

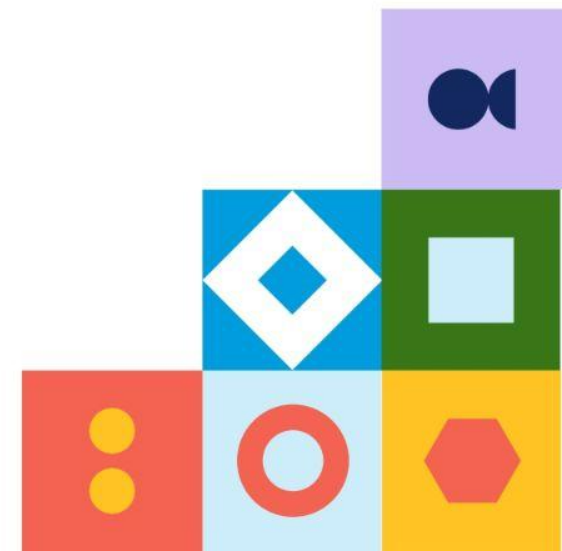
# Say Goodbye to your Staging site

True Enterprise Content Management in Drupal with the **Workspaces Module**

**Ray Stuart, Peta Hoyes, Fabian Franz (Slides)**



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# Meet the Presenters



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# True Enterprise Content Management?

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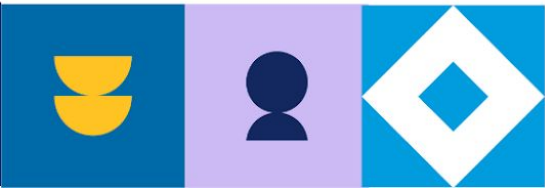


# Content Governance

Content governance in a large enterprise refers to the policies, processes, roles, and standards that guide content creation, management, and distribution.

It ensures alignment with business goals, regulatory compliance, brand consistency, and high-quality, relevant content.

**TL;DR -  
HELPS AVOID**



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**For a CMS to provide true enterprise content management, it needs to provide the tools for both creating content and managing the end-to-end governance of that content.**

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Now with Intel Core 2 Duo.

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Faster. Bigger. Brighter.

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The fastest Mac ever.

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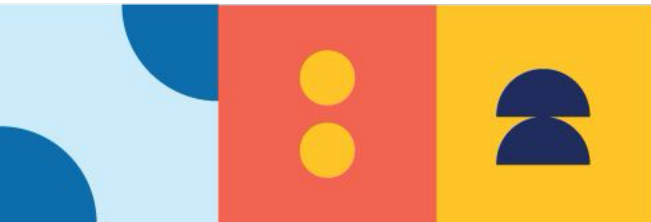
**Resource Locator.** The easiest way to find sales, consulting, and service for Apple products.

