S-RAMP Utility

Interaction Design

Date: 18 December 2012
Version: 1.5

About this document

This document contains ideas for the S-RAMP feature of the Governance project.

These exploratory wireframes are intended only to support the conversation about user stories agreed upon by Eng and PM. These wireframes do not indicate any specifc implementation intent.

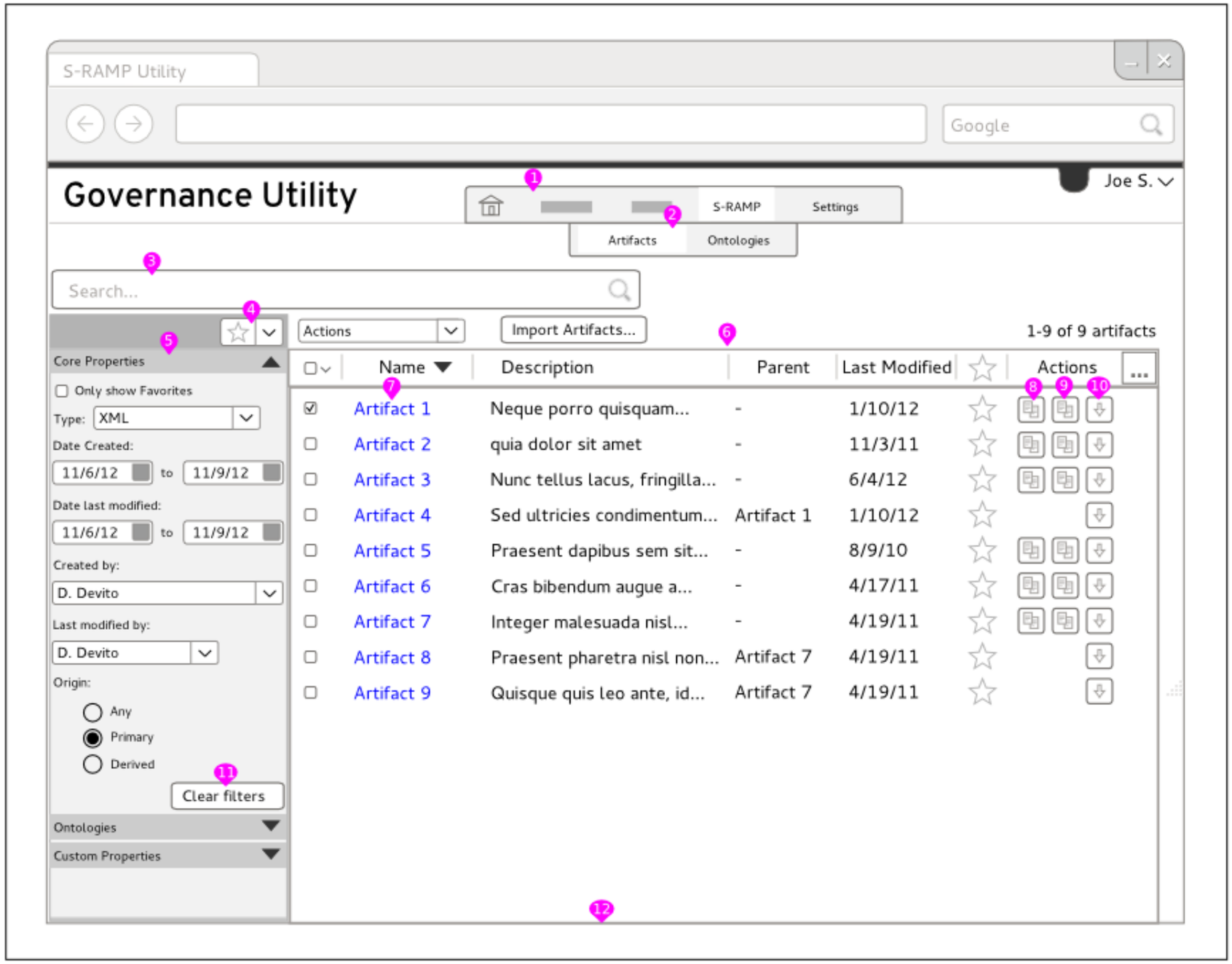
Project vision [DRAFT]

A user interface that will allow users to collect, reference and analyze their SOA artifacts for reuse in development. For this stage, we have the following goals:
- Provide an effective Front-end to the S-RAMP specification
- Create a UI that can be integrated into the larger Governance UI

Additional information:
- User Scenarios: https://community.jboss.org/wiki/S-RAMPUserScenarios

Document Change History

Date	Version Number	Author	Change Notes	Document Status
11-07-2012	0.3	Joe Sniezek	Version 3 of wireframes - first version using this template.	Revisions Needed
11-08-2012	0.4	Joe Sniezek	Changed "star" mechanism, removed needless buttons and dialogs, changed how filters are added.	Revisions Needed
11-12-2012	1.0	Joe Sniezek	Added actions for selected items.	Revisions Needed
11-21-2012	1.1	Joe Sniezek	Mainly added more workflow details on the ontology page, filters, and artifact page.	Revisions Needed
11-27-2012	1.2	Joe Sniezek	Touch-ups and better documentation	Revisions Needed
12-06-2012	1.3	Joe Sniezek	Improved: import, download, delete, artifact pages, property and ontology filter bulk actions, misc.	Revisions Needed
12-07-2012	1.4	Joe Sniezek	Changed property filter settings, added user activity feed page, misc.	Revisions Needed
12-18-2012	1.5	Joe Sniezek	Changed property filter settings again, added spec for editing an artifact's ontologies, misc. minor changes and commentary	Revisions Needed

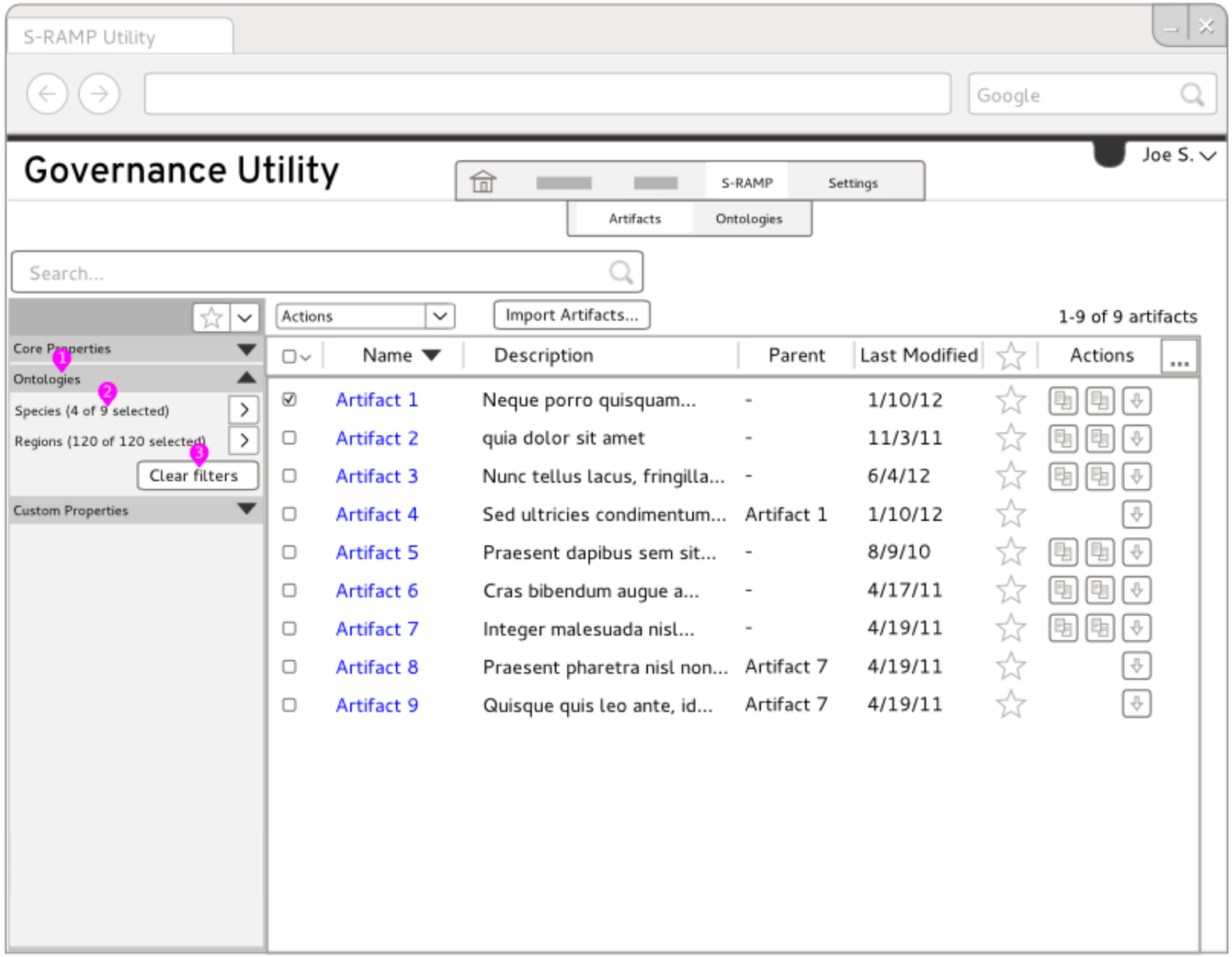


Repo Browser (Default View)

This is the main page of the S-RAMP utility. Users can find artifacts and take actions on them as a group or individually.

Notes

1. S-RAMP will be part of the overall governance UI - the top-level navigation is out of scope for this S-RAMP design
2. Artifact repository is the default view for S-RAMP
3. Search works within the constraints of the current filter parameters.
4. Save filter settings with the star and view/load saved filters with the dropdown.
5. Filter section: use these to narrow down the number of items in view. Works in tandem with the search field.
6. Default view is All Artifacts, sorted by Last Modified
7. Click artifact's name to view details.
8. Users can copy artifact links to their clipboard, for use in projects.
9. Copy global URL of artifact to clipboard.
10. Download artifact. Note: for derived artifacts, this means downloading the metadata only - not the content.
11. Deactivates filters and resets them to default states.
12. Table expands vertically as needed.



Ontology Filters

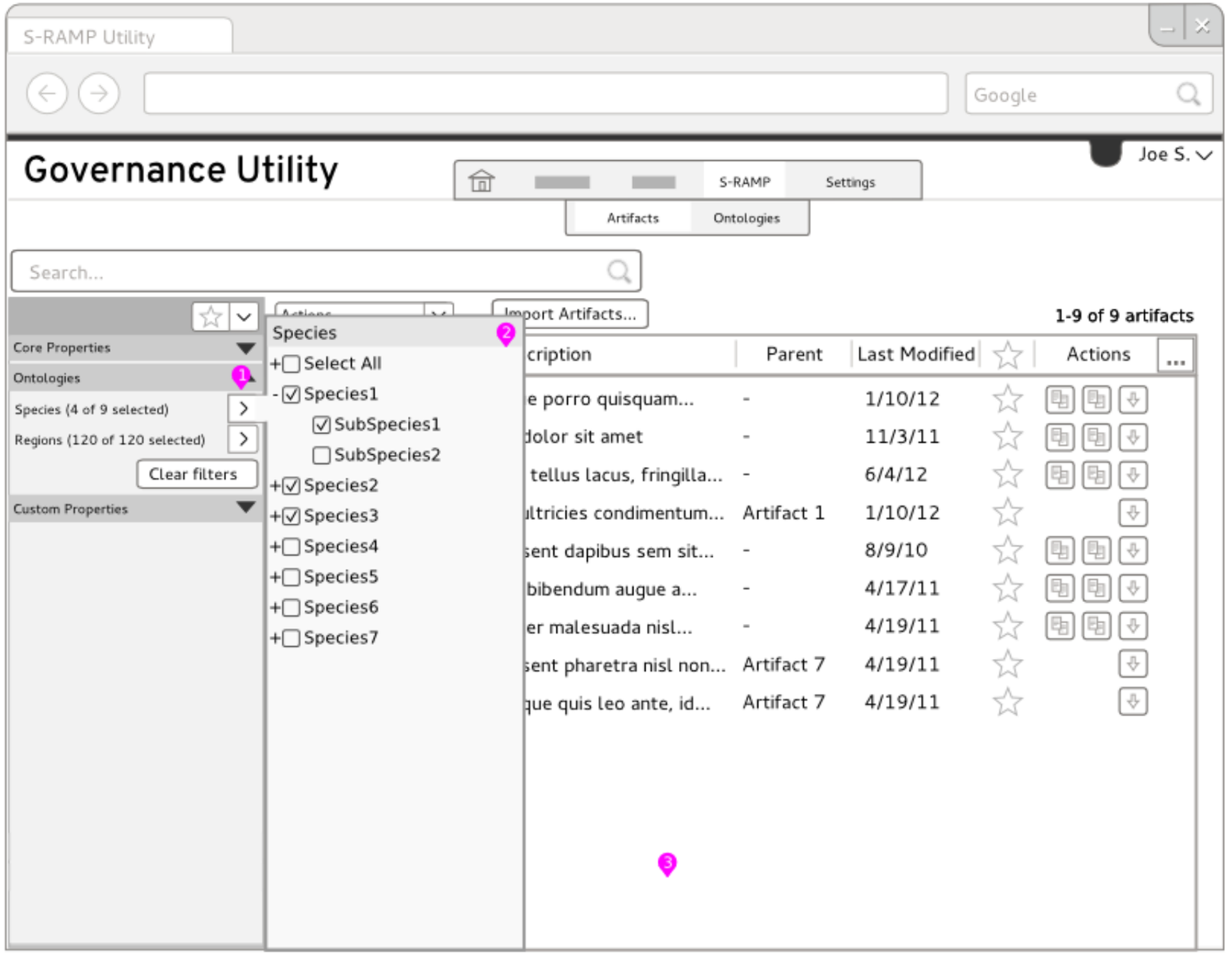
This shows the Ontology filters, which can be shown/hidden in the accordion pane through use of the traingle buttons.

Notes

1. This section shows a list of all ontologies. By default, all nodes in all ontologies are selected.

2. The number of items being filted is shown in parentheses. In this example, "Species" is currently being used to filter data.

3. This button clears filtering in all ontologies. A cleared filter would simply show "X of X selected", where X is the total number of nodes in the Ontology (like the "Regions" Ontology is currently showing). By default, Ontology filters are cleared.

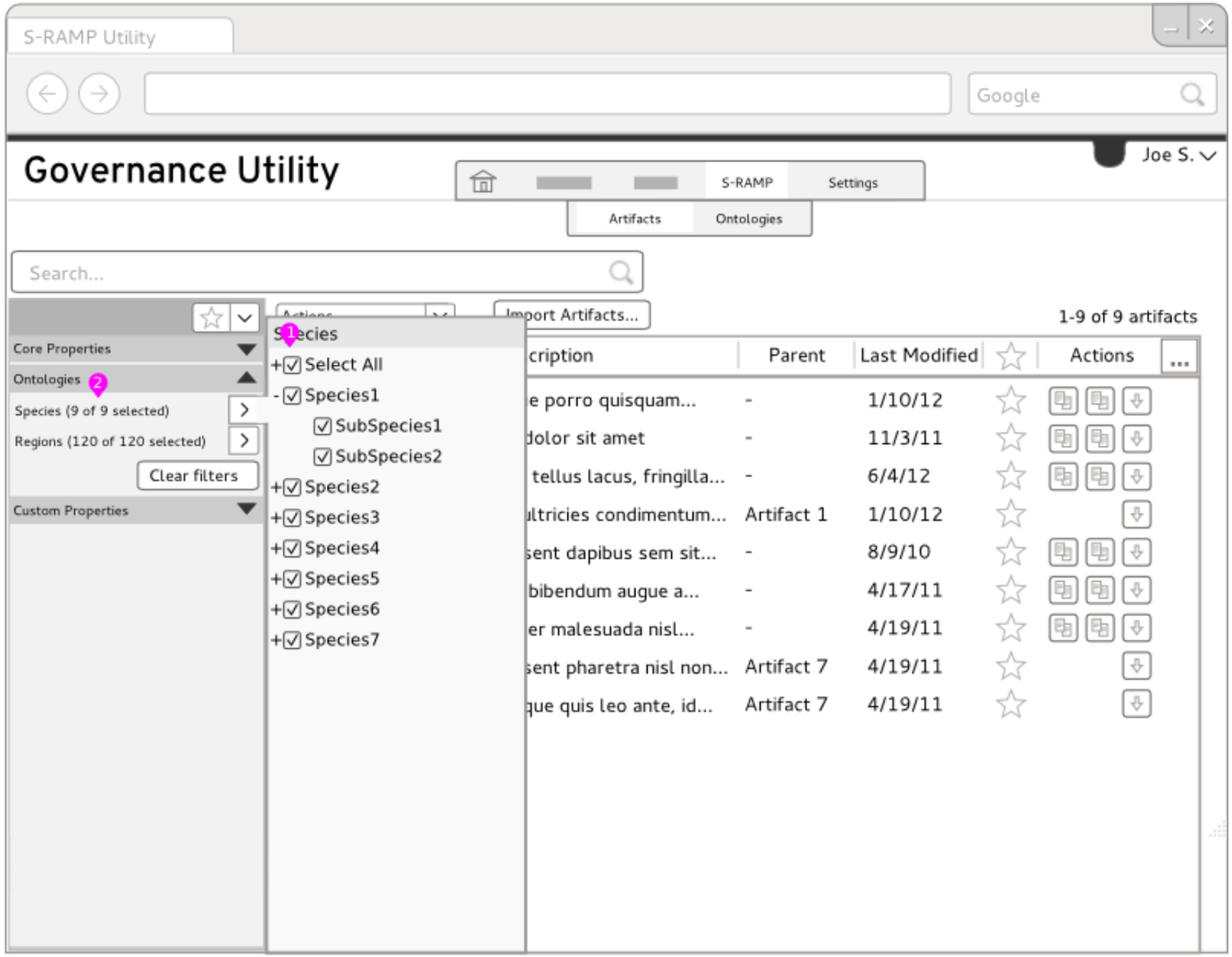


Ontology Node Selector

This frame shows how a user would change an ontology filter.

Notes

1. Press arrow to pop out the Ontology node selector.
2. This control will have vertical and/or horizontal scrollbars if the content does not fit. The visible size of the control is fixed.
3. Click anywhere outside of the Ontology node selector to c lose it.

