MESHERY

Purpose

This document outlines the current behavior and necessary changes for the creation and management of designs and views within workspaces.

It identifies existing issues with design/view assignment to workspaces, especially in multi-organization scenarios.

Current Behavior when Designs and Views are Created

❌=needs to change ✅=fine as-is

1. ❌By default, newly created designs and views are assigned to the workspace that was created at account creation time.
    a. ❌A newly created organization manually does not have a workspace or default team, because of that, no new designs and views can be created.
    b. This behaviour remains the same when a design is created via the CLI.
2. ❌The getPattern and getViews handlers are currently not returning organization and workspace information.
3. ✅If the default workspace is deleted, the default workspace will shift to the second last created workspace.
4. ✅If no workspace exists, users are not allowed to create any designs or views.
5. ❌The same Designs / Views are able to be assigned to multiple workspaces.
6. ❌If multiple organizations exist, newly created designs/views will be assigned to the most recently created organization and placed under its first workspace (if available). Org and workspace switcher is not getting honored.
7. ❌No way to select a target workspace for direct import and github wizard flow.
8. ❌No way to delete a design/view from workspace tables / lists in Kanvas or Cloud

Action Items

Support for Workspaces as a Location
1. [Amit] Target Location will be added to the Design Import model and Github wizard. [Issue #14769](#)
2. [Amit] Kill the Transfer modal.
3. [Amit] The Workspace Browser to support a Move action (select file, then select Move, then choose the target location). ✅

Workspace Browser Changes
1. [Amit] Add support for other bulk actions like delete, copy, move, download [Issue #14777](#) [PR14801](#)✅
2. Add support for Transfer of Ownership of a file to another user
3. [Amit] Add individual Design Delete Action in the Workspace Browser. [Issue #14777](#) [PR14801](#)✅
4. [Amit] Replace "Manage designs" button with import button. [PR14801](#)✅
5. [Amit] Change the Move icon. [PR14801](#)✅

6. [Amit] Show my designs/ view based on Org in workspace modal✅
7. [Amit] Show count of design/ view/ environment/ team in workspace table✅
8. [Amit] In the modal, clicking on the workspace should open the workspace info in the modal ✅
9. [Amit] When Kanvas is not available redirect to designs page✅

Workspace Logical Construct Enforcement
1. [Aabid] Support for selection of default Org and Workspace as a user preference. ✅
2. [Aabid] Add guardrails for preventing users from deleting all workspaces within an organization. ✅
   You can still delete your original "My Workspace". You can also rename any workspace.
   However, every Organization must have at least one at least one workspace at all times.
   Question: Does that mean that I can delete all "MY" workspaces in "MY ORG", but have the access from other orgs to THEIR workspaces count for this requirement?
   Answer: No, the rule is that every org must have at least one workspace.
3. [Aabid] Upon creation, every organization shall get a workspace (Right now only the first created upon new user account creation, not subsequent, organization creation) ✅
4. [Aabid] Enforce each design/view is always assigned to *one and only one* Workspace (at any given moment time). Use the following mapping tables. ✅

	slackerr	900id	900ioh

1.Workspaces are way of sharing designs
Workspace = Google Drive
Design = Google Doc
2. Designs live/die in context of a Workspace (don't have a life outside of a Workspace)

1.Workspaces are way of sharing views
2. Workspace = Google Drive
3. Views relates to Operator filters

Workspaces_Designs_Mappings

ID [PK] (uuid)	workspace_id (uuid)	design_id (uuid)
900io	900ia	900ioy
23ersef	900ib	900ioh
asaa41	900ic	900iog
slackerr	900id	900ioh

Workspaces_Views_Mappings

ID [PK] (uuid)	workspace_id (uuid)	view_id (uuid)
900io	900ia	900ioy
23ersef	900ib	900ioh
asaa41	900ic	900iog
slackerr	900id	900ioh

5. [Zihan] Document these constraints and behaviors.
6. [Aabid] Show organization and workspace that a design belongs to: Get handlers to return org and workspace for designs/views
7. [Aabid] Return all constituent files within a Workspace, so that both designs and views can be displayed in the same Workspace browser at the same time.
8. [Lee] Cleanup dirty data - designs/views orphaned from Workspace.
9. [Lee] Cleanup orphaned Orgs, Teams, Workspaces from Anonymous accounts that have been deleted. The existing SQL functions fail to do so completely.