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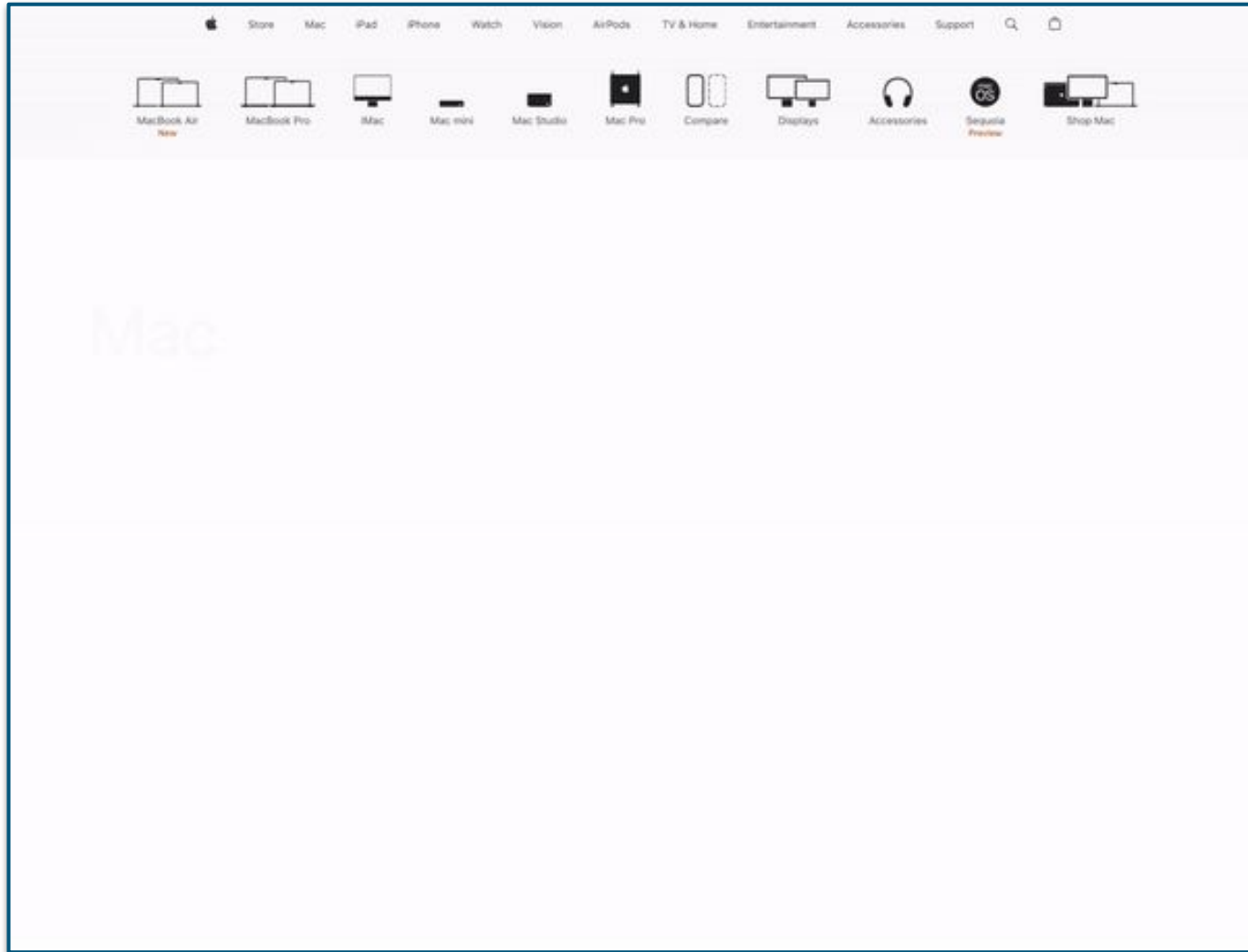


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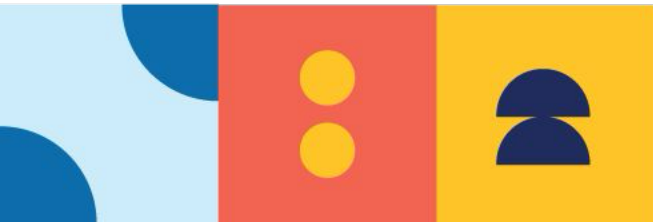


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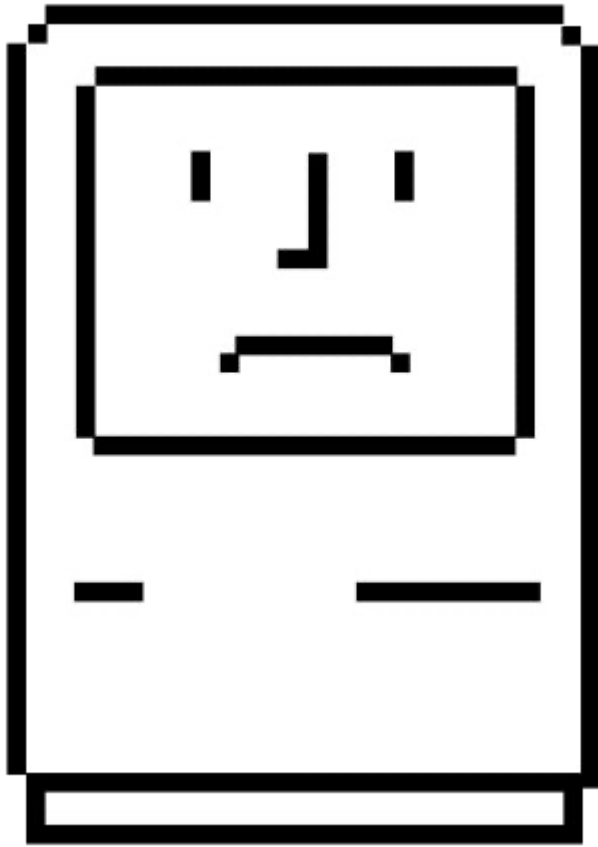
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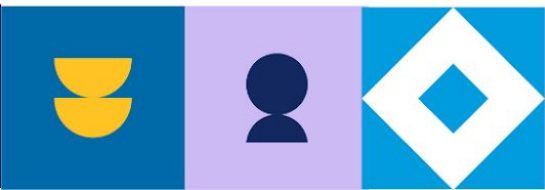
**For a CMS to provide true enterprise content management, it needs to provide the tools for both **creating** content *and* managing the end-to-end governance of that content.**