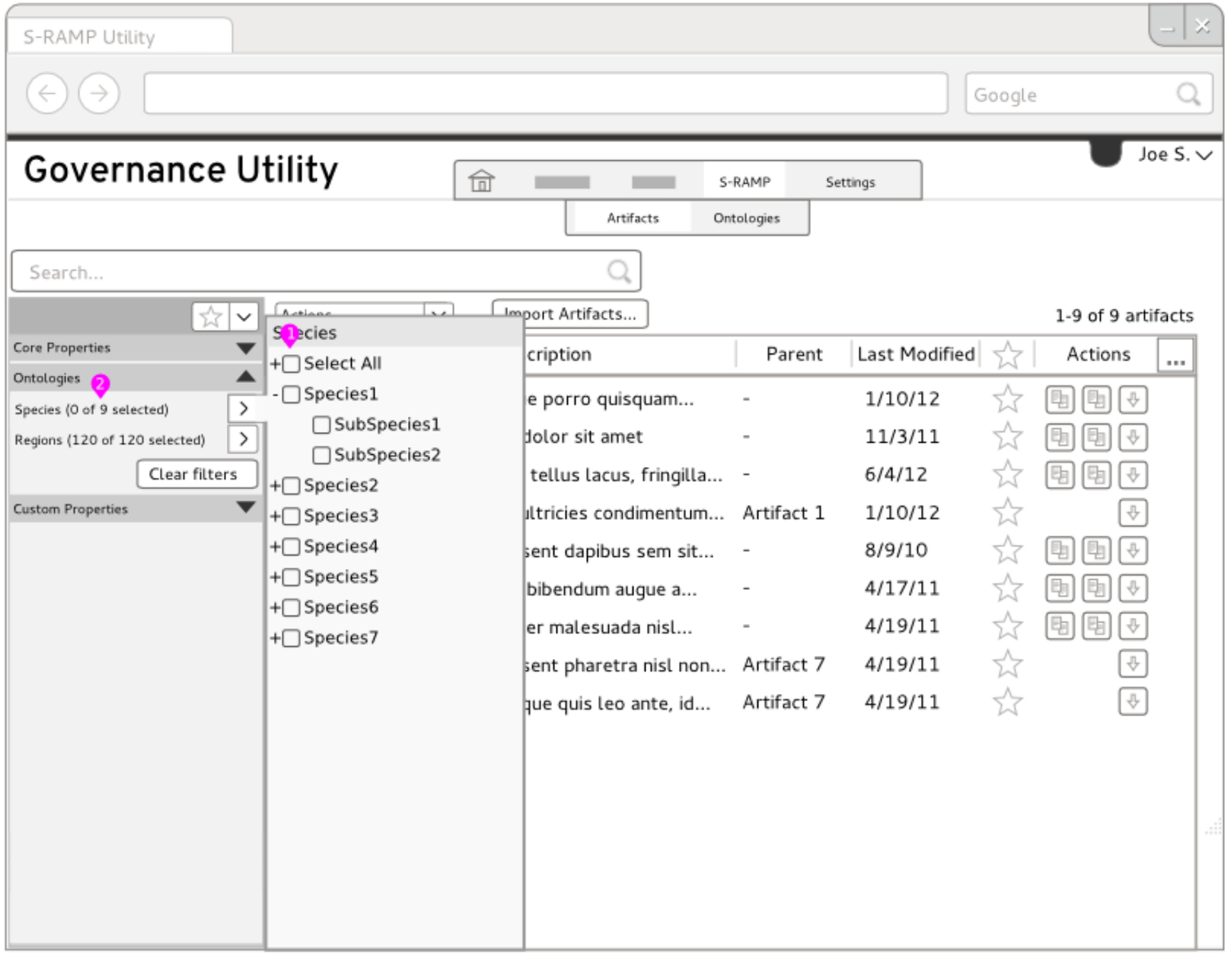


Ontology Node Selector

This frame shows that a new filter has been added. By default, it is blank and unchecked.

Notes

1. Cick "Select All" to enable all nodes
2. New number is reflected in main filter item

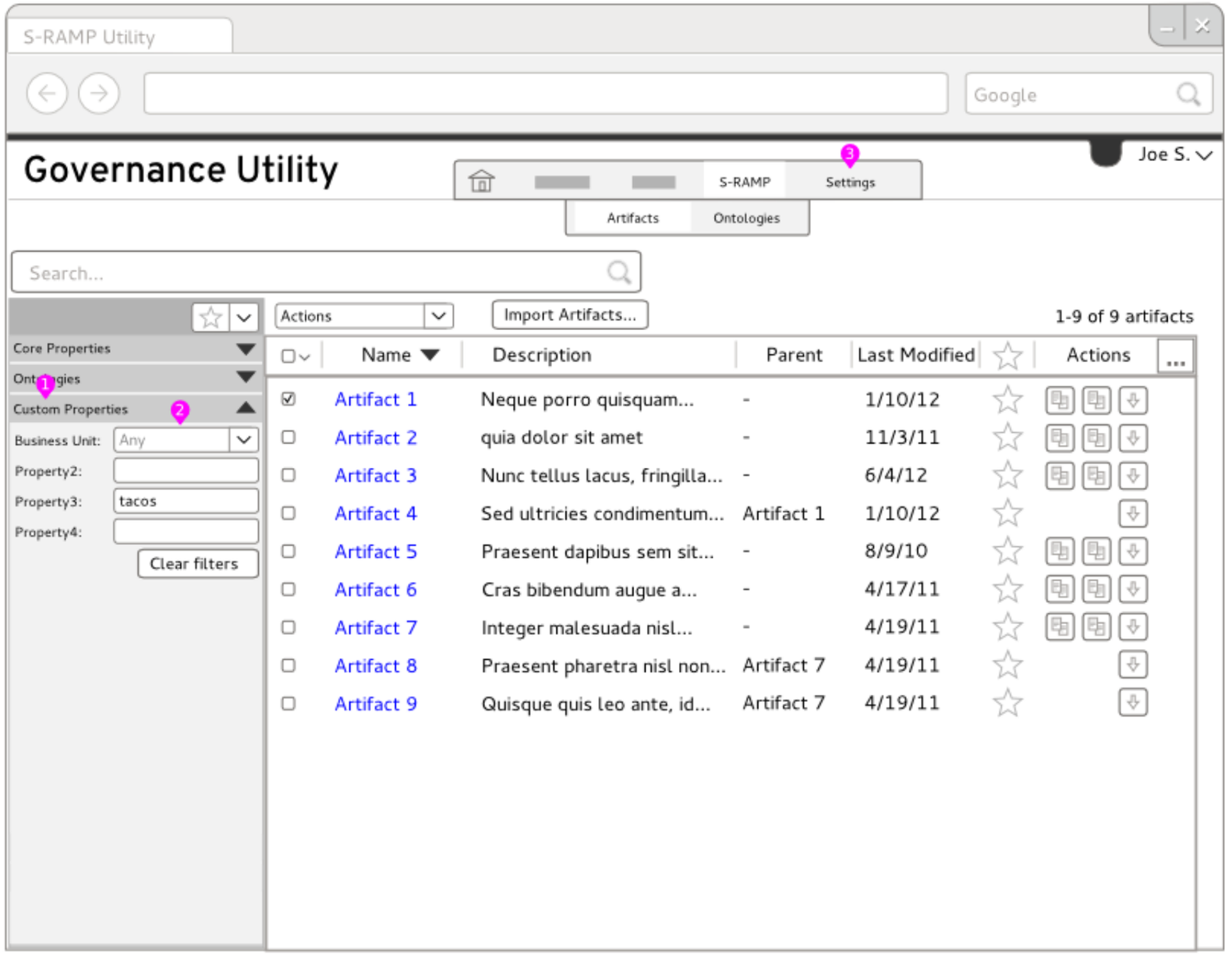


Ontology Node Selector

This frame shows that a new filter has been added. By default, it is blank and unchecked.

Notes

1. Click "Select All" again to disable all nodes. This means that any Artifact which is part of this ontolgy will be filtered out
2. Now, 0 of 9 are selected

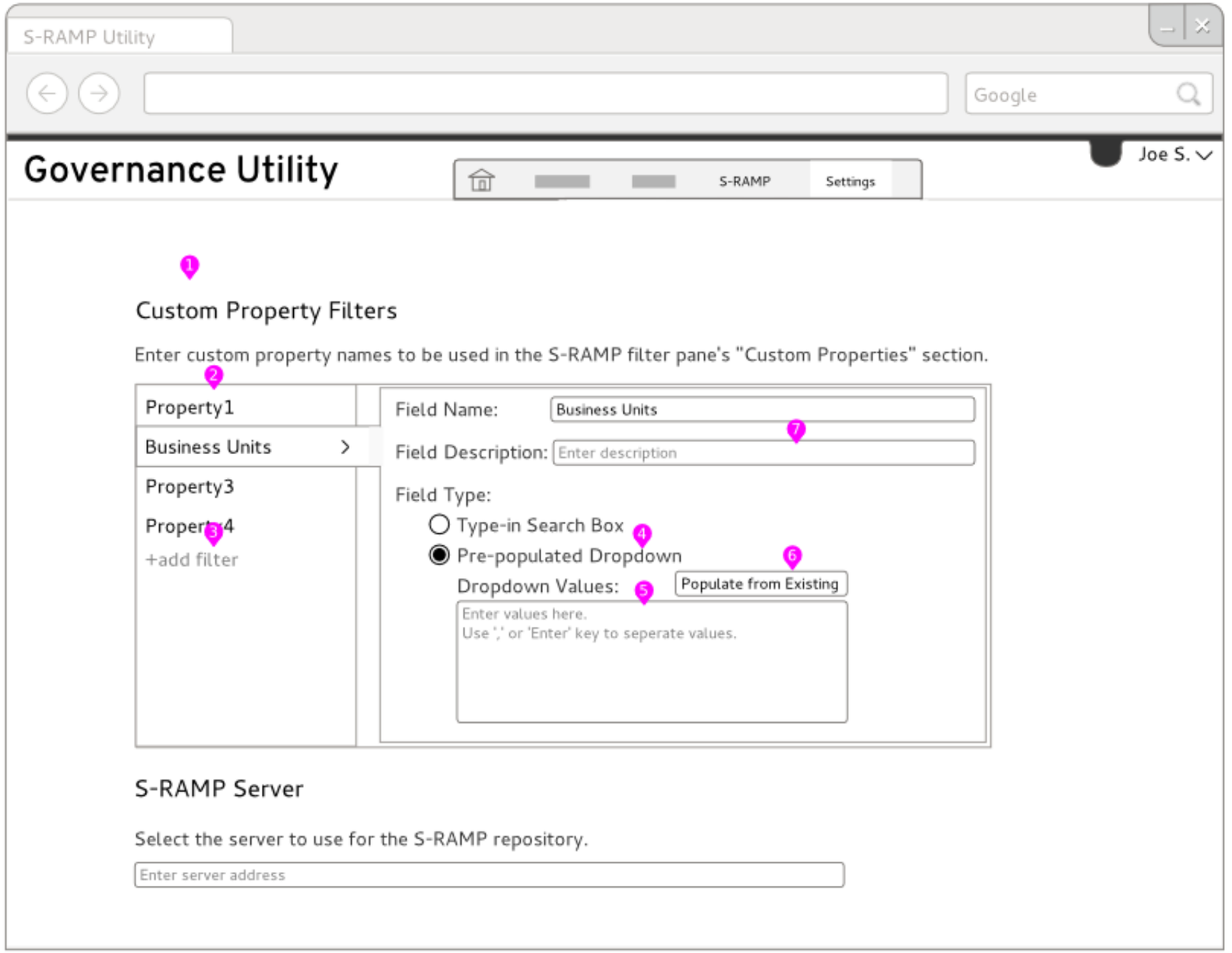


Custom Property Filters

This frame shows the currently available custom property filters.

Notes

1. Available filters
2. Users may select a value or type one in. NOTE: these dropdowns may actually be simple text fields, at least in the first release.
3. Creating these filters is done in the settings tab.

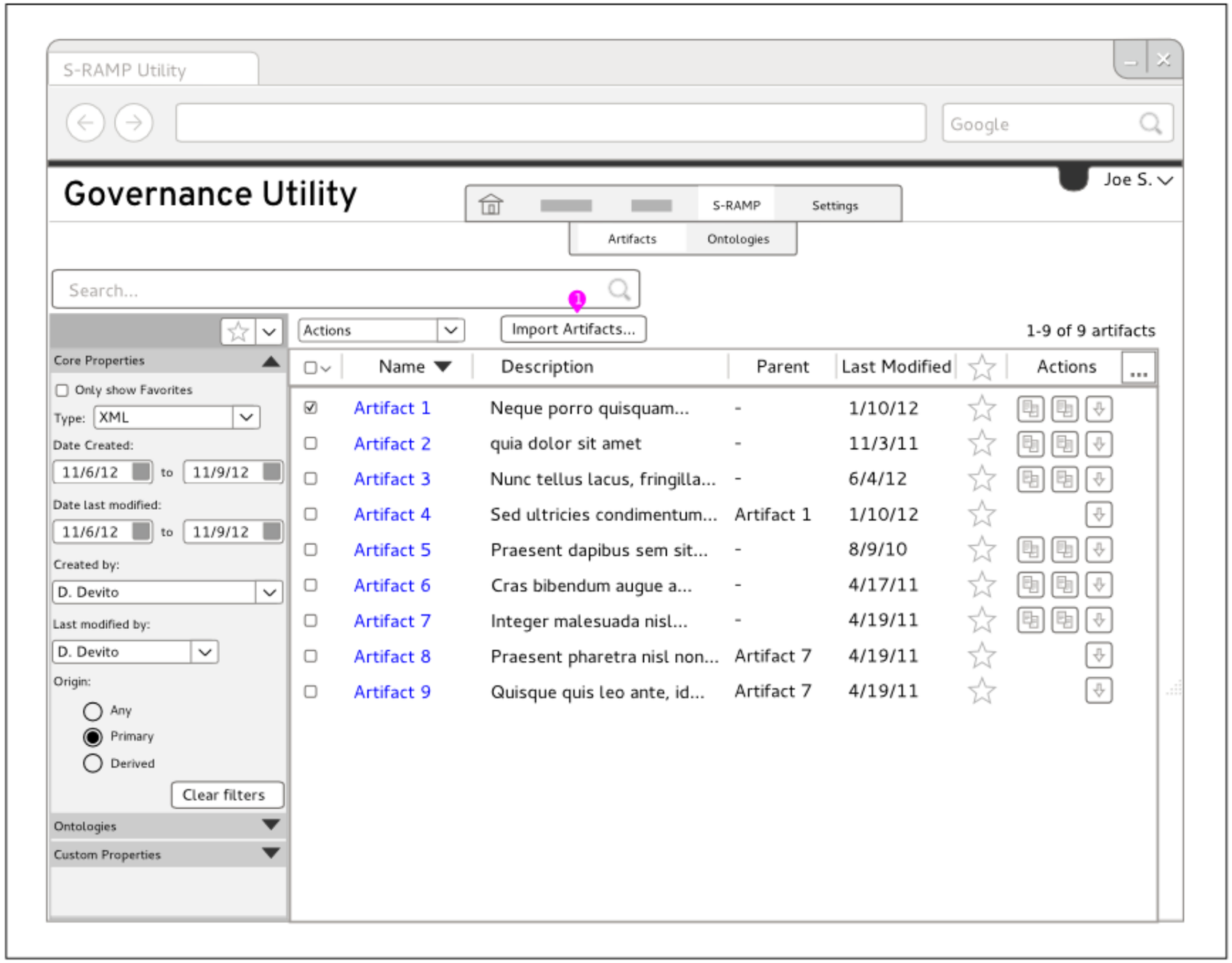


Custom Property Filter Setup

This frame shows how a user would change the custom proeperty filters inside the "Settings" page.

Notes

1. Governance/S-RAMP system settings
2. This is the list of currently specified custom property filters
3. Add a property filter using this button.
4. Allow user to pecify a list of pre-set values to be used in the given property filter.
5. If "pre-populated" is selected, the user must enter a list of values to populate a dropdown for this property's filter.
6. This button retrieves all values related to the given property in the repository and auto-fills the list below.
7. Specifies whether to use a tool-tip for this filter, and the given text of that tool-tip.

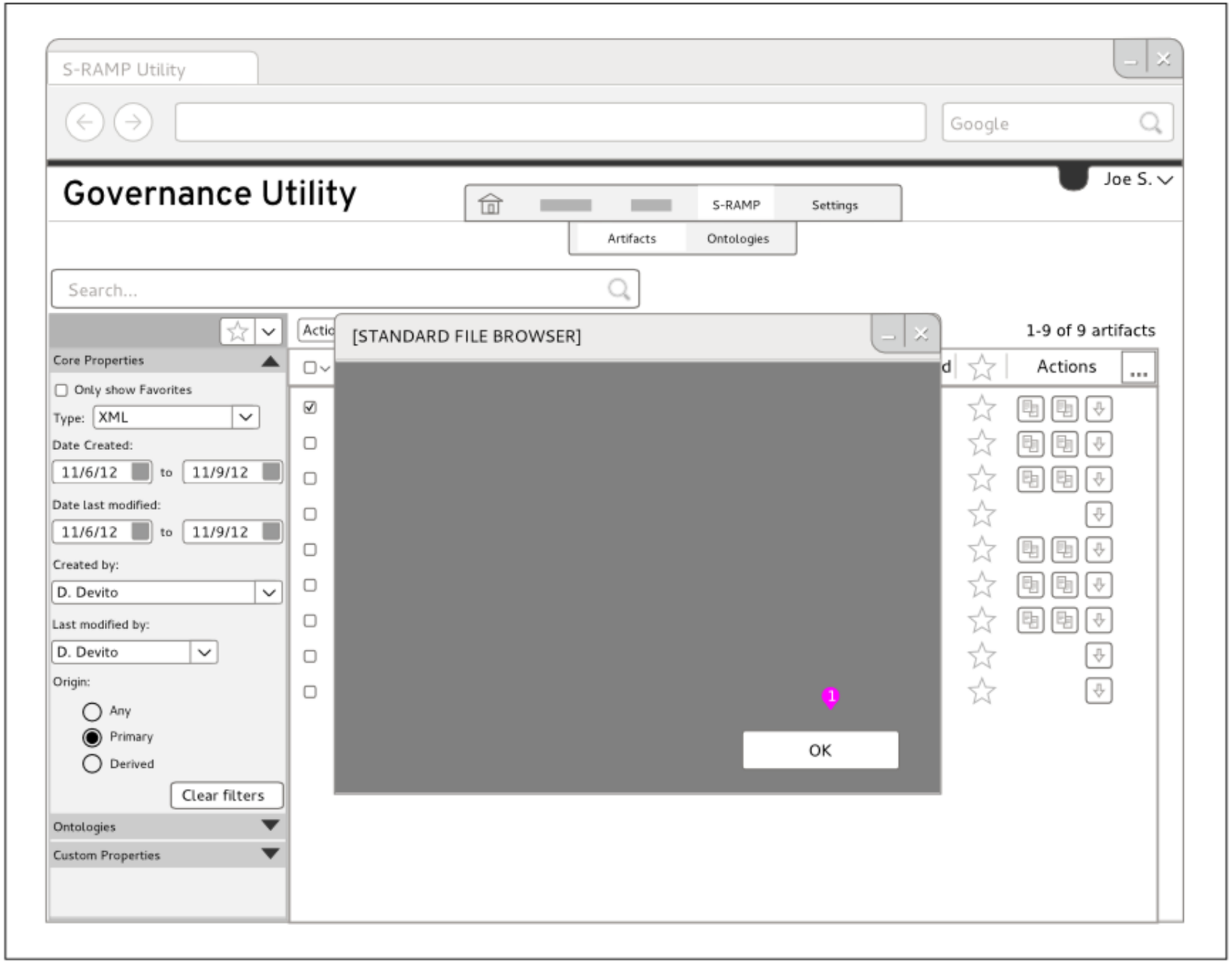


Import Artifacts: Open Dialog

Artifacts may be uploaded from this UI, or as part of a build process. The following framse depict the manual upload process.

Notes

1 Clicking import artifacts will open a standard file browser window. Users will be able to select multiple files for upload.

