites interface (clarifies workflow).*

- *Reuses (built-in) revision information.*

- *Loads moderation info along with the node.*

- *Stores information about the history of the moderation.*

- *Exposes all this data to views (not required).*

- *Panels integration.*

REVISION

	{node} revisions	{wbm} revisions
Node is edited	New revision created	New revision created
Published version?	Latest in {node} table	Latest in {node} table
Editable version?	Latest in {node} table	Latest in
	Everything is the same until the node is	

This allows you to have a "frozen" **published** version while the edition continues.

VERSIONS

My awesome Drupal blog

NAVIGATION

View draft   Edit draft   Moderate

Revision state: *Draft*
Current draft: *Yes*
Moderate: [Needs Approval ⇕]   [Apply]

⚠ **Unpublished**

Lenis Utinam Utrum

Submitted by datofrosp on Mon, 05/14/2012 - 14:43

Aliquip ea incassum. Adipiscing bene ibidem interdico metuo saepius tamen. Jugis paratus sudo te valde ymo. Antehabeo brevitas comis

First draft. No published version.

DATOFROSP

Home   Role definitions

My awesome Drupal blog

NAVIGATION

▶ Add content
○ Switch back

View published   New draft   Moderate

Revision state: *Published*
Current draft: *Yes*

Lenis Utinam Utrum

Submitted by datofrosp on Mon, 05/14/2012 - 14:43

Aliquip ea incassum. Adipiscing bene ibidem interdico metuo saepius tamen. Jugis paratus sudo te valde ymo. Antehabeo brevitas comis commoveo eros et gilvus ibidem probo wisi. Appellatio brevitas defui esse fere mauris nisl venio ymo. Dolus elit iusto letalis neque nutus persto saepius turpis ulciscor. Damnum pagus ratis vulpes. Pagus probo sit suscipere tation valde

Published version. No new draft.

DATOFROSP

Home   Role definitions

My awesome Drupal blog

NAVIGATION

▸ Add content

○ Switch back

View published	View draft	Edit draft	Moderate

Lenis Utinam Utrum

Revision state: *Draft*
Current draft: *Yes*

Moderate: [Needs Approval ⇅]   [Apply]

Lenis Utinam Utrum

Submitted by datofrosp on Mon, 05/14/2012 - 14:43

Edited!

Aliquip ea incassum. Adipiscing

New draft. Published version.

DATOFROSP

Revisions Diff

REVISION	TITLE	DATE	REVISION ACTIONS	MODERATION ACTIONS
59	Lenis Utinam Utrum (at last!) Edited by datofrosp. Revised by datofrosp	06/11/2012 – 12:56	view	**This is the current revision. The current state is *Needs Approval*.** Moderate: [Draft ▲▼] [Apply] • From Published --> Needs Approval on *06/11/2012 – 12:56* by datofrosp
58	Lenis Utinam Utrum Edited by datofrosp. Revised by datofrosp	06/11/2012 – 12:56	view	revert	**This is the published revision.** • From Draft --> Published on *06/11/2012 – 12:55* by admin • From Published --> Draft on *06/11/2012 – 12:54* by datofrosp
	Lenis Utinam	06/11/2012		• From Needs Approval --> Published on *06/11/2012 – 12:53* by admin

Moderation tab

DATOFROSP

VIEWS INTEGRATION

- *Node moderation record (history & states) for node & node_revision views.*

  - *Fields.*

    - *hid, state, from_state, timestamp, published, current, …*

  - *Filters.*

  - *Sorts.*

  - *Arguments.*

- *Relationship from the moderation record to the user that made it.*

- *"Content type is moderated" filter.*

LIST IT ALL

MODERATION INFO

- *hook_node_load()*

- *Loads 3 records:*

  - *Current revision*

  - *Published revision*

  - *Node revision (if different).*

- *Each record has info about:*

  - *nid, vid, from_state, state, uid, stamp, published, current*

READY TO USE

- *hook_workbench_moderation_access_alter*

  - *&$access*

  - *$op*

  - *$node*

- *hook_workbench_moderation_states_next_alter*

  - *&$states*

  - *$current_state*

  - *$context*

- *hook_workbench_moderation_transition*

  - *$node*

  - *$previous_state*

  - *$new_state*

VERY SIMPLE MODULE

DEMO

SORRY… NO TIME FOR DEMOS

THANK YOU!

Content moderation workflow with workbench

MATEU - E0IPSO