**For a CMS to provide true enterprise content management, it needs to provide the tools for both creating content *and* managing the **end-to-end governance** of that content.**

# The Content Staging Site



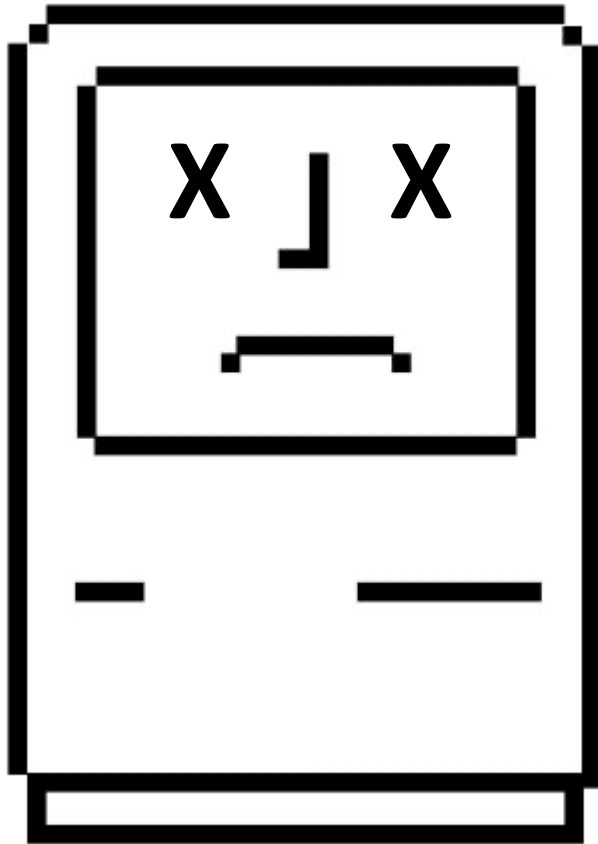
- Requires a duplicate Drupal codebase, database, filesystem - and possibly whole server - that has to be constantly maintained
- Complex CI/CD pipelines and build workflows need to be developed, learned, maintained
- Staging infrastructure often doesn't have resources equal to Production



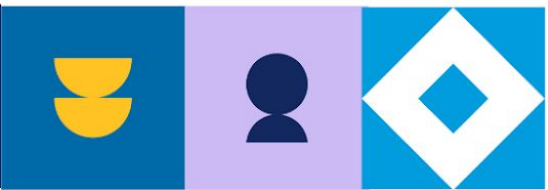
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# The Content Staging Site



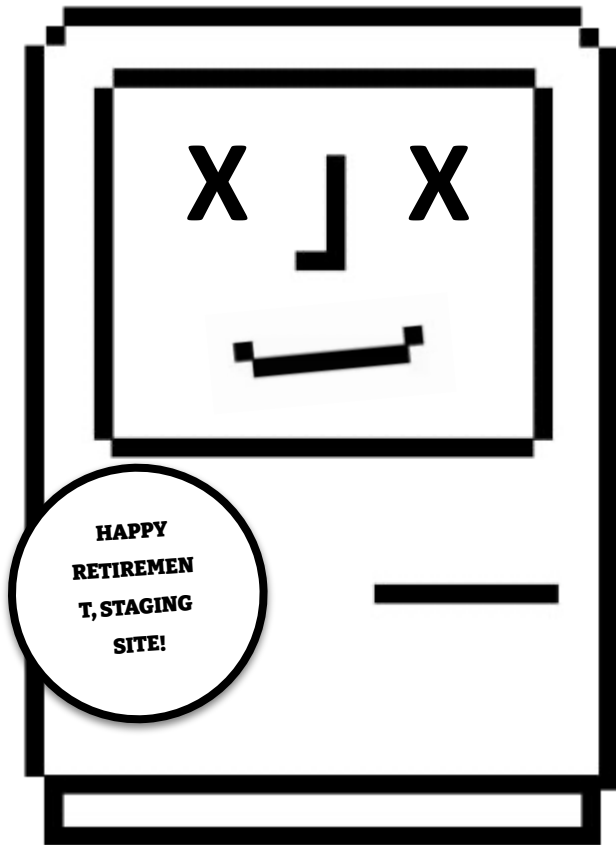
- Content managers need to work in two different places - or more!
- More staging = more problems
- You need some way to get the content from one site to another