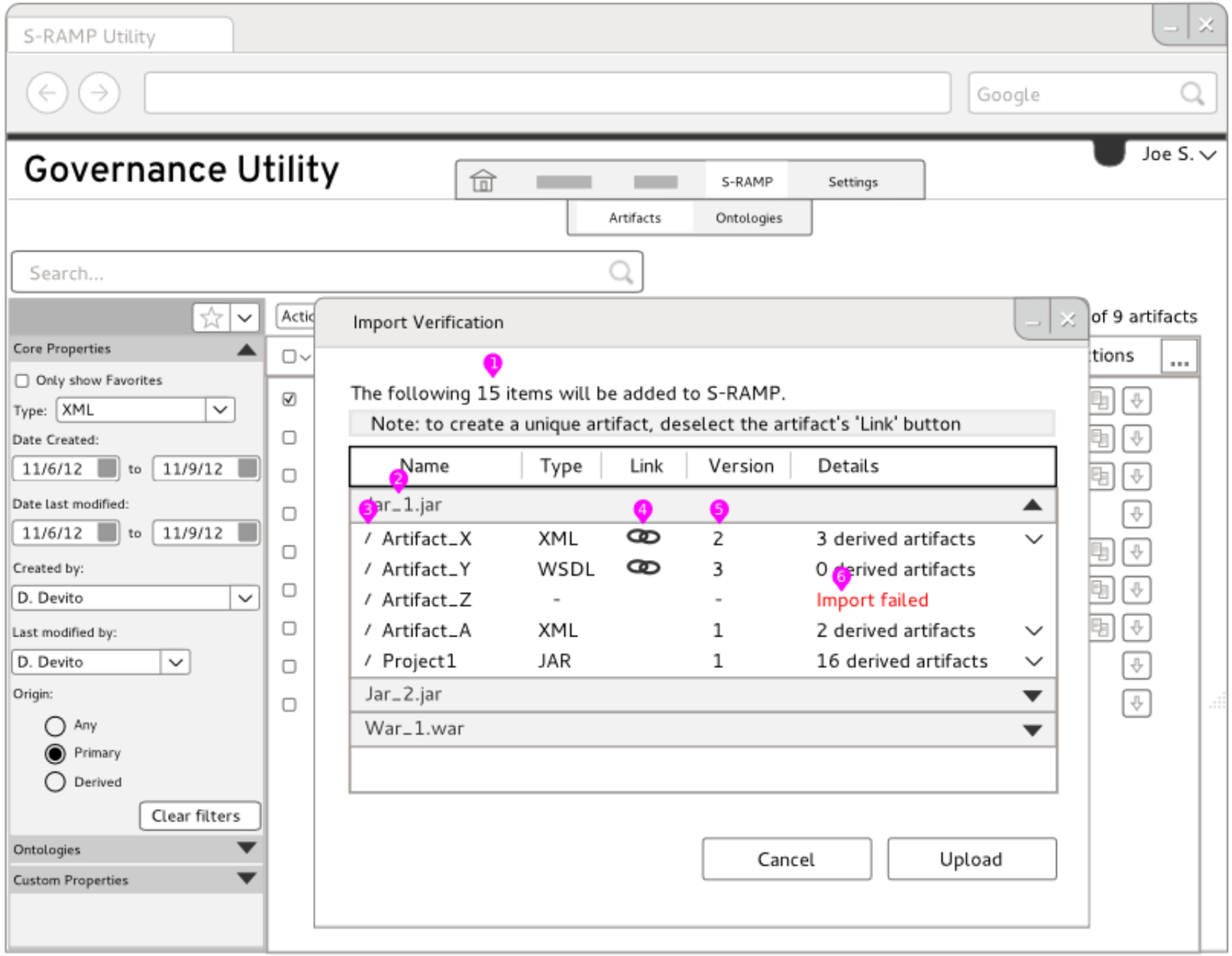


Import Artifacts: Browse Files

Use a standard file browser to choose files. Users will able to select multiple files for upload.

Notes

1. Choose files and click "OK"

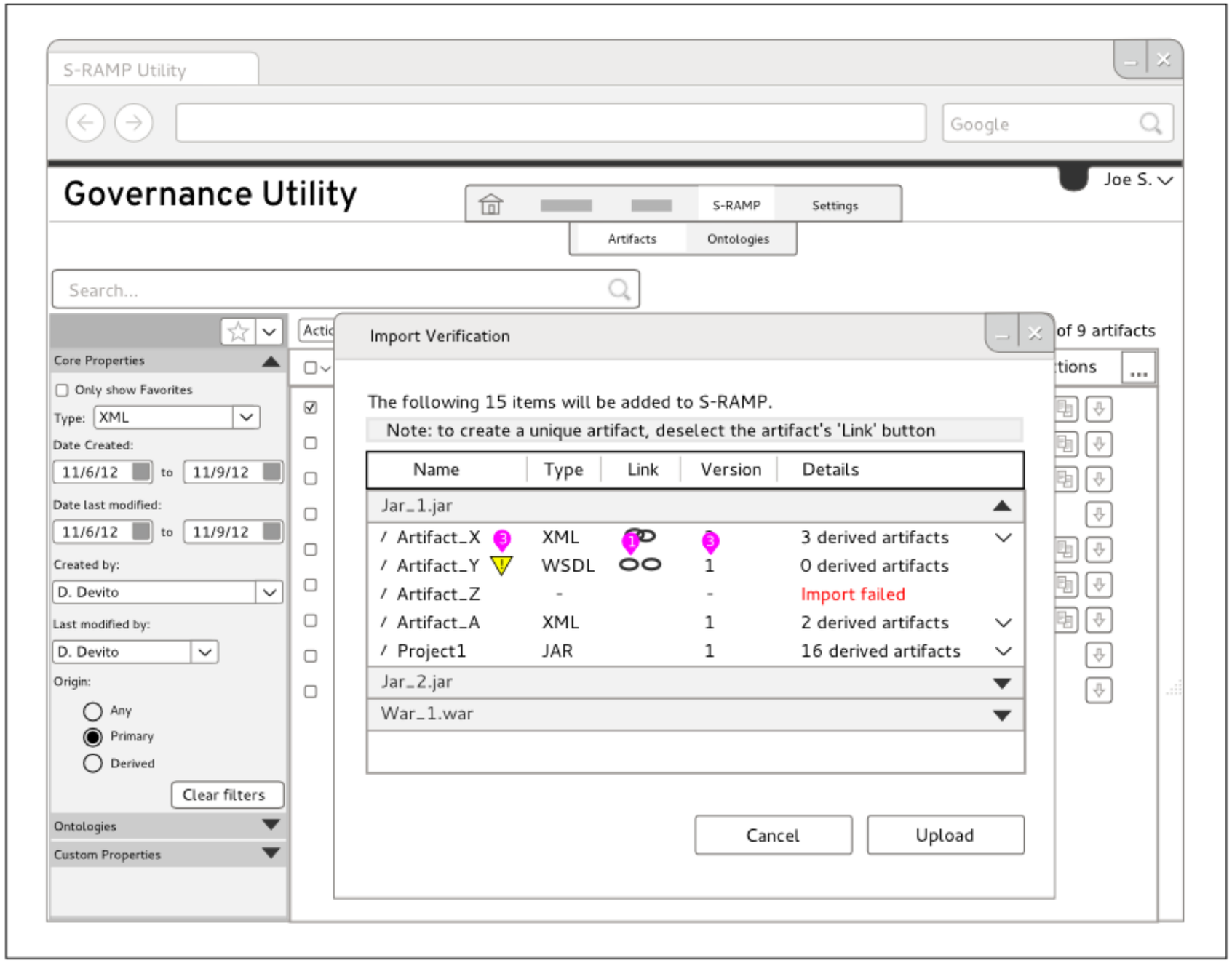


Import Artifacts: Verify and Edit

Users will be presented with a verification screen before commiting upload. In this example, the user selected 2 jar files and a war file. This screen will show: (an estimate of) derived artifacts that will be created, and whether any files could not be uploaded. We also provide the user with some options for the items to be uploaded.

Notes

1. Shows the number of artifacts that will successfully be created (including derived artifacts).
2. Organized by packages that artifacts came from.
3. Name is editable. Note: changing the name will unlink the item by default.
4. Click to unlink - this will create an artifact that is not associated with the previous artifacts of the same name. By default, this action will rename the new artifact.
5. A version higher than 1 indicates that we are creating a new version of an existing artifact. A version of 1 indicates a new artifact.
6. This artifact failed, and will not be uploaded



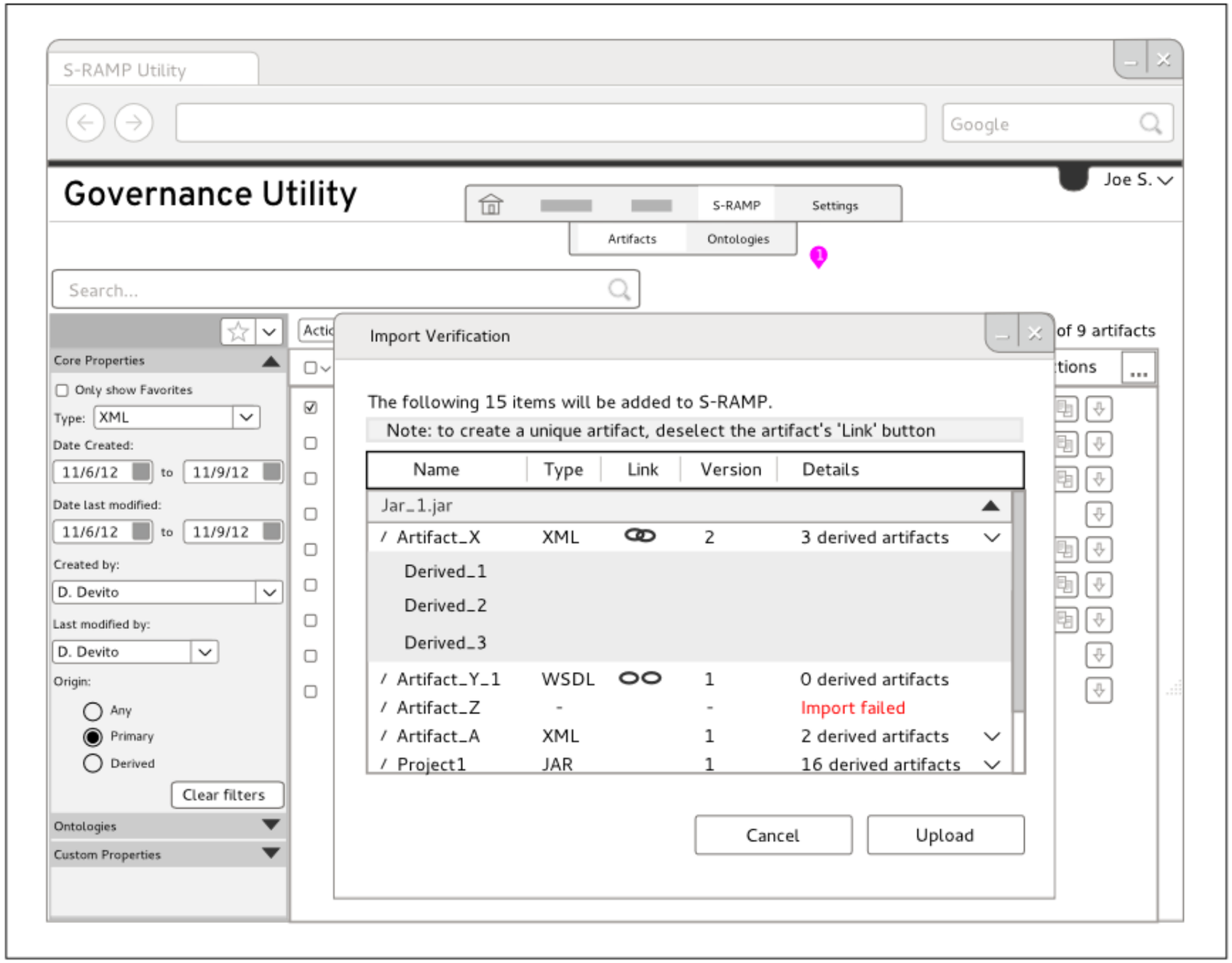
Import Artifacts: Verify and Edit

This frame shows what happens when a user unlinks an Artifact.

Notes

1. Clicking the icon changes it's state.
2. This shows that it is the first version of the given artifact.
3. This warning is to show the user that they will be creating a duplicated name. A tool-tip will show up on mouse over, with the following content:

> Warning: this name is already used by another artifact in the system. Consider renaming.

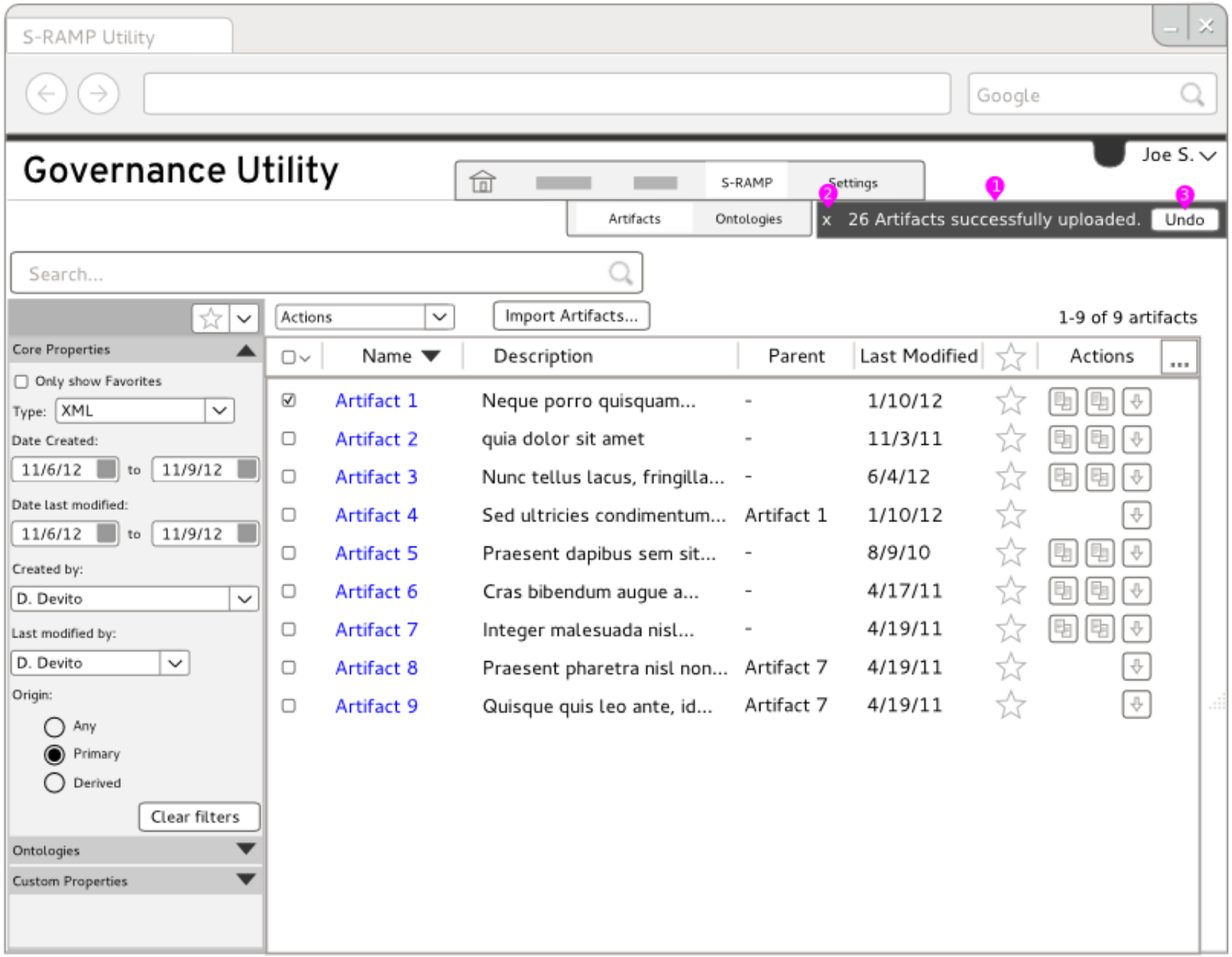


Import Artifacts: View Derived

This frame shows what happens when a user clicks the down arrow on an artifact.

Notes

1. Shows the list of derived artifacts.

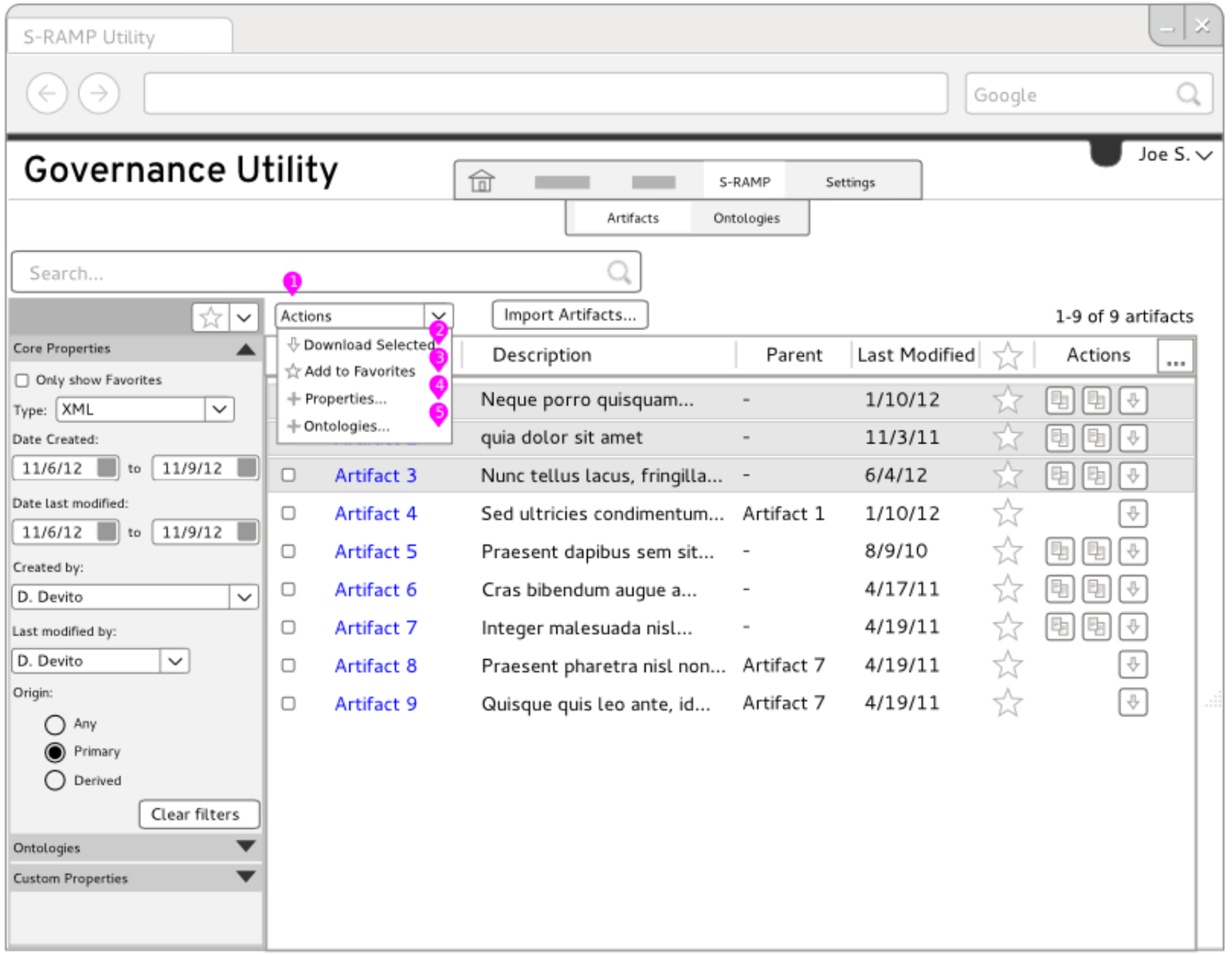


Import Artifacts: Confirm Upload

Once the user has passed the verification stage, files will be uploaded to S-RAMP. There will be a confirmation message, providing feedback to the user that the upload was successful

