



JCricket entity editor

Overview of the Share Family tool for manual linked data entity editing

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What JCricket *is*



- ✓ it's a linked data entity / authority editor
- ✓ it applies to linked data entities created within all tenants of the Share Family (svde.org, pcc-lod.org, natbib-lod.org)
- ✓ it's a manual application that manages properties (attributes, relations and links) of entities in the CKB - Cluster Knowledge Base
- ✓ it's a collaborative tool shared across member institutions
- ✓ it can be a new tool for copy cataloging in LOD

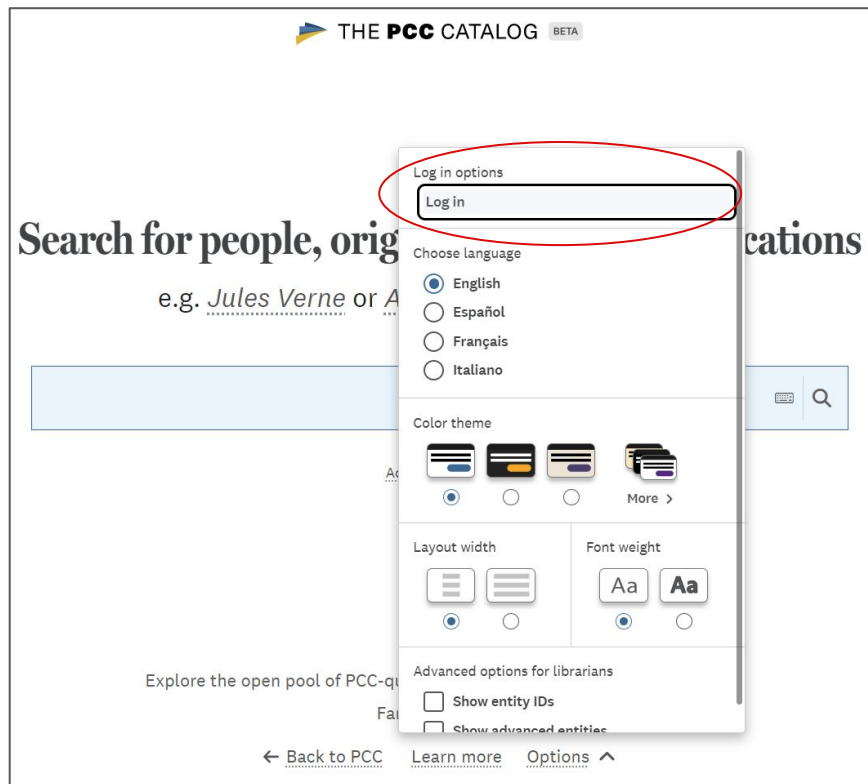
What JCricket *is not*



JCRICKET
Entity Editor

- ✗ not a traditional bibliographic data editor
- ✗ not an original cataloguing tool
- ✗ not in contrast with Sinopia or Marva
- ✗ not impacting original data that reside in member libraries' systems (unless libraries want to use ad hoc APIs for entity updates both in SVDE and in their systems)