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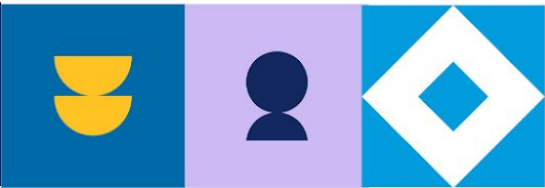


# The Content Staging Site



*Content staging servers are a costly, complex, inconvenient and risky way to work around Drupal's historical limitations ...*

**... and Workspaces in core makes them unnecessary!**



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# Getting Started

**All you need to know to be productive  
with Workspaces**

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# Using Workspaces is simple

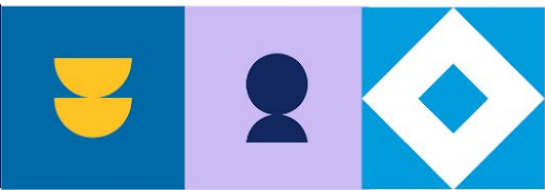
Just enable the module!

```
$ drush -y en workspaces workspaces_ui
```

But you really want Workspaces Extra too

```
$ composer require drupal/wse
```

```
$ drush -y en wse
```

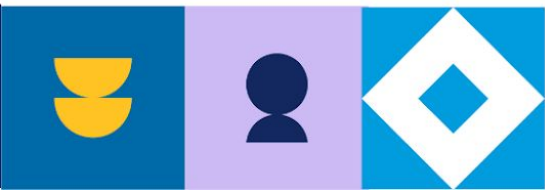


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# Workspaces is a Staging Site

- See all changes as if they were live already - including listings
- Unlimited "staging sites"
- Isolation, granular permissions, workflows, notifications, ...
- ... all within Drupal.



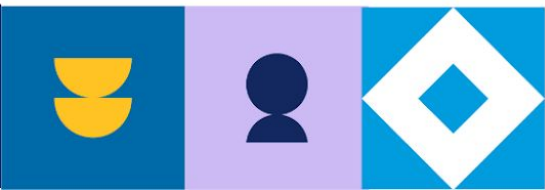
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# Workspaces is GIT for Content

Who here knows GIT?

- Create / Modify all content in a workspace (git branch)
- Approve changes (pull request)
- Publish Live (merge pull request)





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# Workspaces vs. GIT: A Conceptual Comparison



Feature / Concept	 GIT (Code)	 Workspaces (Content)
What is it for?	Source Code, Files, Assets	Drupal Content (Nodes, Media, Menu, etc.)
Branching	Create a new branch (e.g., feature/JIRA-123)	Create a new workspace (e.g., "Spring Campaign")
Making Changes	Commit code changes to the branch	Create or edit content items within the workspace
Reviewing Changes	Pull Request (PR) / Merge Request (MR) review	Workspace overview, Preview on site, Deploy to Stage
Publishing / Merging	Merge PR into the main/master branch	Publish the workspace to the 'Live' workspace
Target Audience	Developers, DevOps Engineers	Content Editors, Marketers, Site Builders



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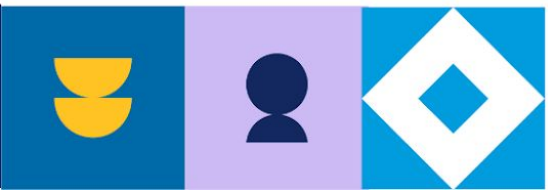
# Audience of Workspaces

Who is Workspaces for?