Notes

1. Message should persist unless a) the user closes it or b) the user navigates away from this page.
2. Close button
3. Undo - cancel upload. This action will disappear if the user navigates away from the page.
4. While the artifacts are in the process of being uploaded, this message will show the following:

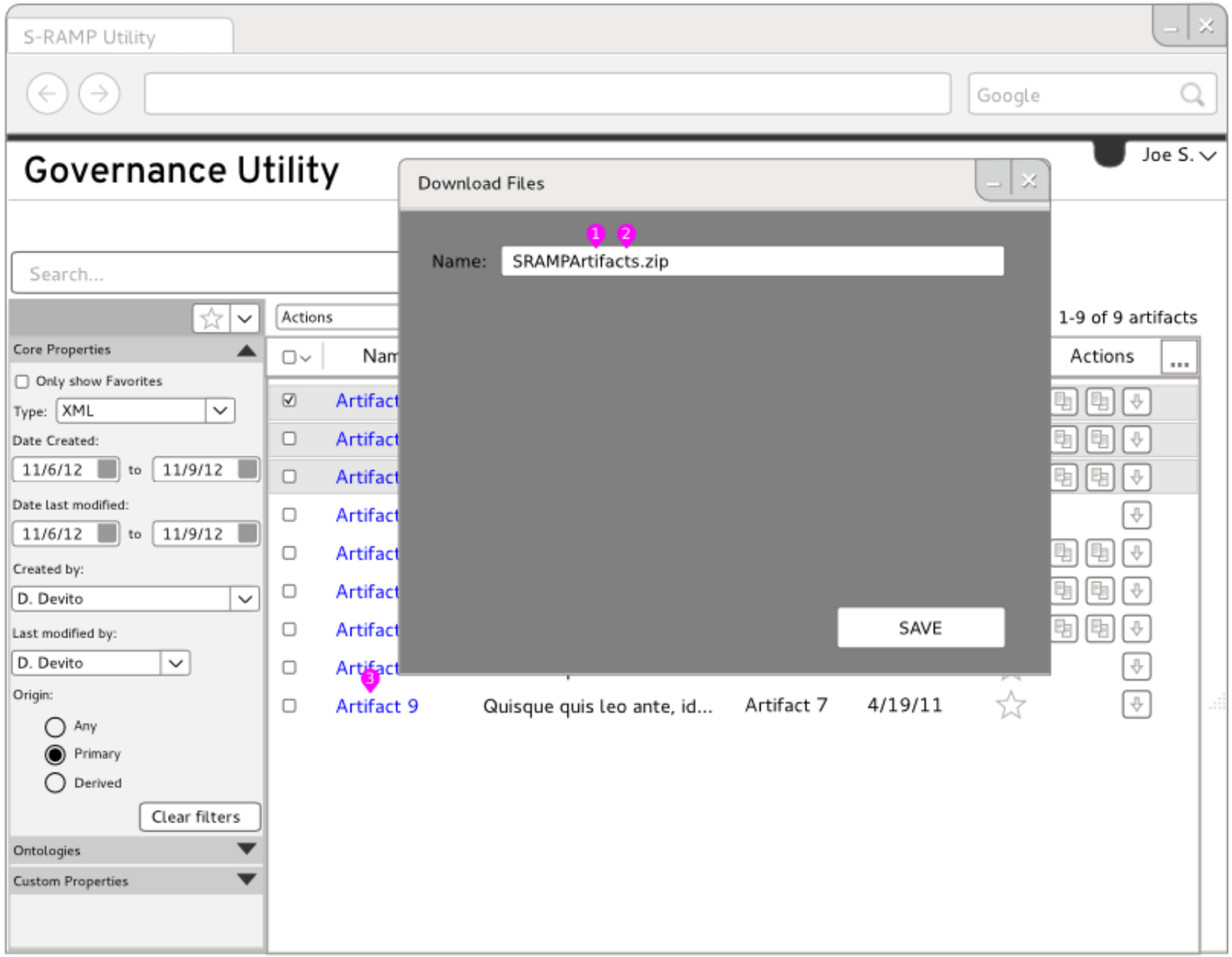


Repo Browser: Actions

Artifacts can be downloaded from the browser screen by selecting them, then clicking the download options in the "actions" dropdown.

Notes

1. Action dropdown is used for bulk actions on selected artifacts in the table below.
2. Download selected (see next page)
3. "Star" selected items (see pg. 8.3)
4. Edit properties for selected items (see pg. 8.4)
5. Edit Ontologies for selected items (see pg. 8.5)



Actions: Download

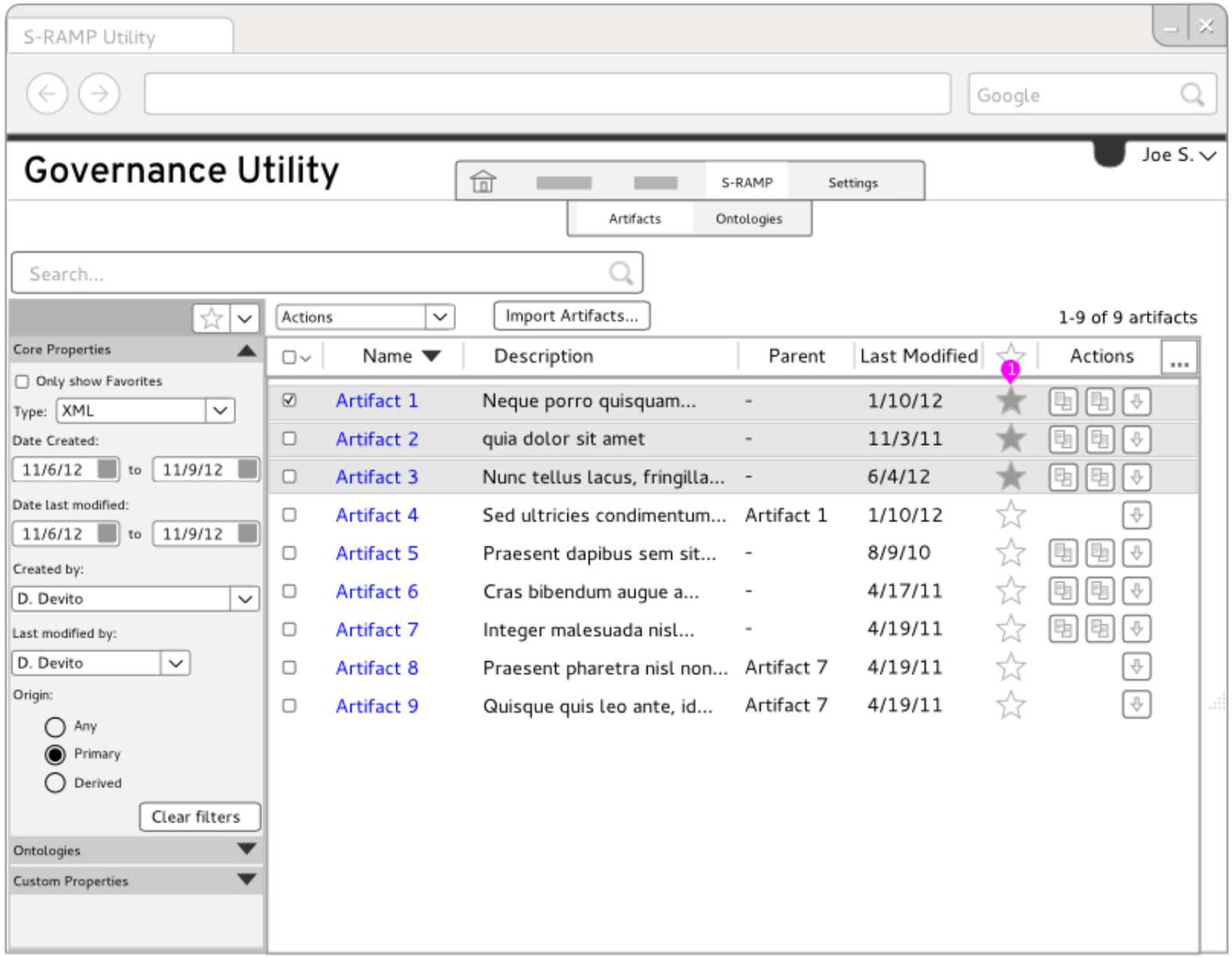
Downloading items will bring up a standard file browser to save files to disk.

Notes:

1. When the user has selected multiple artifacts, a zip file will be created containing these artifacts and their SOA metadata.

2. If we are downloading multiple artifacts, the zip will have a generic name, such as "SRAMPArtifacts.zip. Otherwise, we will defailt to the Artifact name.

3. For the case of derived artifacts, only their SOA metadata will be added to the zip - NOT their content.

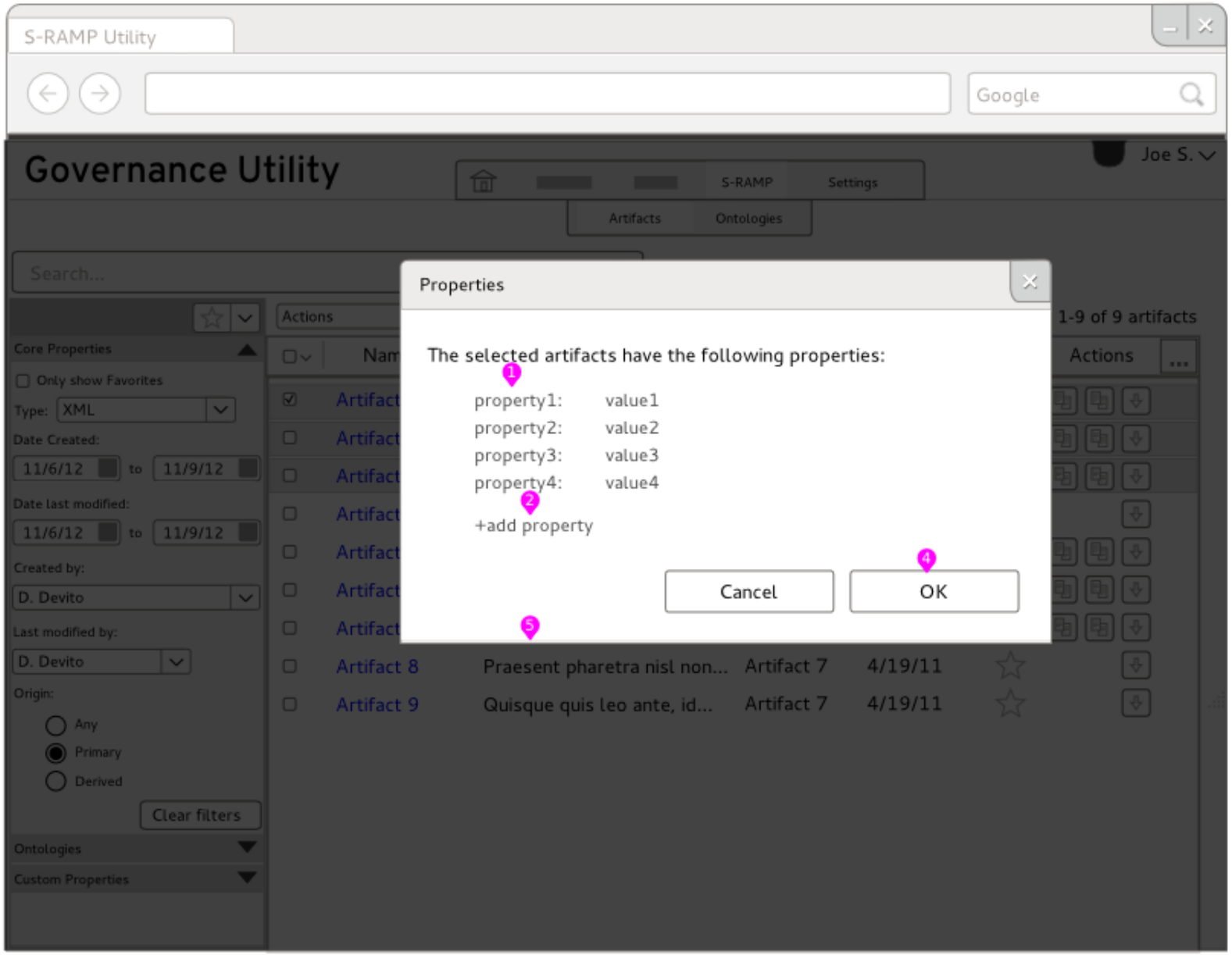


Actions: Add to Favorites

After clicking on the "Add to Favorites" Action, selected items will be starred.

Notes

1. Newly starred items



Actions: Properties

After the user has selected the "Properties" Action, the following view will pop-up.

Notes

1. COMMON properties for selected items.
2. Click this to add a new property.
3. Sequence for adding a property
4. OK applies changes and closes dialog.
5. Modal dialog can grow to be about square, at which point the property area will become a scroll area.

3

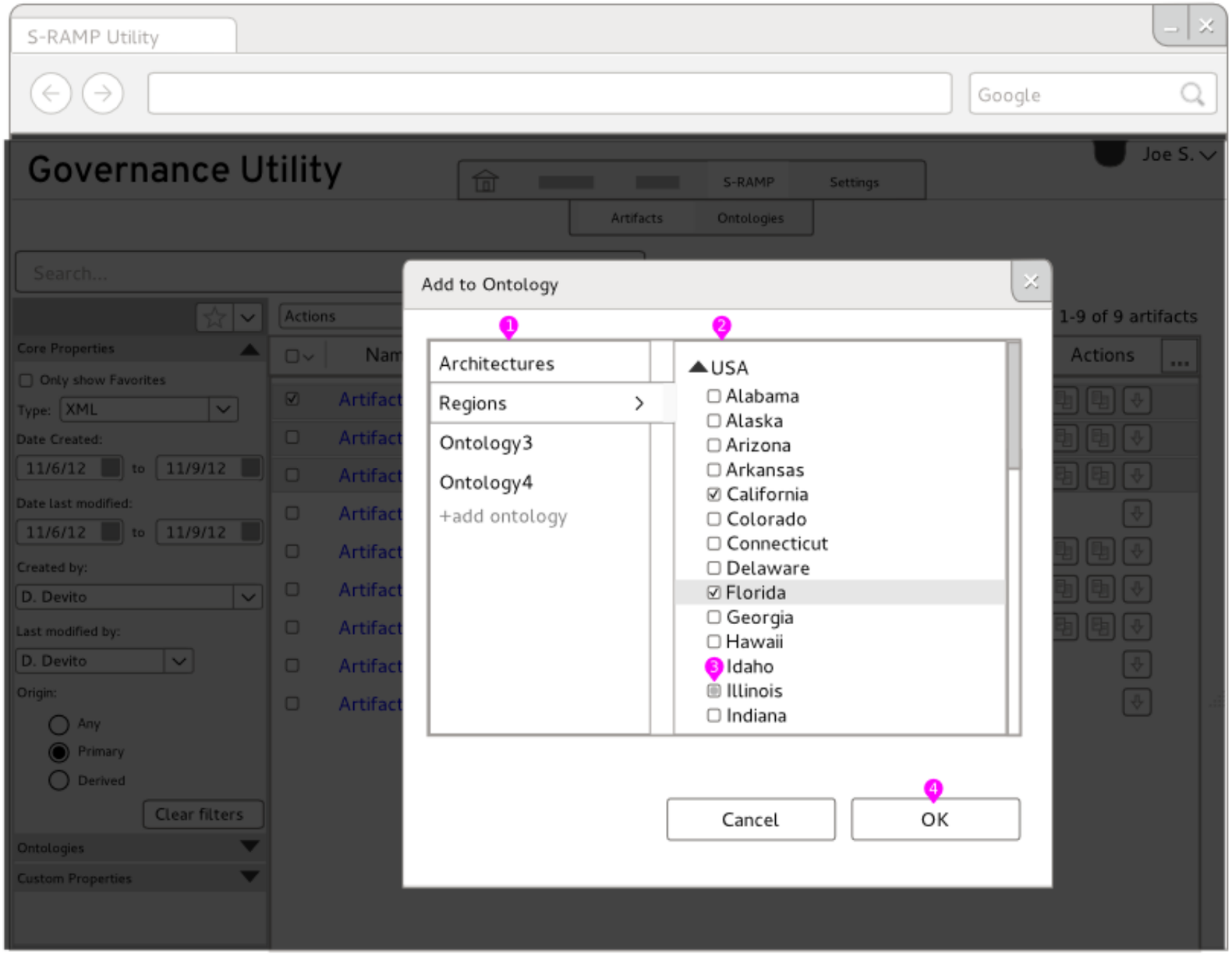
+add property

property... : value...

color : neon green

color: neon green

textboxes change back to fields when user clicks away or presses 'return'

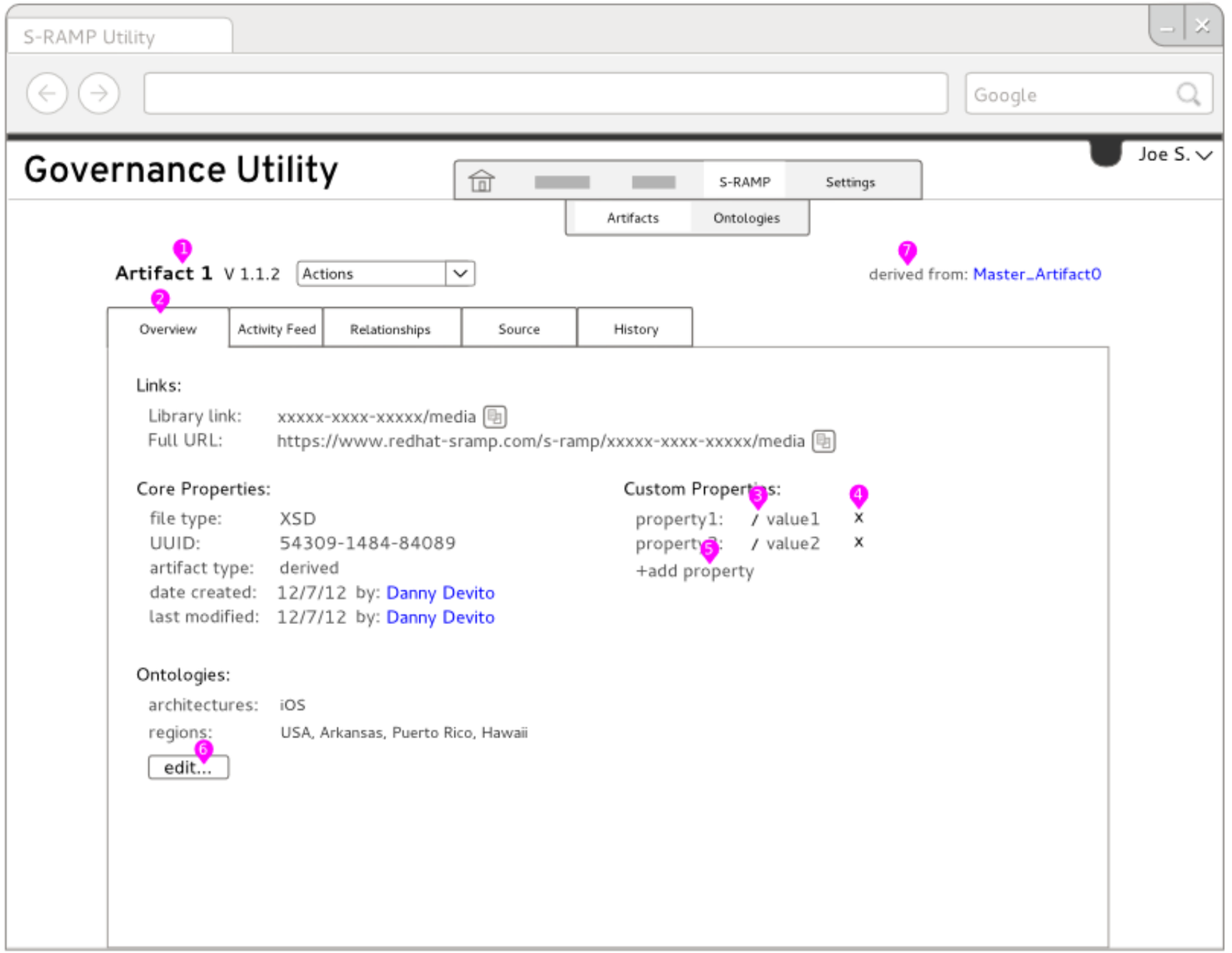


Actions: Ontologies...