What it does



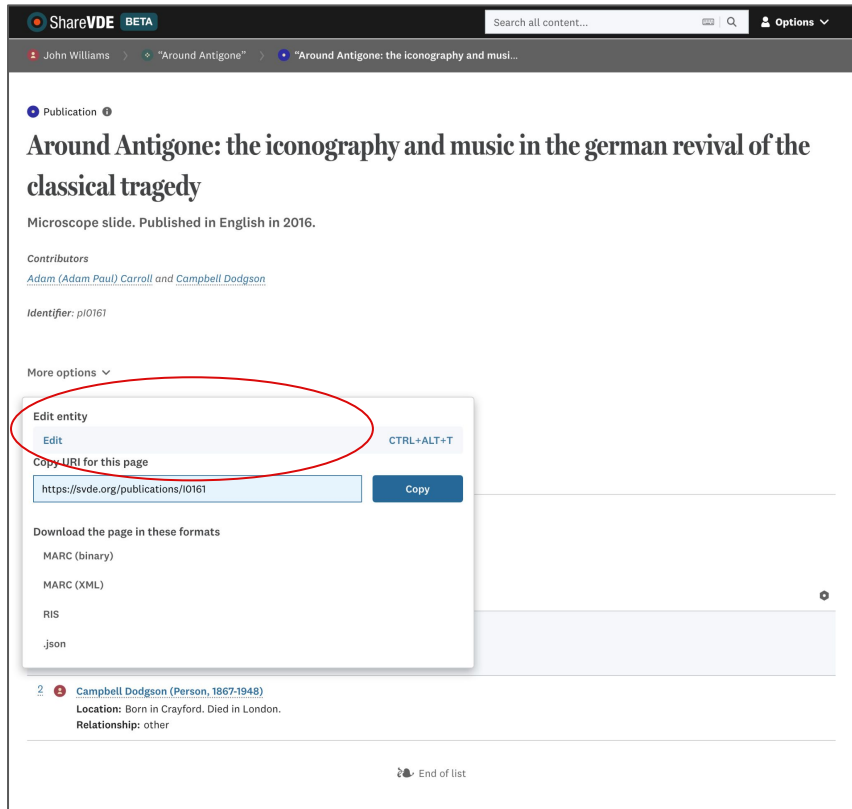
Integrated in the discovery portal web interface, **for authenticated users**

User types: **basic and advanced**

Entities aggregate data from different contributing libraries (aka Provenances):

★ **an entity is also called Prism**, where each face represents data coming from a given Provenance

What it does



The screenshot shows the ShareVDE interface. At the top, there's a search bar and navigation tabs. The main content area displays a publication titled "Around Antigone: the iconography and music in the german revival of the classical tragedy". Below the title, there's a description, contributors, and an identifier. A "More options" dropdown menu is open, showing an "Edit entity" button circled in red. Below this, there's a "Copy URL for this page" section with a text input field containing the URL "https://svde.org/publications/10161" and a "Copy" button. Further down, there's a "Download the page in these formats" section with options for MARC (binary), MARC (XML), RIS, and json. At the bottom, there's a list of entities, with the first one being "Campbell Dodgson (Person, 1867-1948)" with location and relationship details.



Edit function to change entities' properties

- ★ add, remove and amend attributes, relationships and links belonging to a single entity
- ★ real time notifications about cluster property changes



Merge function: reconcile multiple entities into one (e.g. two authors who are in fact the same person)

- ★ choose the properties to copy to the merged entity
- ★ multiple phases: create the merge list, edit the merge list, edit clusters, request for review, approve (or deny) the merge