- **Content Teams, Large Organizations, Complex layouts, Campaigns => Full Site Content Preview**

Who is Workspaces NOT for:

**No one** (Content Moderation will use it soon - one issue left)

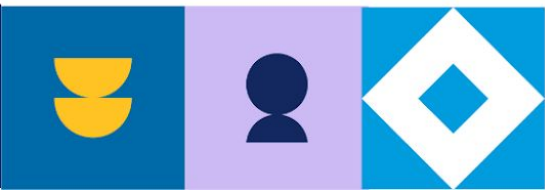


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# Workspaces - Safe by Default

- No data is written to the live site by default
- Any form submission within a workspace is prohibited
- Any non-workspace safe entity cannot be written - unless ignored



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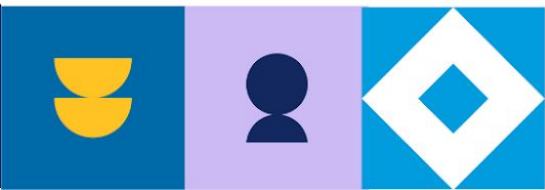


# Workspaces - Fast by Default

Live site performance is the same

The 90% case is not affected

- No different entity loads and no different cache
- No database query alters
- Just a quick check if we are in an active Workspace



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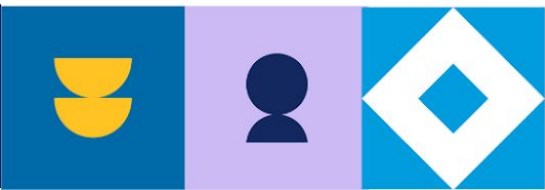
# Workspaces - Conflict-Free

**Workspaces are conflict-free:**

Content is locked per Workspace

Solution: Human coordination

- **Work together** on one workspace as a team
- **Move content** from one to another workspace



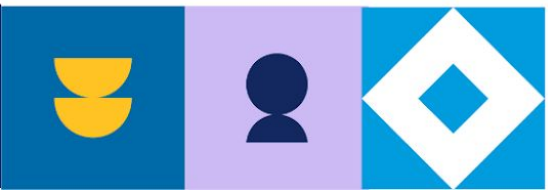
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# Workspaces - Conflict-Free

Advantages of no conflicts:

- Safe scheduled publishing
- Rollback always possible
- Correctness



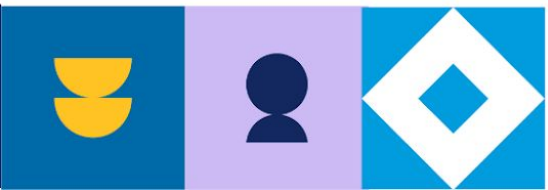
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# Workspaces - Trash integration

Trash ensures content can be deleted in a workspace:

- Content is only marked as deleted with timestamp in the database
- Automatically filtered out of listings
- Recently trashed items (per workspace or live)



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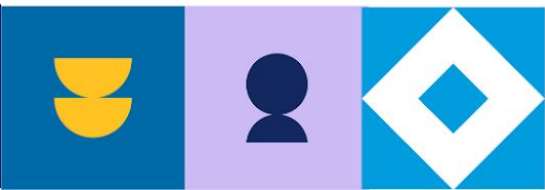


# Workspaces - Workflows

Core workflows module just works:

- Move whole workspace through the workflow
- Draft, Review, Approved => **Published**

(Use **entity\_workflow** if more granularity is needed)



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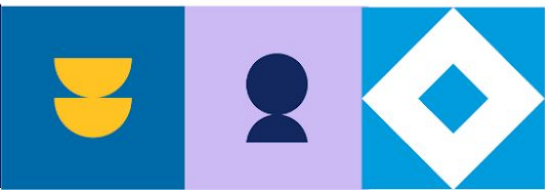
# Workspaces - Content + Config



Workspaces soon will support content & **config** entities:

- Change a view? (wse\_config) -> Preview in workspace
- Change the theme (+wse\_theme) -> Preview in workspace
- Change the styling (+component\_variants) -> Preview!