After the user has selected the "Ontologies" Action, the following view will pop-up.

Notes

1. Peruse the Ontologies.
2. Select/deselect nodes within the Ontologies.
3. This state represents that SOME of the selected artifacts have this classification. User can either apply the property to all, clear it for all, or leave it as it is.
4. Press OK to apply.

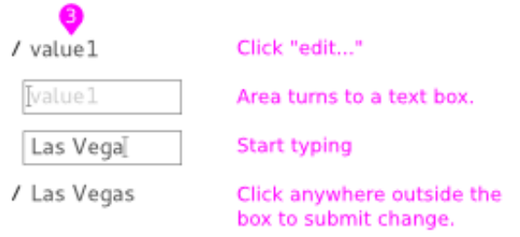


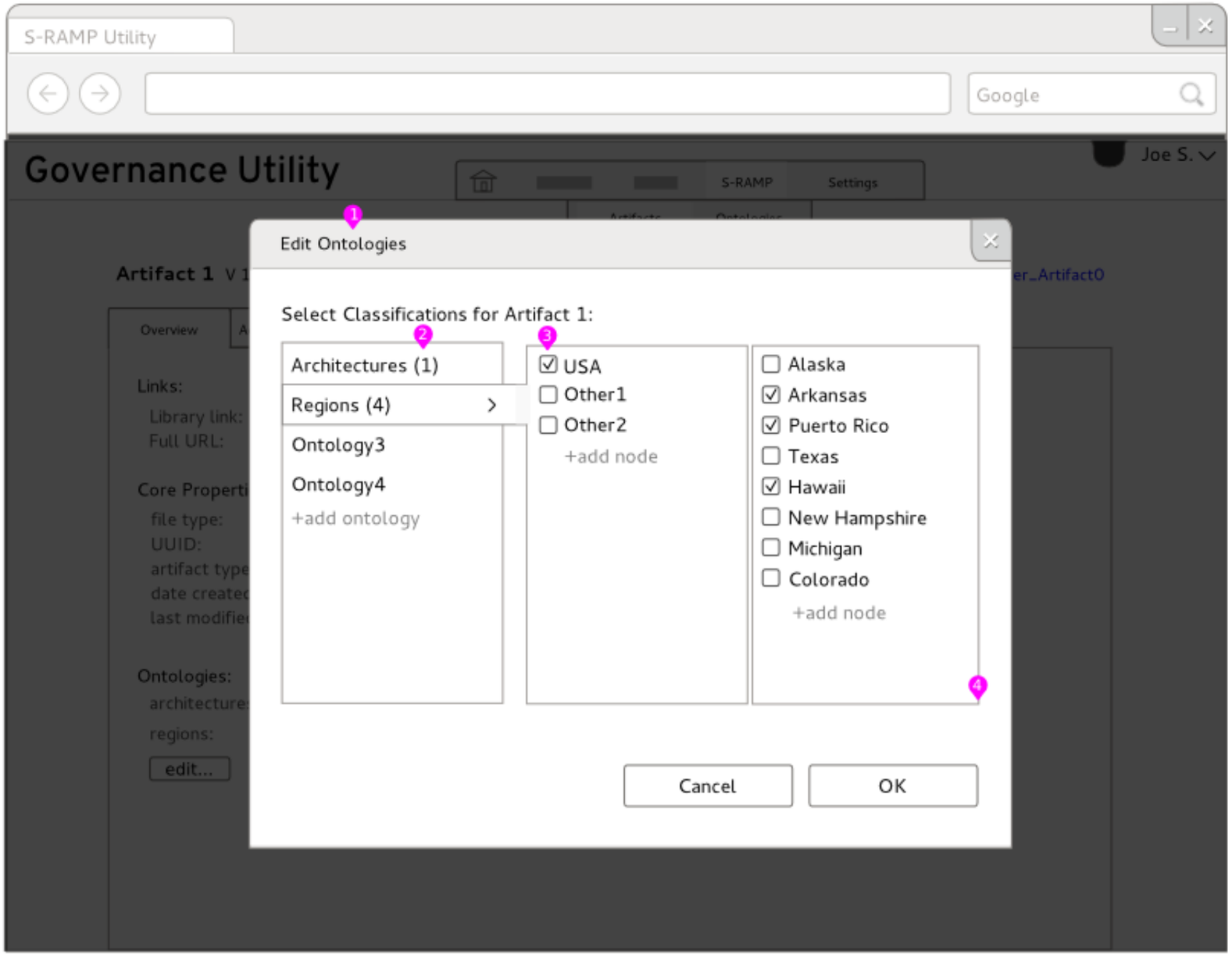
Artifact Page: Overview

View the overview details of an artifact

Notes

1. Name and version
2. Tab area: properties is the first tab and default in view.
3. Text fields can be renamed in-line (see sequence below).
4. Clicking this 'x' will delete both the property and value.
5. Additional properties can be added using this button.
6. Click 'edit' to change Ontology classifications (pg. 9.2)
7. "derived from" is only displayed if the Artifact is actually a derived artifact



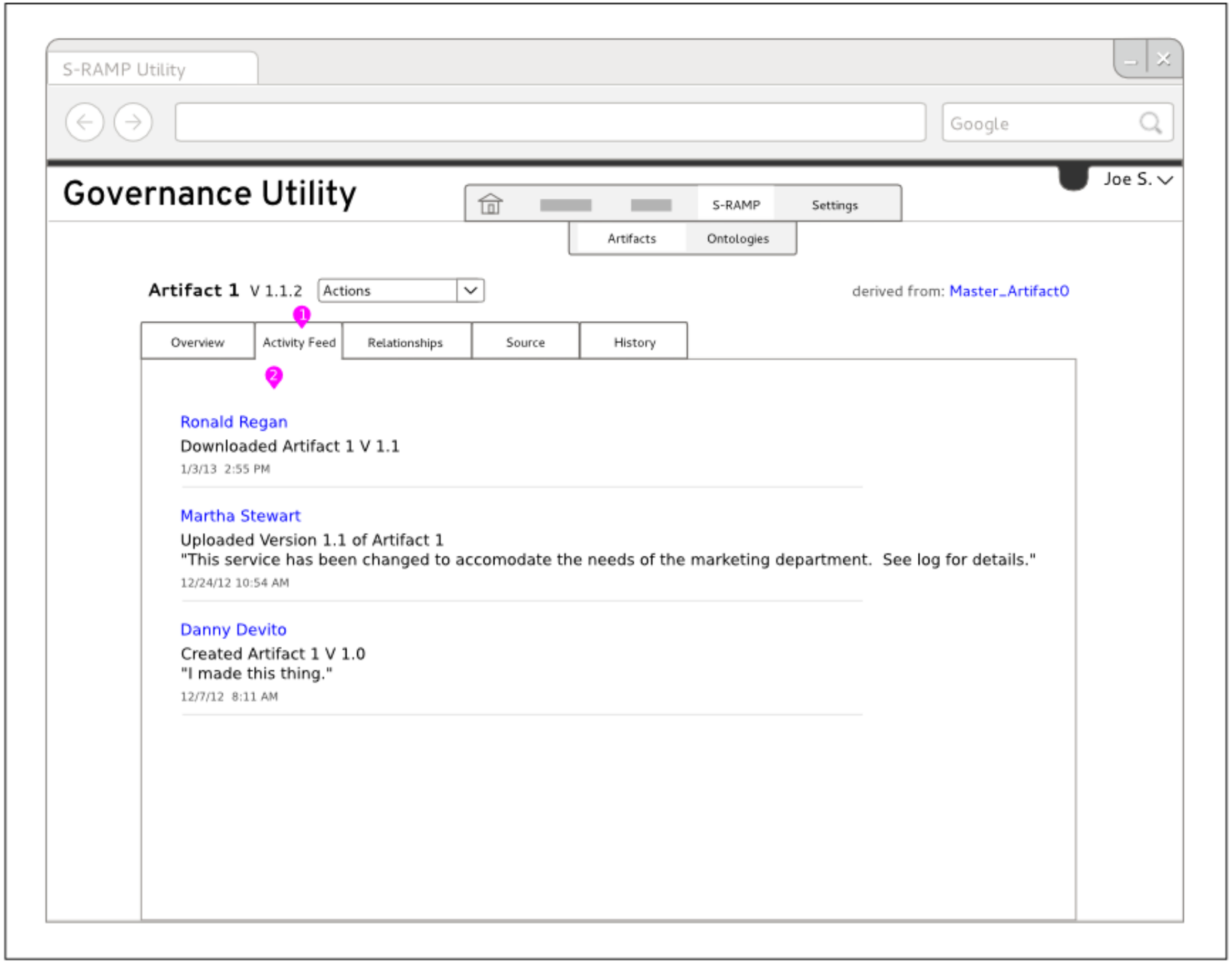


Artifact Page: Edit Classifications

Edit the classifications of an artifact

Notes

1. Selecting the 'edit' button will show this modal dialog.
2. This number represents the selected classifications.
3. Check the boxes to add classifications
4. This area will become scrollable (vertical and horizontal) as needed.

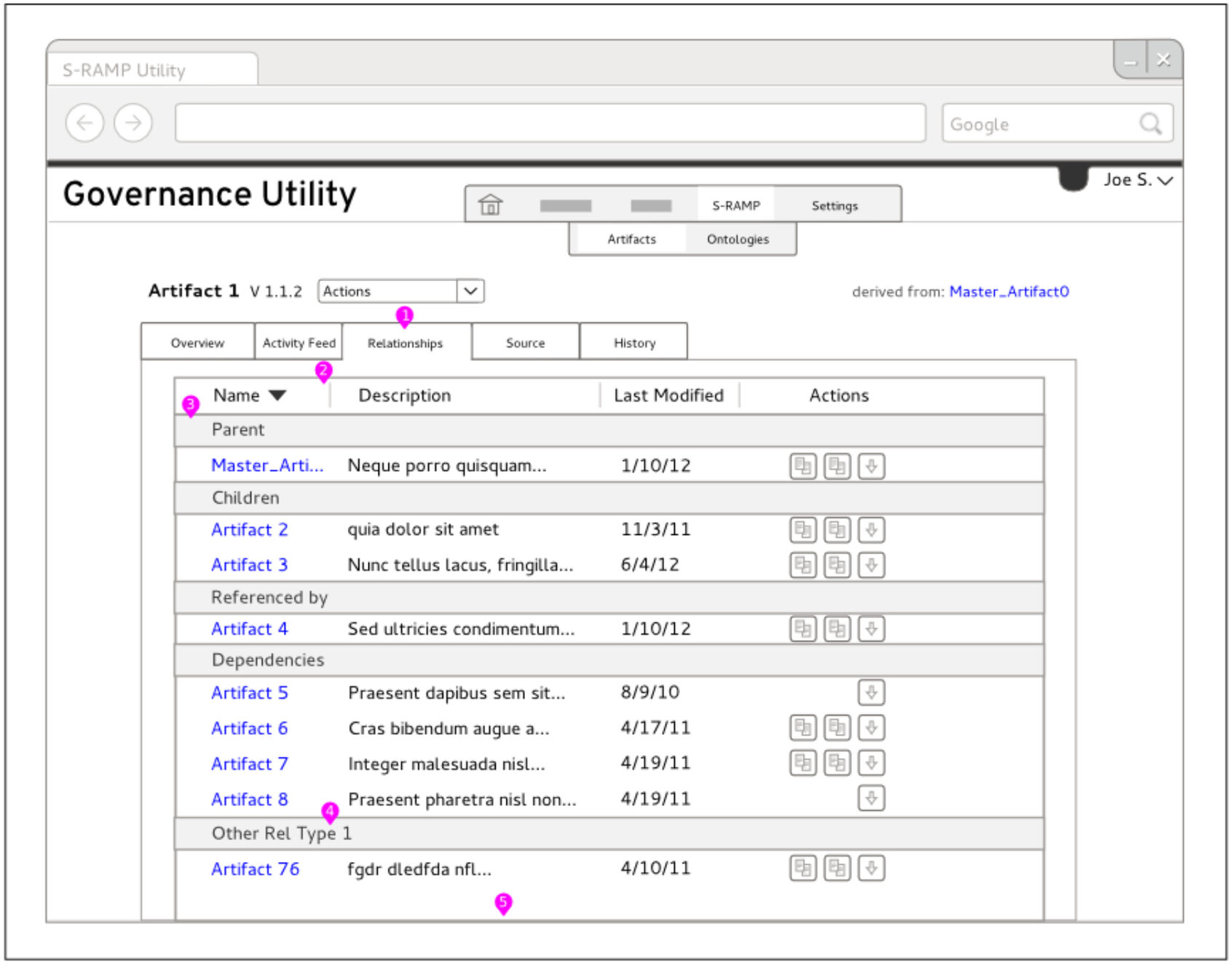


Artifact Page: News Feed

View the news feed of an artifact

Notes

1. This is the News Feed tab
2. Time-stamped news items in reverse cronological order

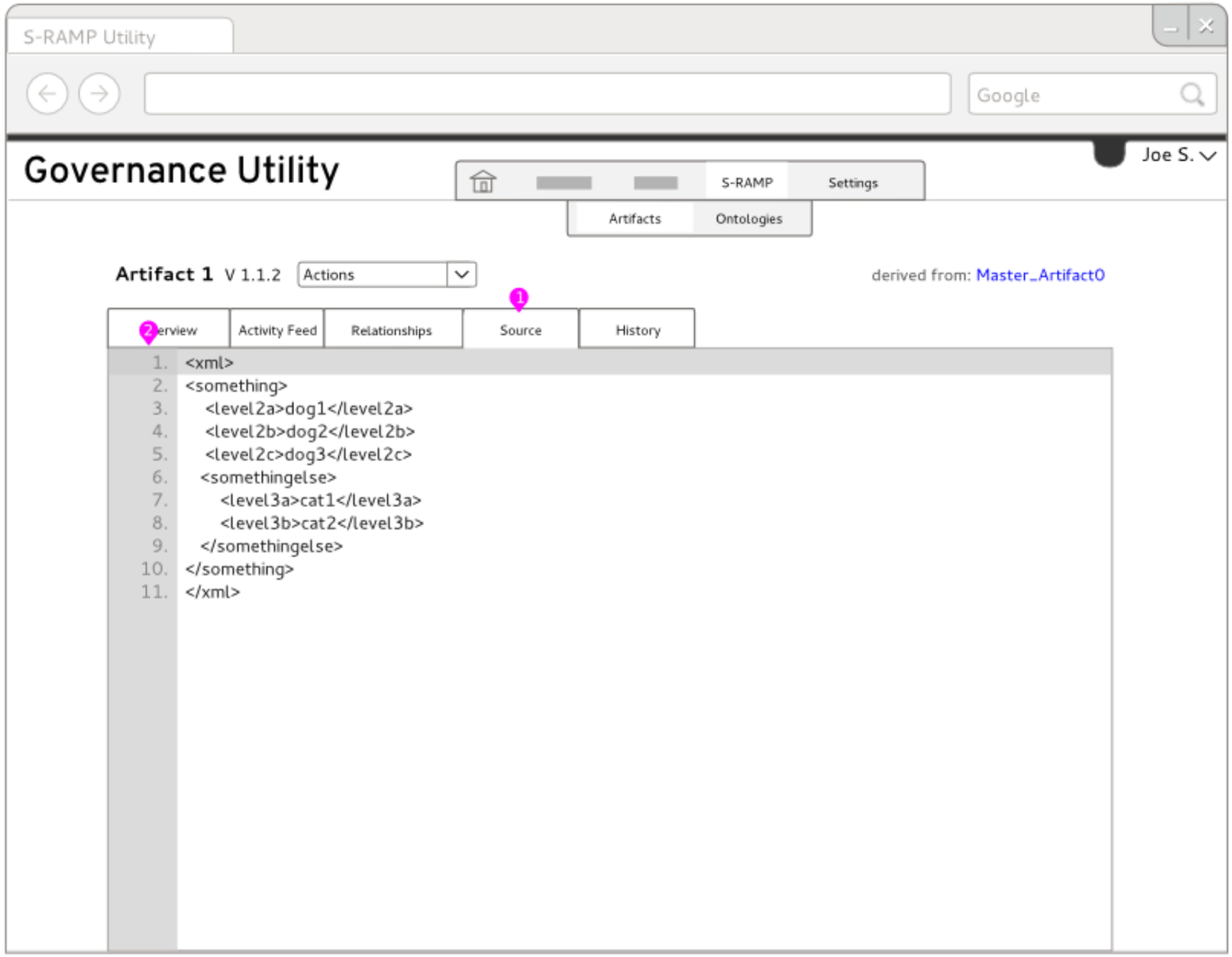


Artifact Page: Relationships

View the relationship details of an artifact

Notes

1. Relationships tab
2. Table of relationships
3. Sections will appear when they exist
4. Other relationship types will appear below, if they exist.
5. Page is scrollable, if needed.