What it does

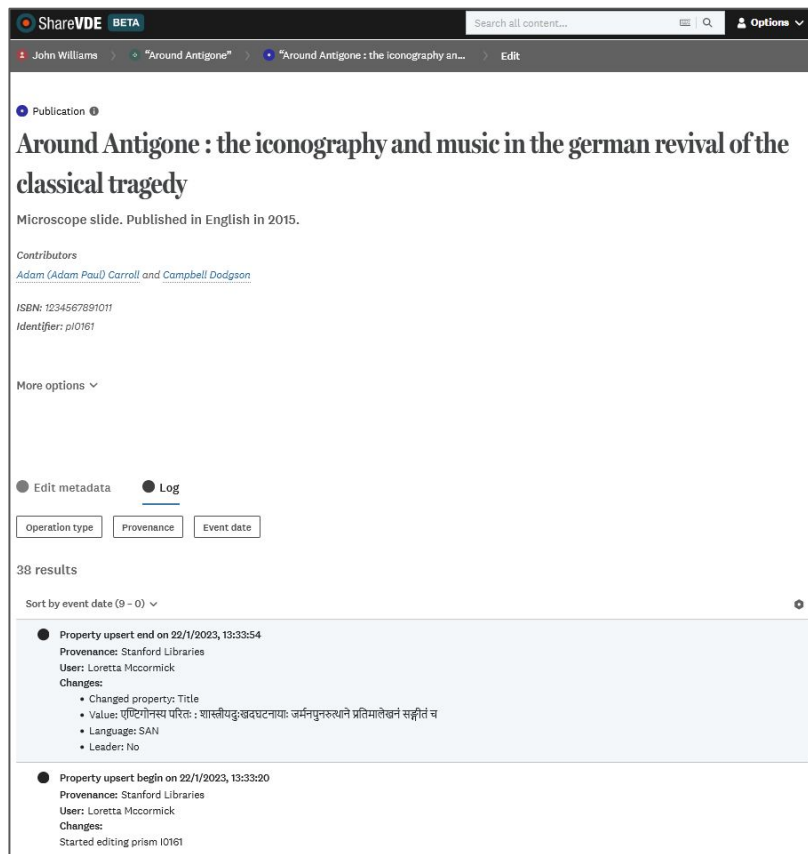
The screenshot shows the ShareVDE BETA interface. At the top, there is a search bar and an 'Options' menu. The breadcrumb trail indicates the user is editing a publication. The main content area displays the publication title, a description, contributors, and an identifier. Below this, there are tabs for 'Edit metadata' and 'Log'. The 'Edit metadata' tab is active, showing a form with four rows of metadata fields: Title, Publication year, Print/online, and Auction/exhibition. Each row has columns for the field name, Language (with a dropdown menu), Provenances (with a 'Select provenance' button), and Leader (with a radio button and a trash icon). At the bottom of the form, there are buttons for 'Add attribute', 'Cancel', and 'Save and close'.



Split and Create functions: move one or more properties between two entities; optionally create a new one

- ★ choose the properties to move from entities
- ★ properties can be moved from an entity to create a brand new one
- ★ multiple phases: create the split-set, edit the split-set, edit clusters, request for review, approve (or deny) the split

What it does



The screenshot shows the ShareVDE BETA interface. At the top, there is a search bar and navigation tabs for 'John Williams', '"Around Antigone"', and '"Around Antigone: the iconography an...'. The main content area displays a publication titled "Around Antigone : the iconography and music in the german revival of the classical tragedy". Below the title, it says "Microscope slide. Published in English in 2015." and lists contributors: "Adam (Adam Paul) Carroll and Campbell Dodgson". It also shows ISBN: 1234567891011 and Identifier: p10161. There are tabs for "Edit metadata" and "Log". Under the "Log" tab, there are buttons for "operation type", "Provenance", and "Event date". Below these buttons, it says "38 results" and "Sort by event date (9 - 0)". The log entries show property updates with details like provenance, user, and changes.

ShareVDE BETA

Search all content...

John Williams "Around Antigone" "Around Antigone: the iconography an..." Edit

Publication

Around Antigone : the iconography and music in the german revival of the classical tragedy

Microscope slide. Published in English in 2015.

Contributors
Adam (Adam Paul) Carroll and Campbell Dodgson

ISBN: 1234567891011
Identifier: p10161

More options

Edit metadata Log

operation type Provenance Event date

38 results

Sort by event date (9 - 0)

- Property `upaert: end` on 22/1/2023, 13:33:54
Provenance: Stanford Libraries
User: Loretta McCormick
Changes:
 - Changed property: Title
 - Value: एण्टिगोनस्य परिक्तः : शास्त्रीयदुःखदघटनायाः जर्मनगुनरुथाने प्रतिमातेखनं सङ्गीतं च
 - Language: SAN
 - Leader: No
- Property `upaert: begin` on 22/1/2023, 13:33:20
Provenance: Stanford Libraries
User: Loretta McCormick
Changes:
 - Started editing prism I0161



Review workflow: edits are reviewed by advanced editors

★ notifications to manage the review workflow



Dictionary API: what are the available cluster types? Which attributes belong to a cluster type? What cardinality? Which relationships?