**Site title, field modifications, etc. all can be previewed!**



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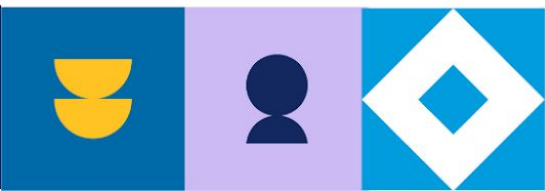


# Workspaces - Perfect AI Sandbox



## Workspaces is the perfect AI Sandbox!

- AI can change all content + config in a workspace safely
- Human can verify it (Diffs!)
- Human publishes result and takes responsibility



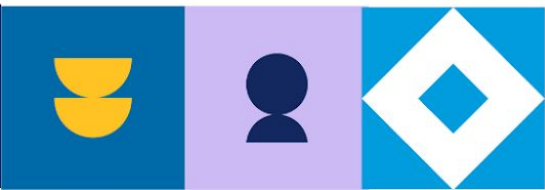
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# Workspaces - Stable in Core

Workspaces is stable in core since 10.3.0 (June, 2024):

- All your sites can profit from it now
- Testing would help us find remaining bugs
- It is a **must have** for safe AI integration



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# Demo Time!

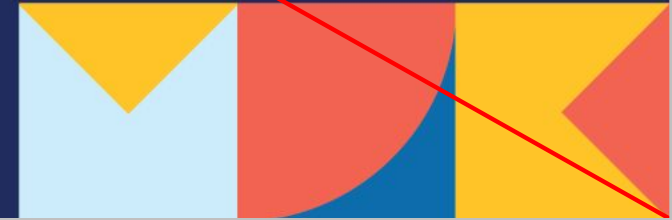
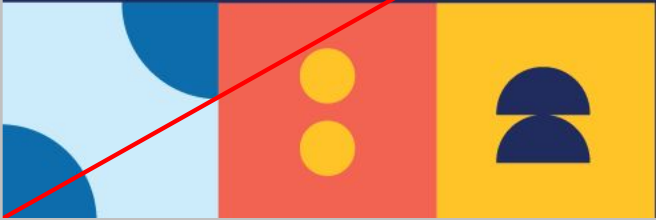
**What you all are REALLY here for!**

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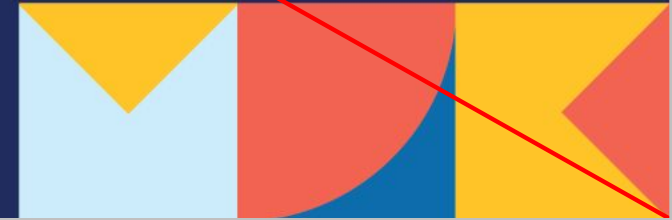
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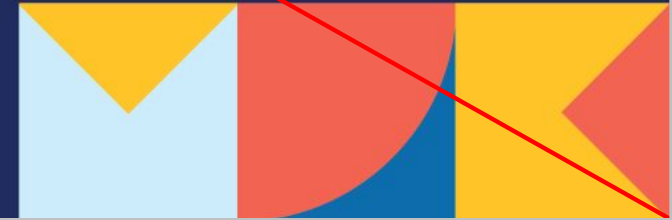
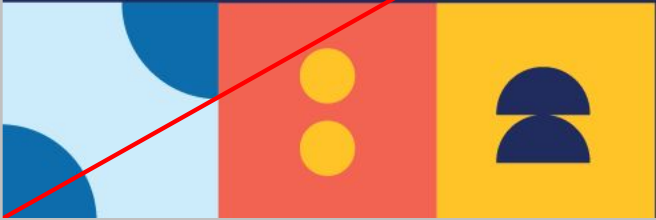
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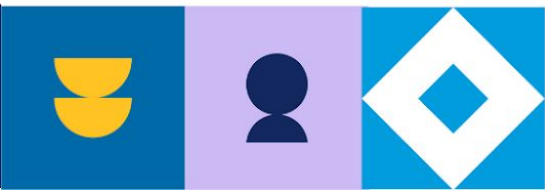
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# Workspaces - In Summary

- is stable in core
- is fast and simple to use
- is the perfect AI Sandbox and a **must have** for safe AI integration
- provides seamless support for content creators
- has enterprise support for content workflows and governance



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# We need YOU!

**Workspaces will only grow when you start using it!**

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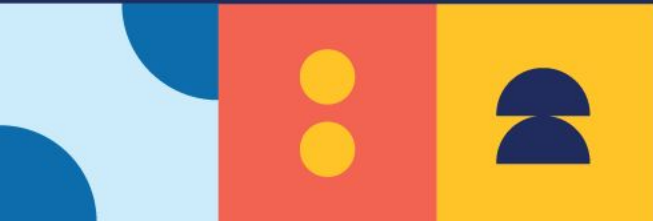


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# Questions?

**We'll do our best to answer.**

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# Thank you!

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