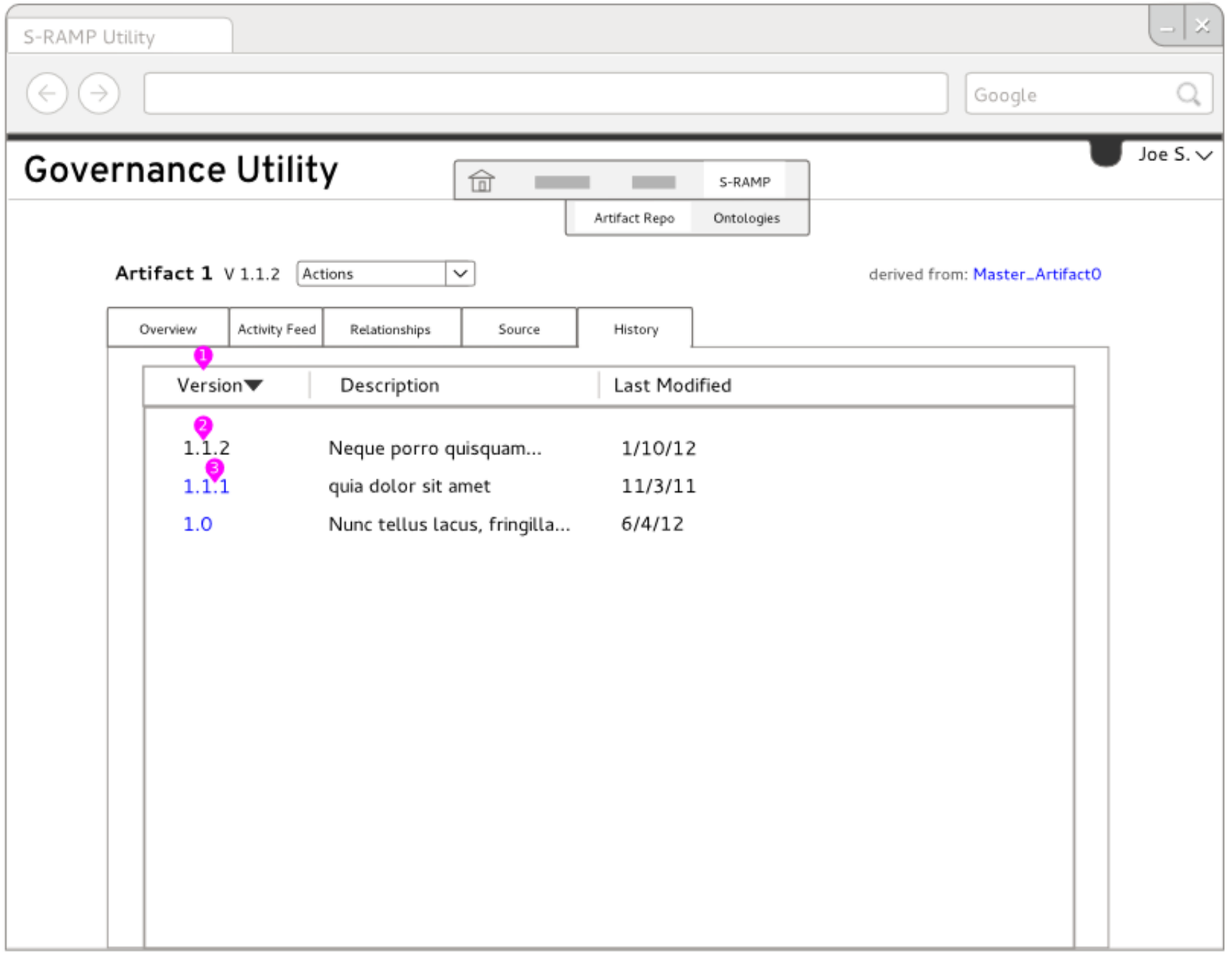


Artifact Page: Source

View the source of an artifact

Notes

1. Source tab
2. Numbered source viewer

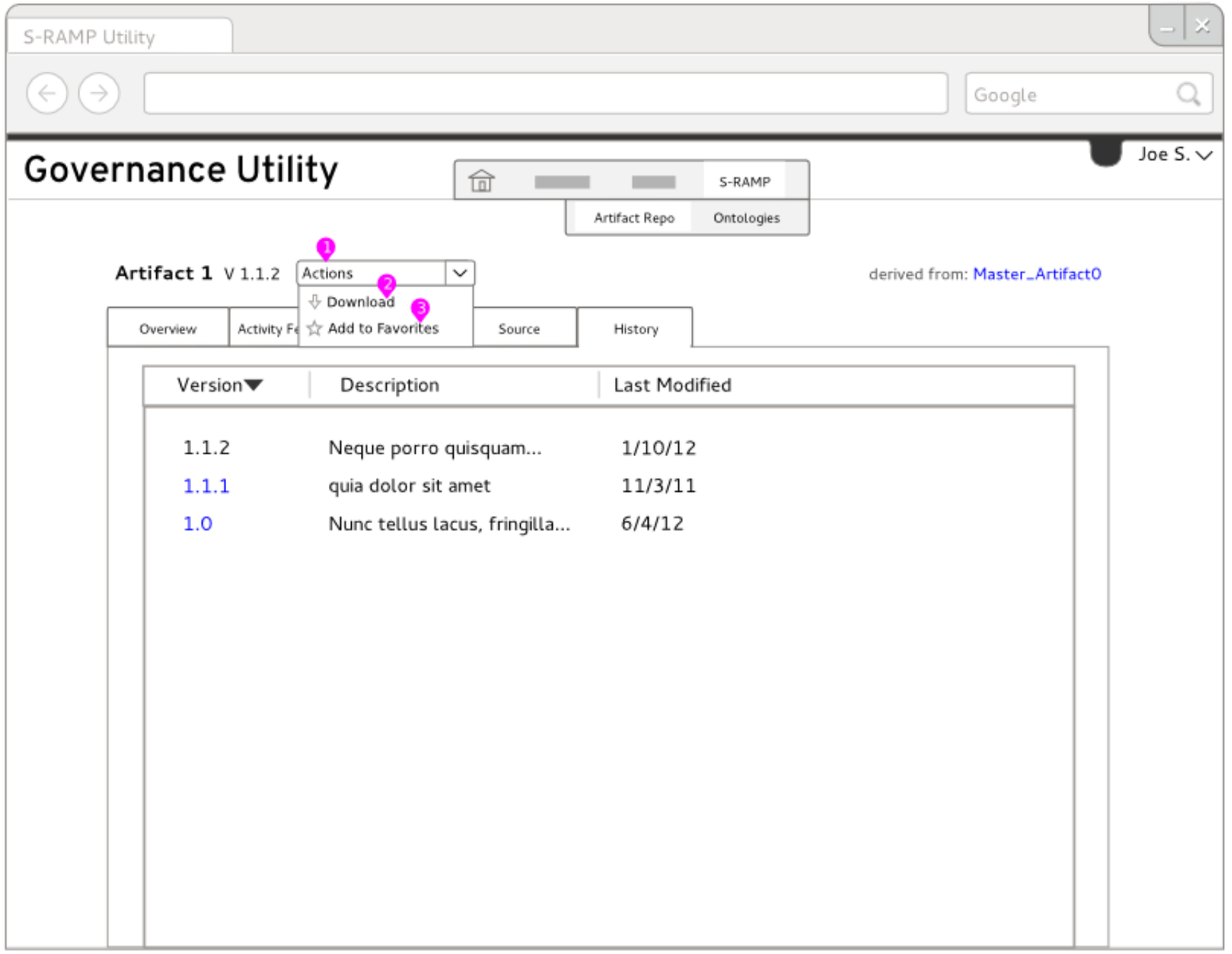


Artifact Page: History

The history page shows all the versions of this Artifact in the S-RAMP repository.

Notes

1. Table of Artifact Versions
2. Currently viewed artifact
3. Other versions - links to their individual pages.

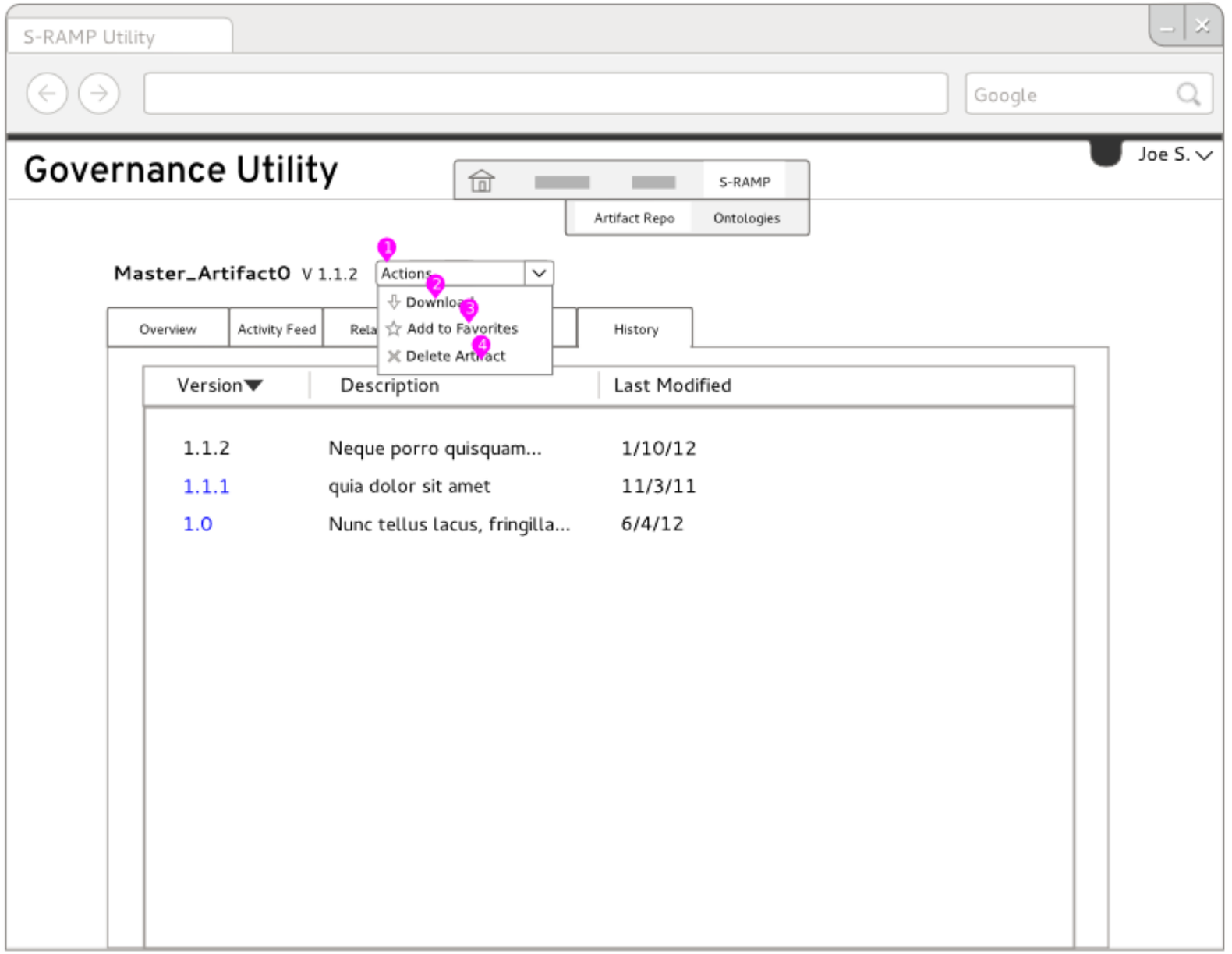


Derived Artifact Page: Actions

available Actions for derived artifacts

Notes

1. Actions dropdown
2. "Download": See pg. 8.2
3. "Add to Favorites": See pg. ____

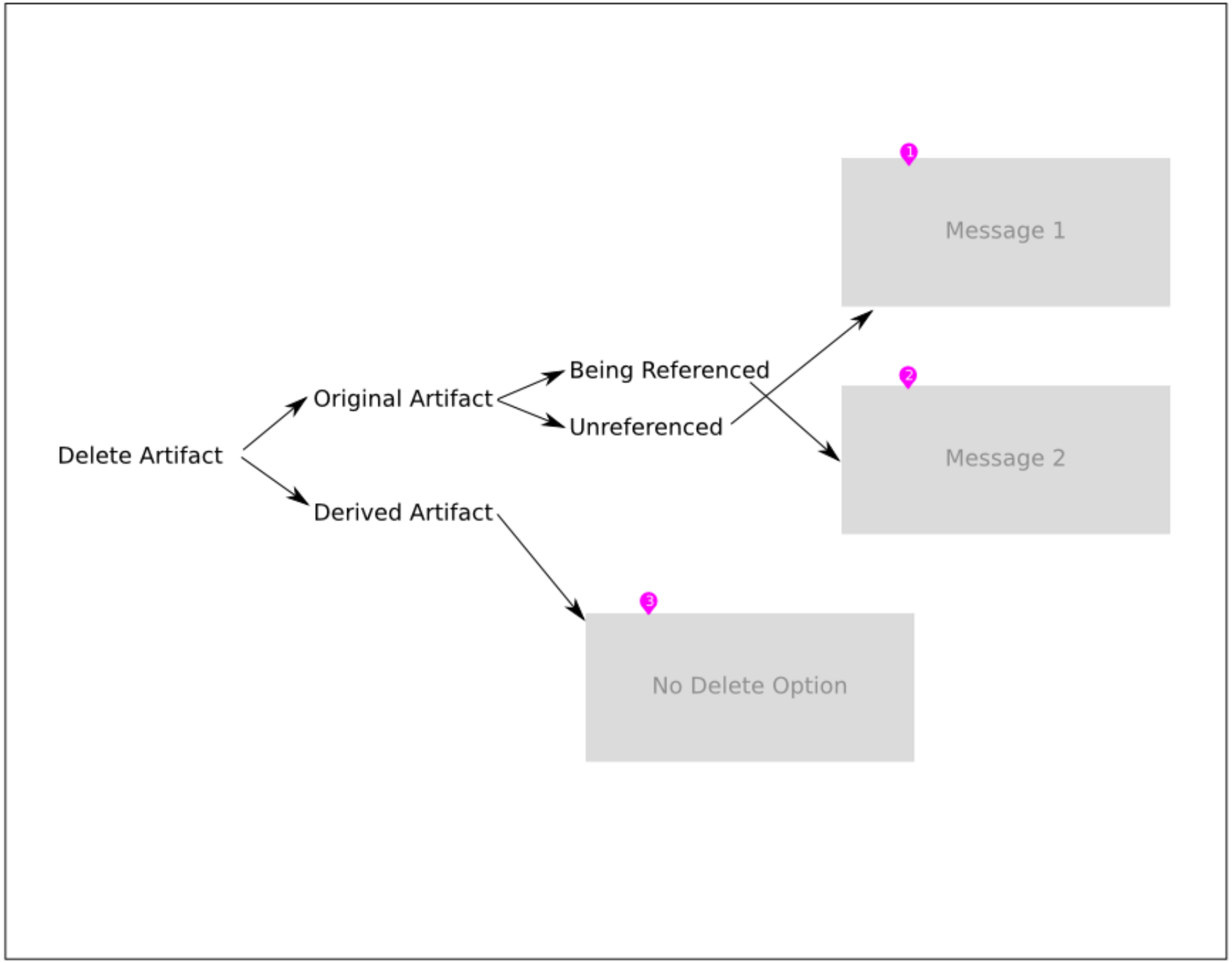


Primary Artifact Page: Actions

available Actions for primary artifacts

Notes

1. Actions dropdown
2. "Download": See pg. 8.2
3. "Add to Favorites": See pg. ____
4. "Delete Artifact": See pg. 9.9 - 9.12

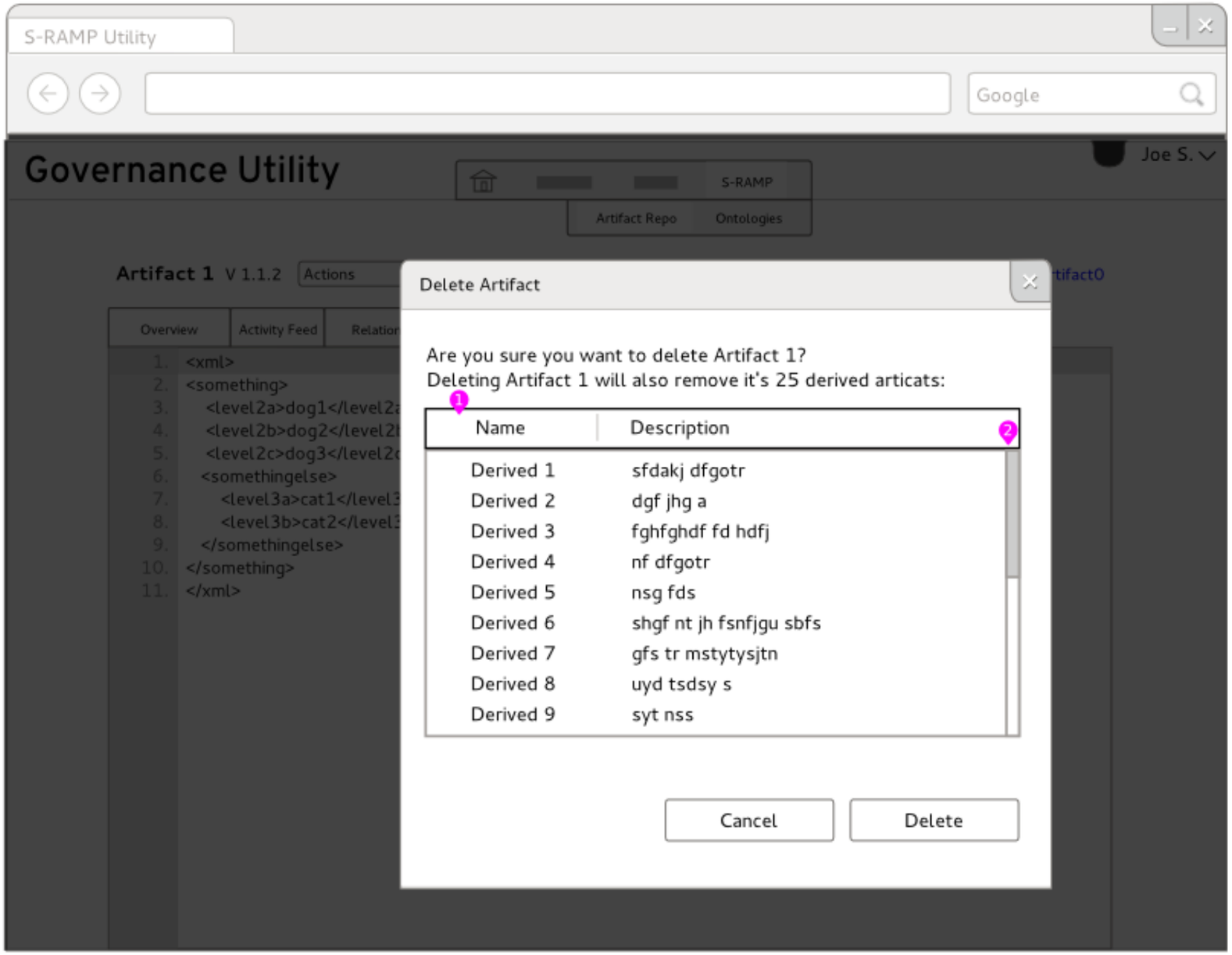


Delete Artifact: Possible Cases

There are 3 cases, depending on the following information.