Entity Event Log: tracks the history of changes



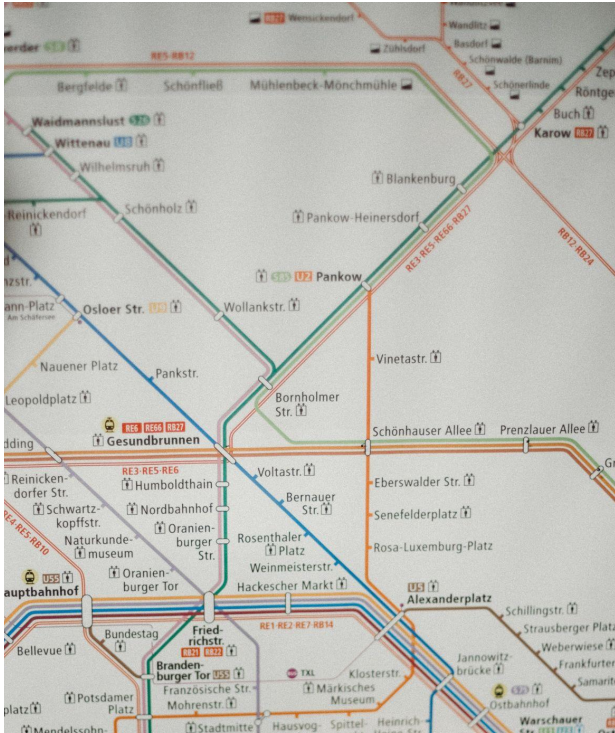
Data changes synchronization across SVDE storages (e.g. RDF Store, Search Engine, RDBMS)

Why JCricket is valuable



- ★ A **collaborative tool**, shared across the Share Family community and improving the data created within it
- ★ Linked data conversion in a shared discovery environment and **direct entity management** capabilities in one place
- ★ Increases **data quality** where massive automated processes are necessarily lacking
- ★ Collaboration ensures higher quality and **authoritativeness of data**
- ★ Conceived by **SVDE community of libraries**, ie. **real users**
- ★ Potentially **complementary to other tools**, e.g. Sinopia - as they cover different aspects of the entity management flow
- ★ Could potentially **support other workflows** and connections with systems external to the Share Family
- ★ You can always **track back to your data** through the Provenance
- ★ JCricket will extend authority capabilities through the integration with external data sources such as **Wikidata**

Where we are now



- ★ The back-end APIs that manage JCricket behind the scenes are ready ✓
- ★ The respective front-end functions for the end users to actually use JCricket are under development 🛠
 - early features from mid-February, for testing
 - progressive releases through 2023

Next generation cataloguing



The JCricket editor is an example of how Share-VDE technology, within the Share Family of initiatives, is pursuing a **new way of managing library cataloguing in a cooperative way:**

- ★ aggregation of data from multiple sources
- ★ managed through standard protocols (linked data)
- ★ in a collaborative and integrated environment
- ★ that makes available open data and resources
- ★ to end users and professionals (researchers, scholars etc.)
- ★ for reuse in the library community and beyond

References

Useful references:

- [https://wiki.share-vde.org/w/images/c/c7/Share Family data flow.pdf](https://wiki.share-vde.org/w/images/c/c7/Share_Family_data_flow.pdf)
- for more technical details on JCricket
[https://wiki.share-vde.org/w/images/e/e8/JCricket entity editor presentation.pdf](https://wiki.share-vde.org/w/images/e/e8/JCricket_entity_editor_presentation.pdf)
- on how JCricket has been conceived
[https://wiki.share-vde.org/w/images/b/b3/Share-VDE perspective on Cluster Knowledge Base and Provenance.pdf](https://wiki.share-vde.org/w/images/b/b3/Share-VDE_perspective_on_Cluster_Knowledge_Base_and_Provenance.pdf)
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