Notes

1. Delete unreferenced Original - confirmation
2. Delete referenced artifact - warn user
3. Delete unreferenced Derived - impossible action

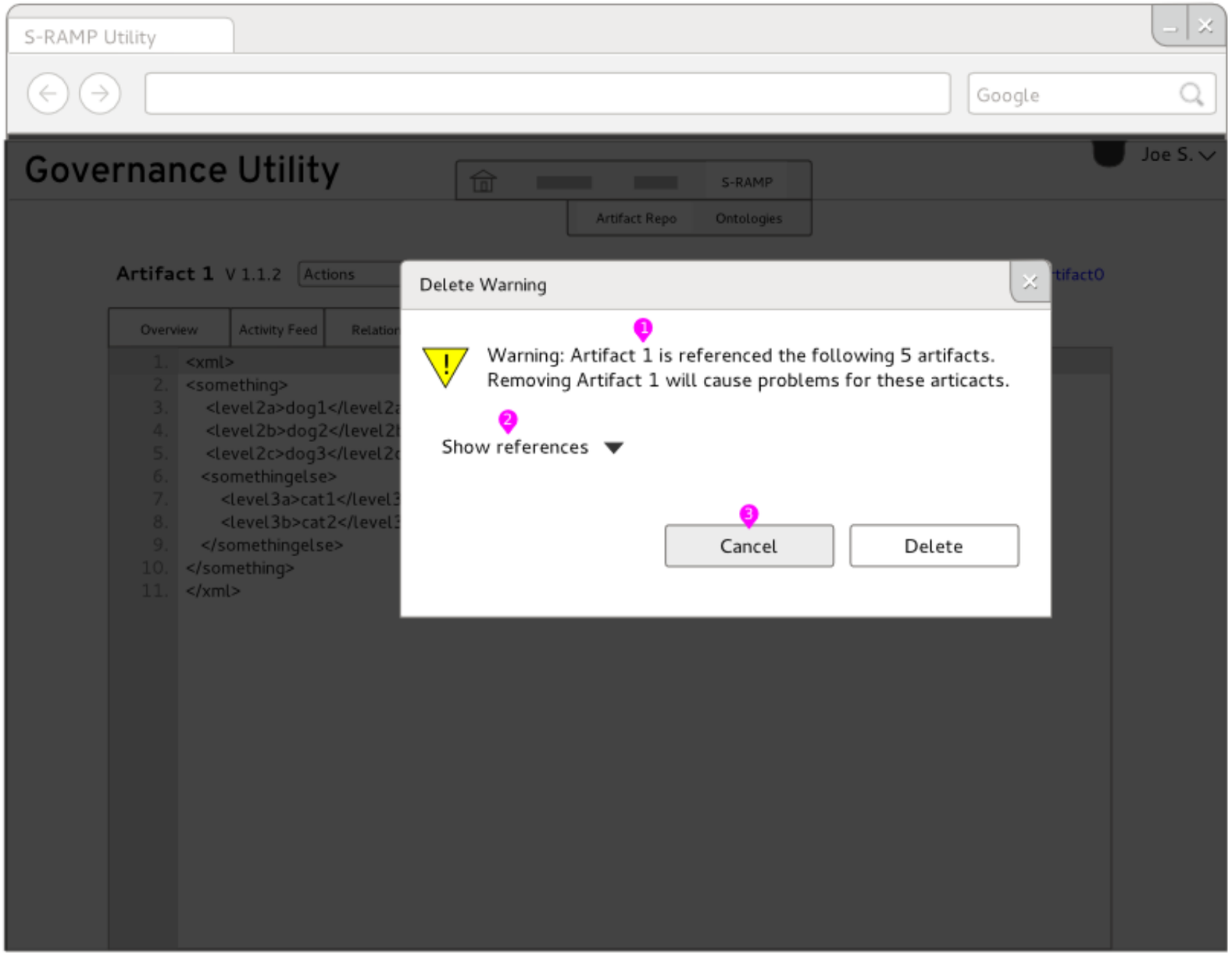


Delete (1): Primary, Unreferenced

Delte a primary, unreferenced artifact.

Notes

1. List of derived artifacts that will also be deleted.
2. Fixed height table with scrolling.

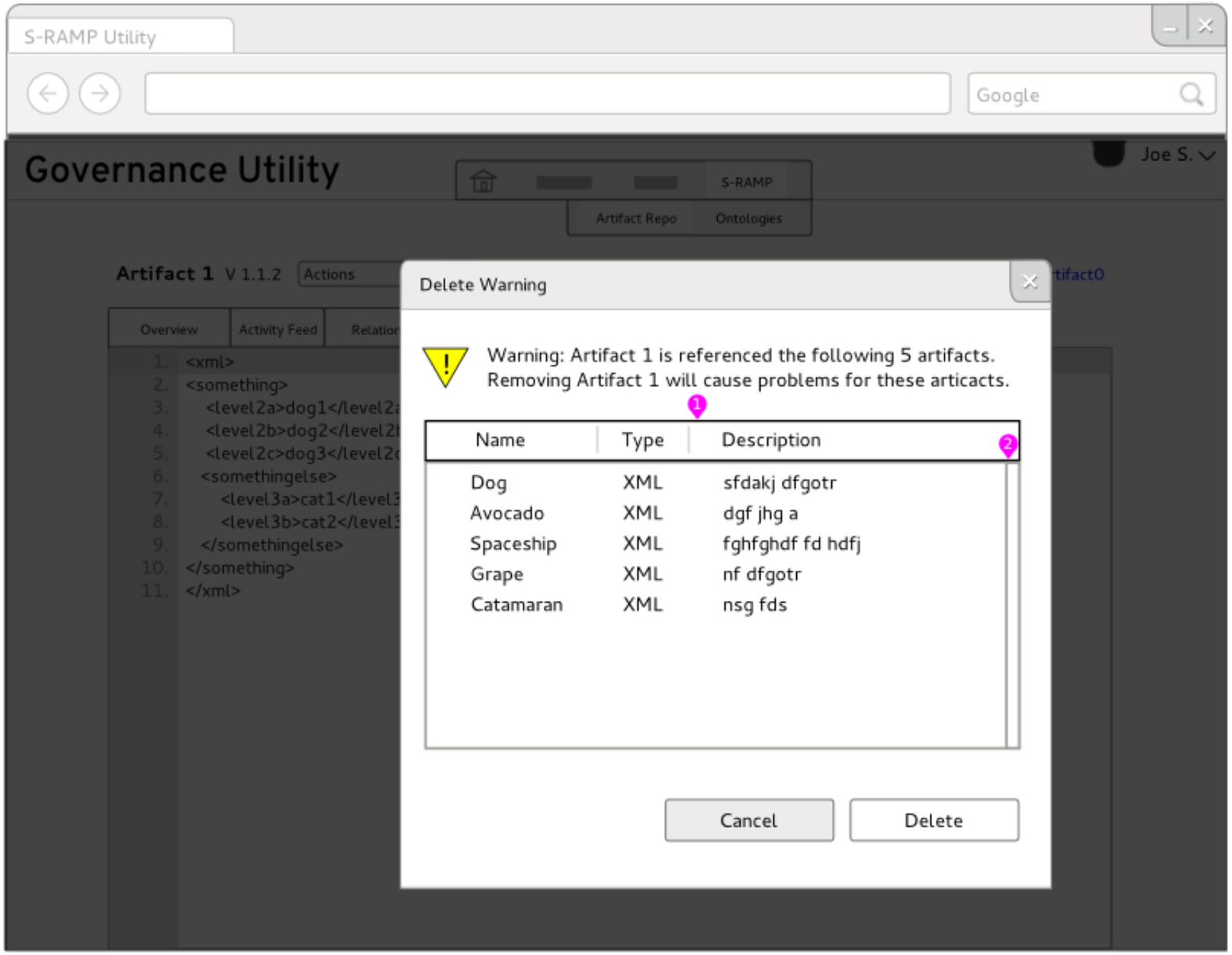


Delete (2): Reference Warning

Delete an artifact that is refrenced by other artifacts. Warn users that this is probably a bad idea.

Notes

1. Failure message.
2. User can expand to see referenced artifacts.
3. Cancel should be highlighted.

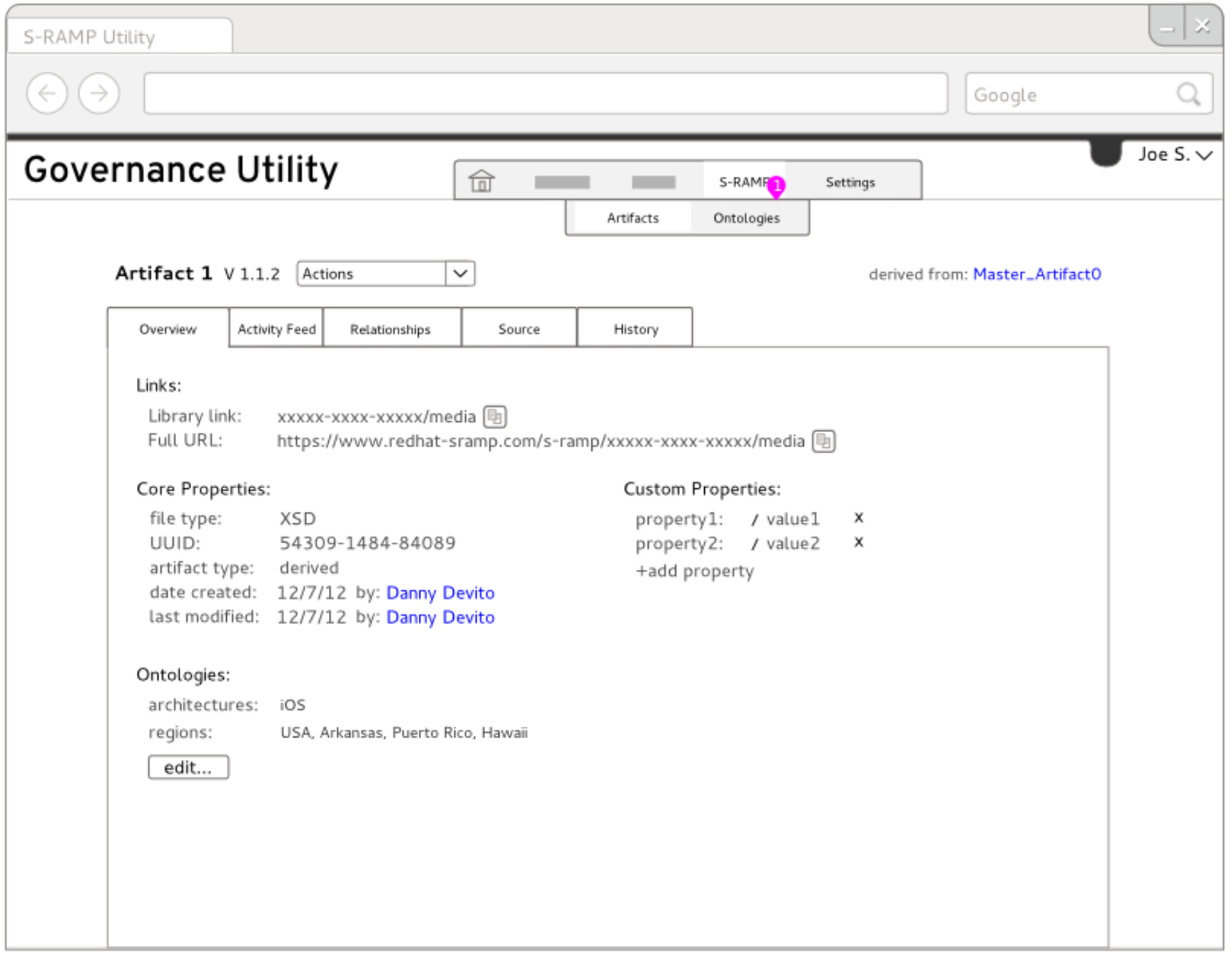


Delete (2): Reference Warning

Delete an artifact that is refrenced by other artifacts. Warn users that this is probably a bad idea.

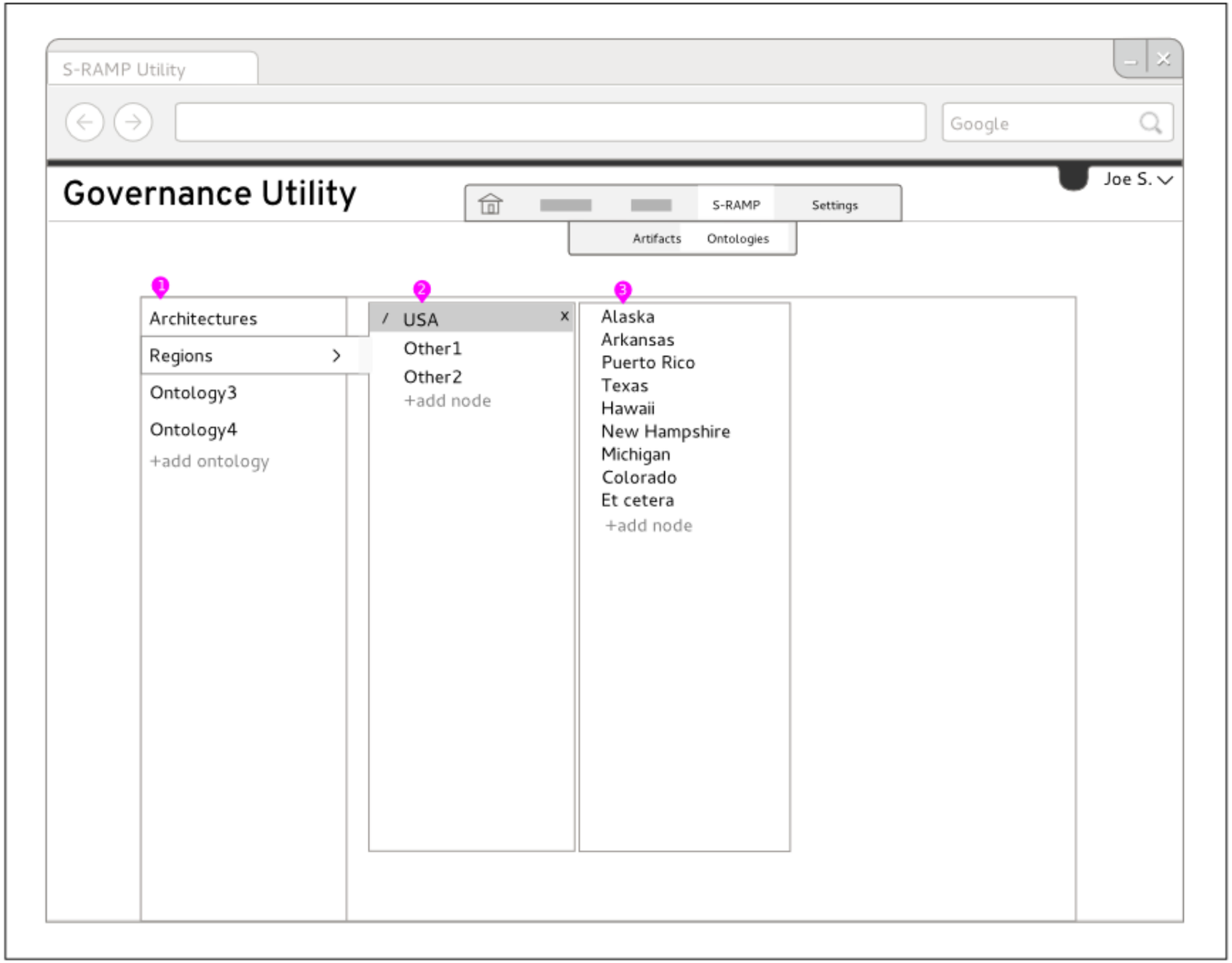
Notes

1. Table of referenced artifacts
2. FIxed height table with scrolling.



Ontologies: Menu Item

Ontoligies can be accessed by the menu item 1

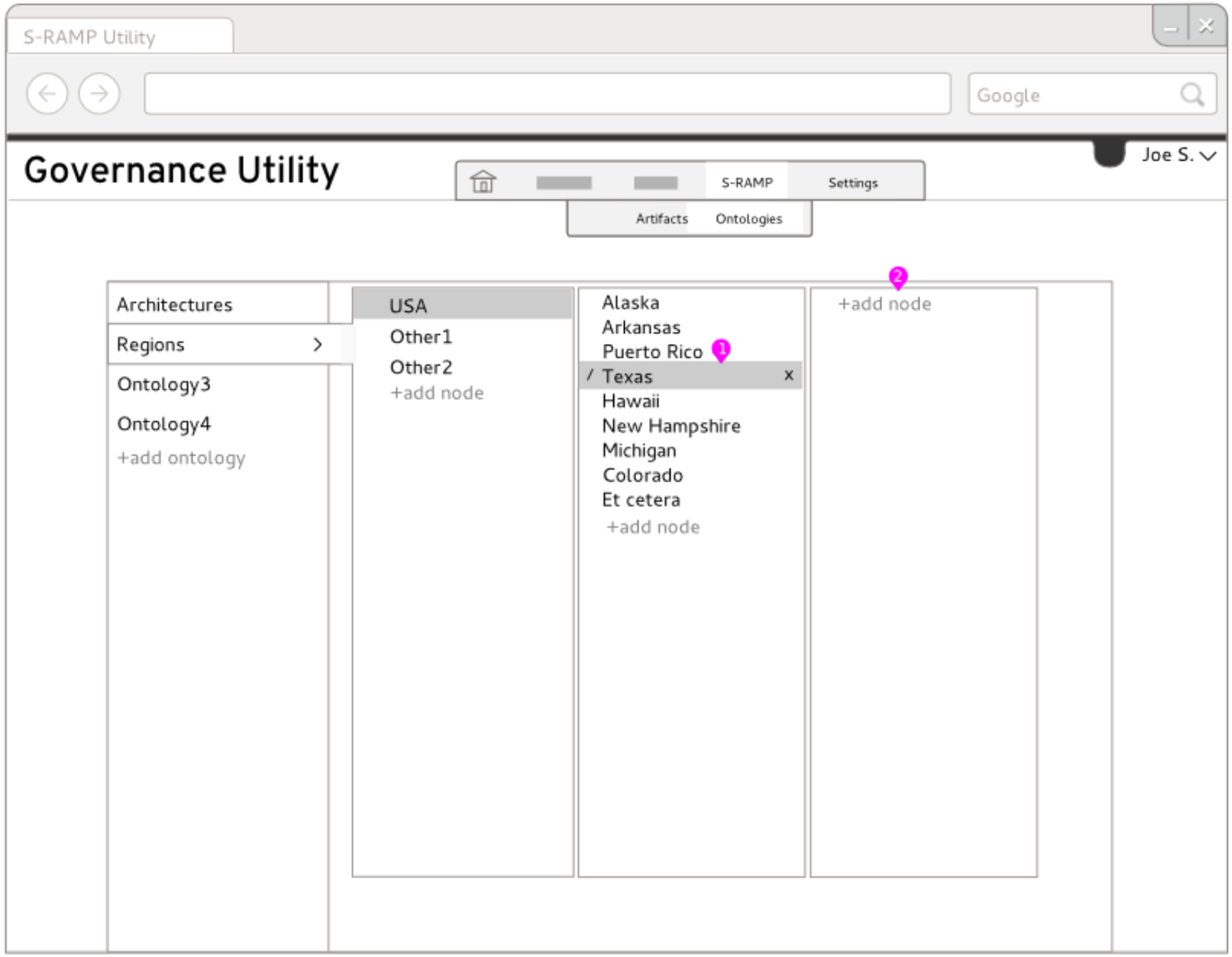


Ontologies Page

This is where users can create and edit ontologies.

Notes

1. Main list of ontologies (regions is selected)
2. Top level of region ontology
3. A second level of region ontology

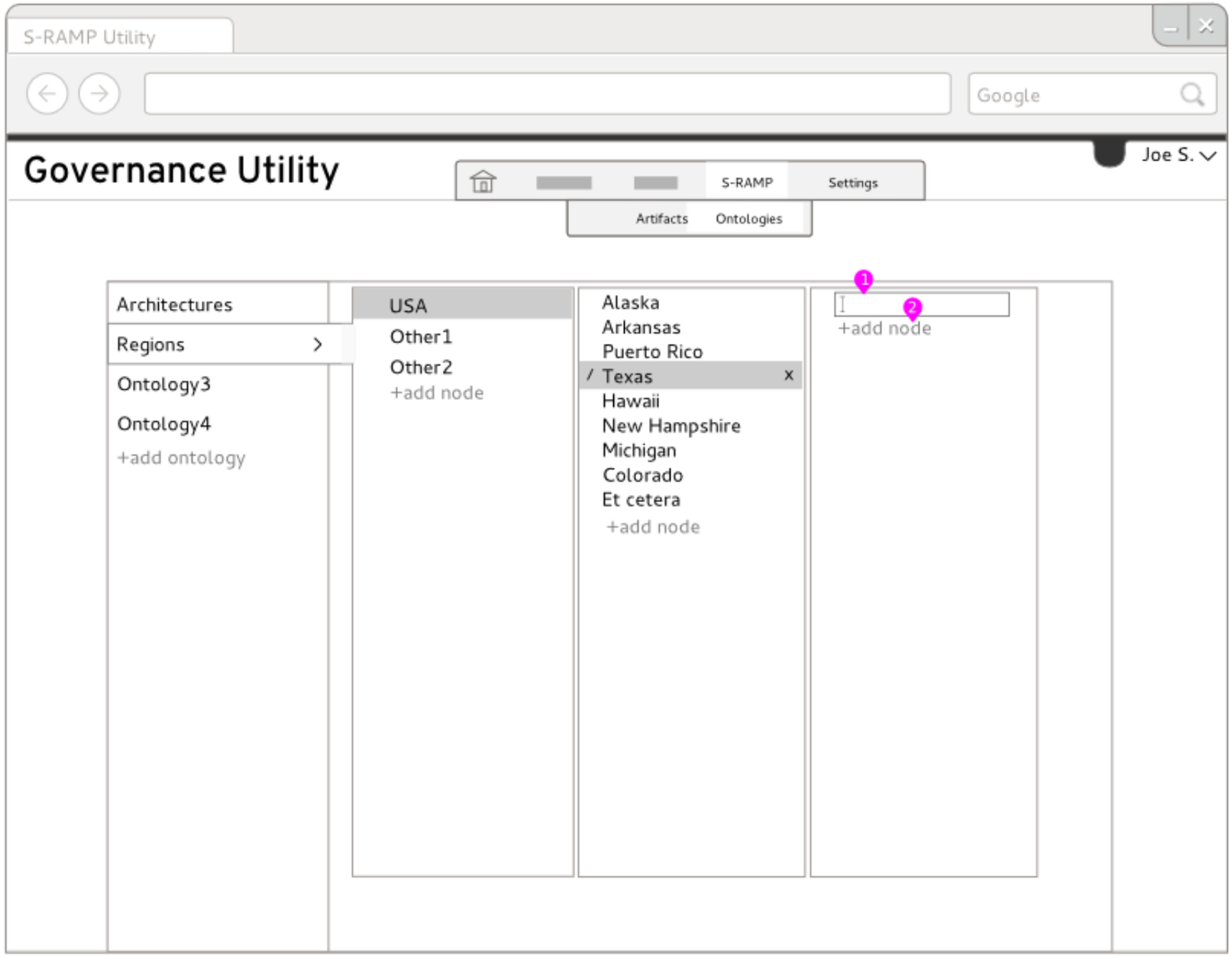


Exploring Ontologies

Users can delve deeper into the ontology and add levels

Notes

1. "Texas" is selected.
2. "Ghost" level appears, user may add new sub-nodes

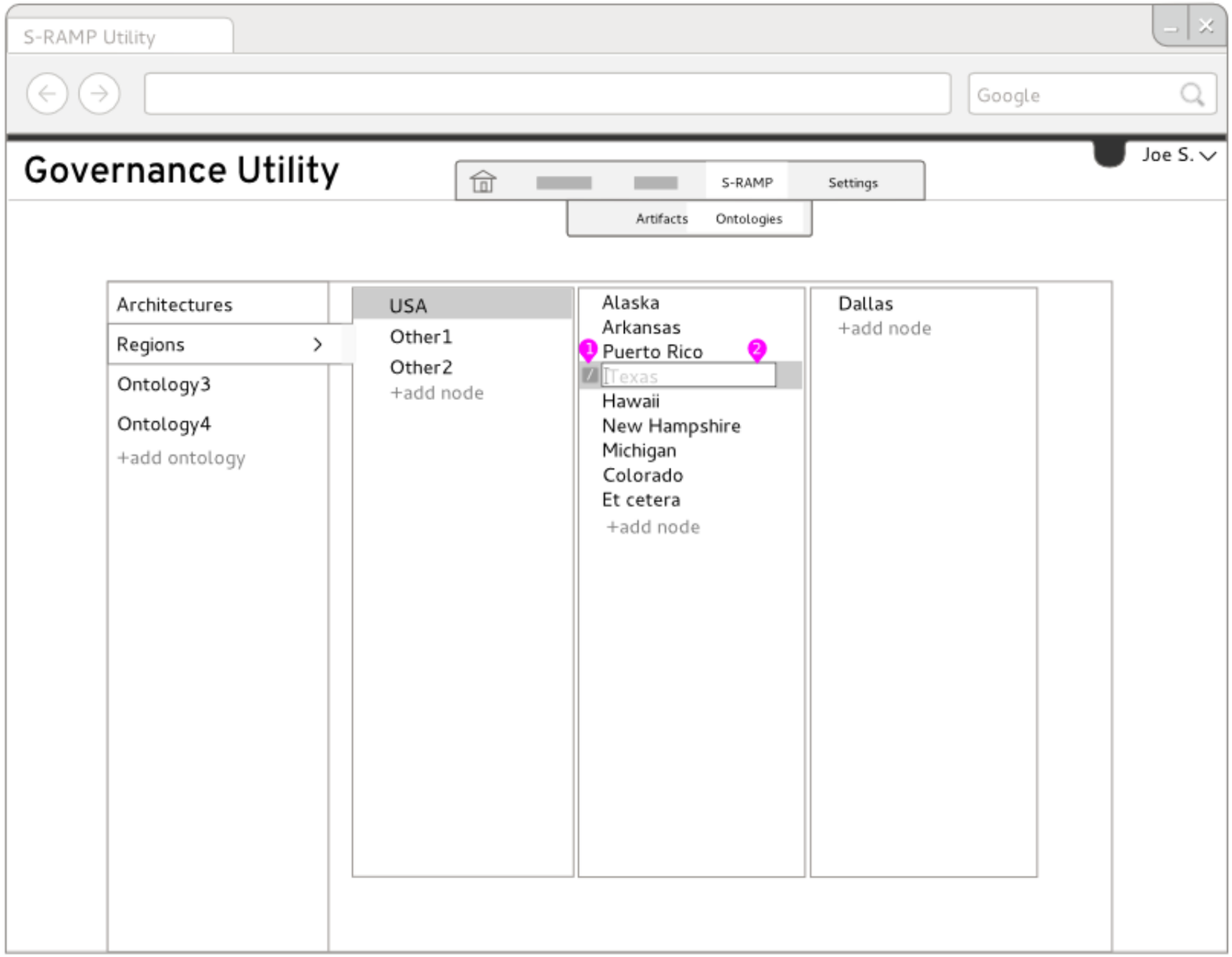


Adding Nodes and Levels

Users may add items and levels within the context of the table.

Notes

1. Clicking on "add node" will turn the field into a text box
2. The "add node" button will move down to the next line



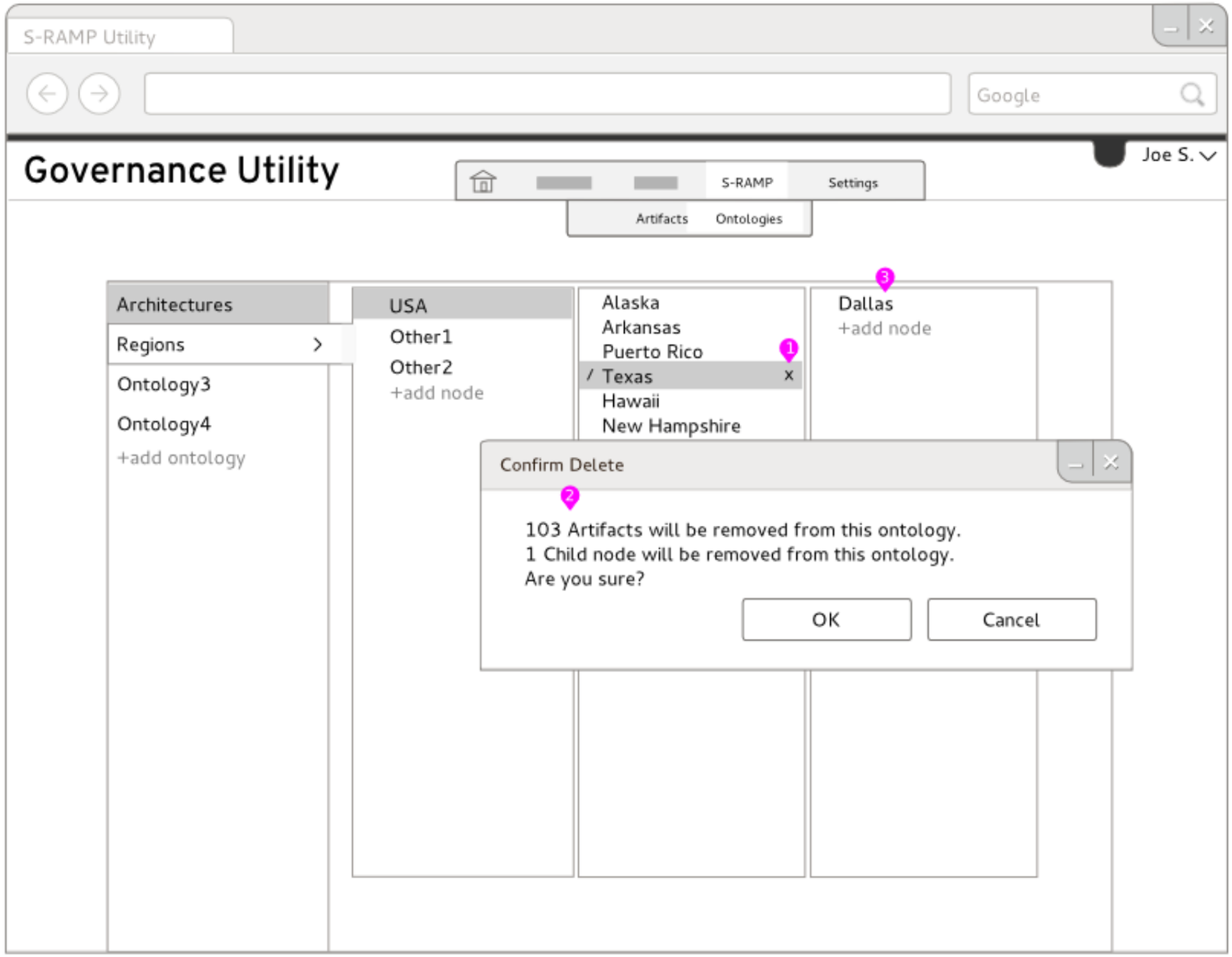
Edit Ontology Node Name

Nodes can be renamed inline.

Notes

1. Clicking on the pencil changes the field to a textbox. The pencil is a toggle button, and clicking it again will cancel the edit.

2. Removing input focus for the field will have 2 possible results:
   A) If user did not enter text, the old name will stay
   B) If the user ented text, the name will be replaced

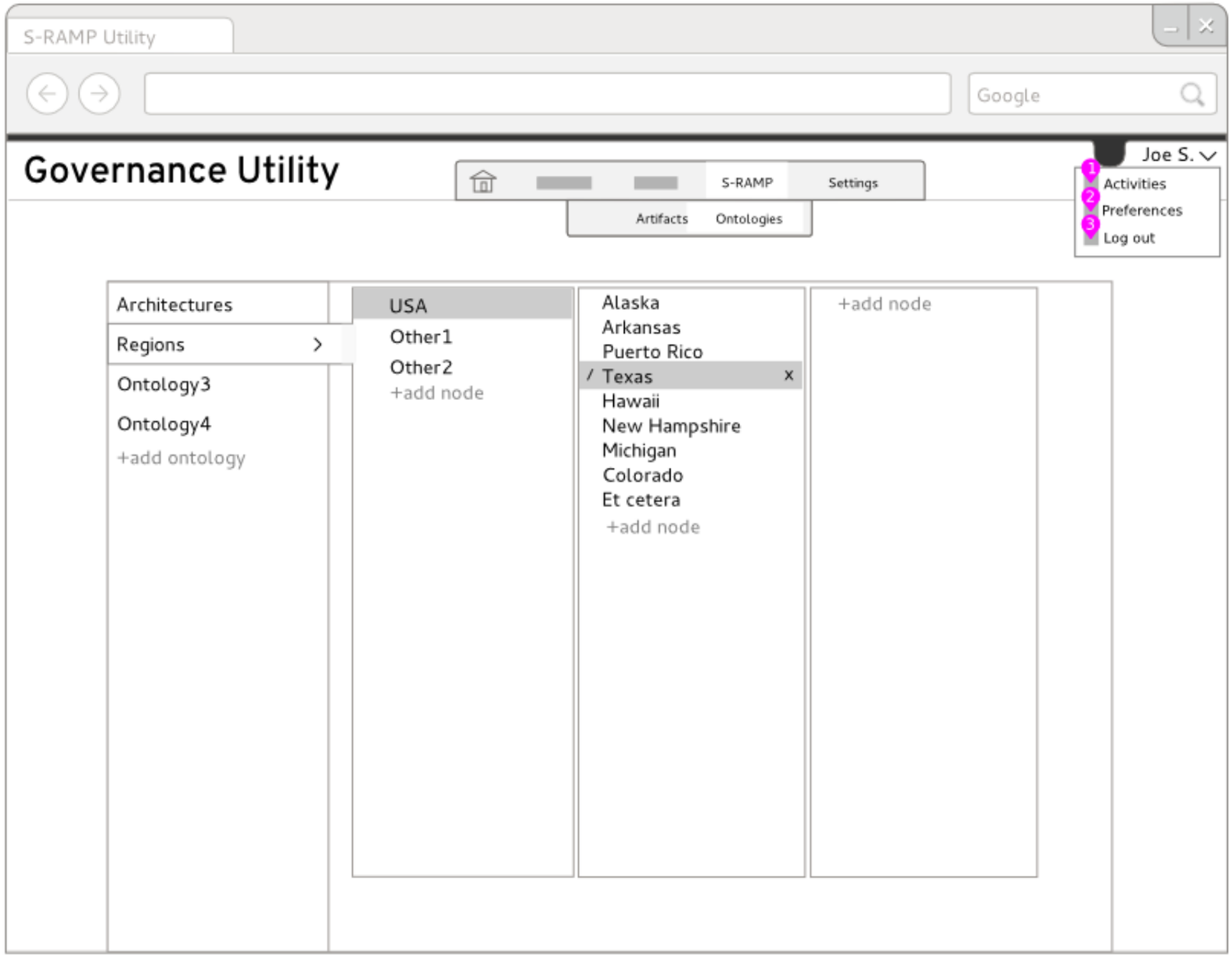


Delete an Ontology Node

This is where users can create and edit ontologies.

Notes

1. Clicking the X will have 2 possible results:
   A) Delete node if there are no references to it (or it's childern)
   B) Otherwise, show confirmation message.
2. Confirmation message shows the number of references (Artifacts and child nodes, as applicable)
3. If confirmed, all child nodes will also be removed.

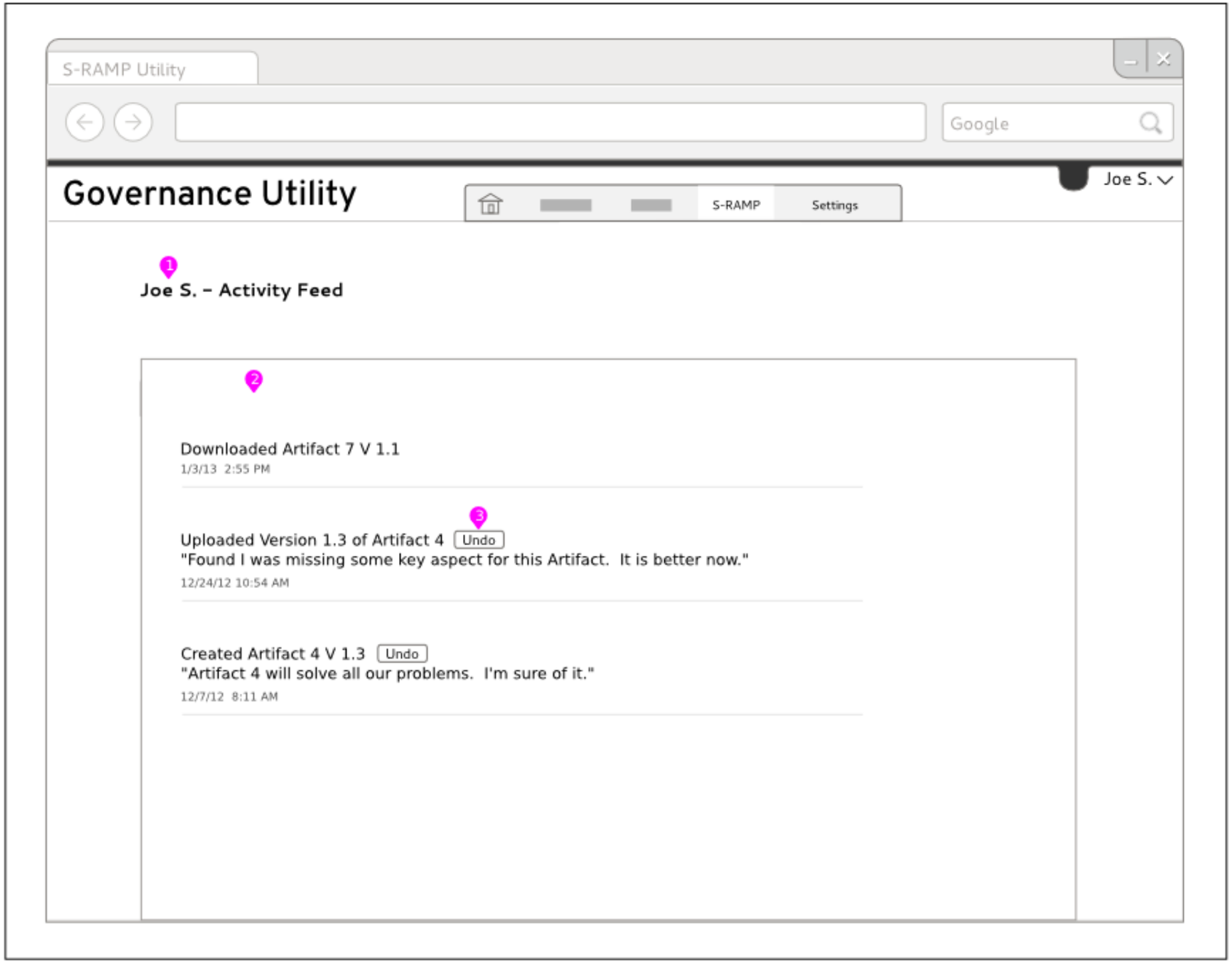


User Menu

The user can view and edit their preferences, activities, as well as log out of the system though this menu.

Notes

1. Activities - see pg. 11.2
2. Preference - not part of current spec - TBD
3. Log out - TBD



User Page: Activity Feed

A user can see, and potentially edit, their activites in S-RAMP..

Notes:

1. How do we show where this resides in the heirarchy?
2. Activites performed by the user, in reverse chronological order.
3. User may be able to undo previous actions done on artifacts, as long as they don't impact dependent artifacts.