



JCricket entity editor

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

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<https://share-family.org>
<https://wiki.svde.org>

What JCricket *is*



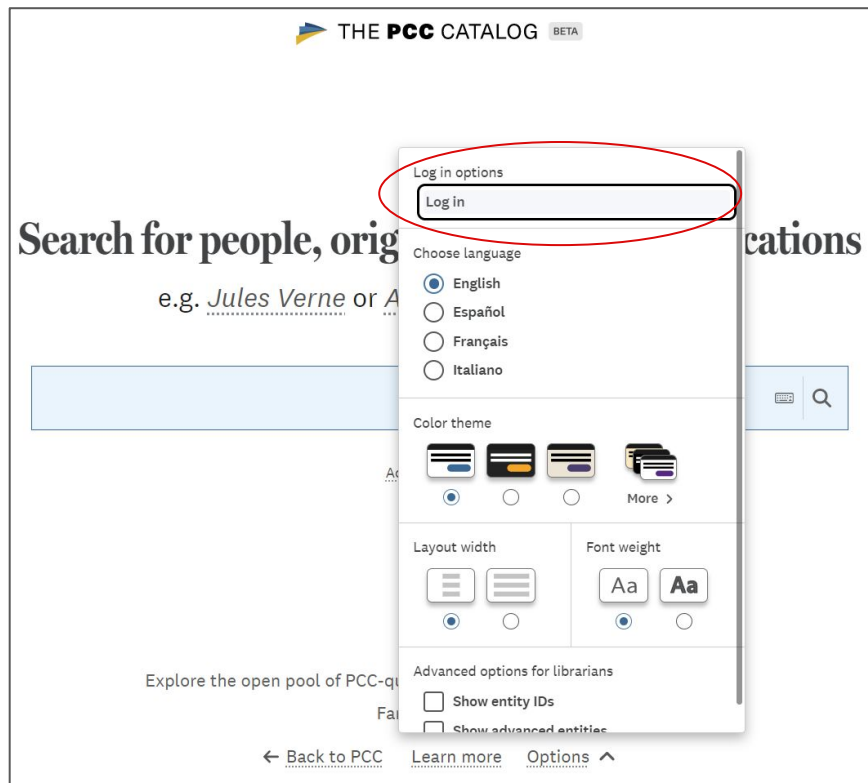
- ✓ it's a linked data entity / authority editor
- ✓ it applies to linked data entities created within all tenants of the Share Family (svde.org, pcc-lod.org, natbib-lod.org)
- ✓ it's a manual application that manages properties (attributes, relations and links) of entities in the CKB - Cluster Knowledge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

What JCricket *is not*



- ✗ 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



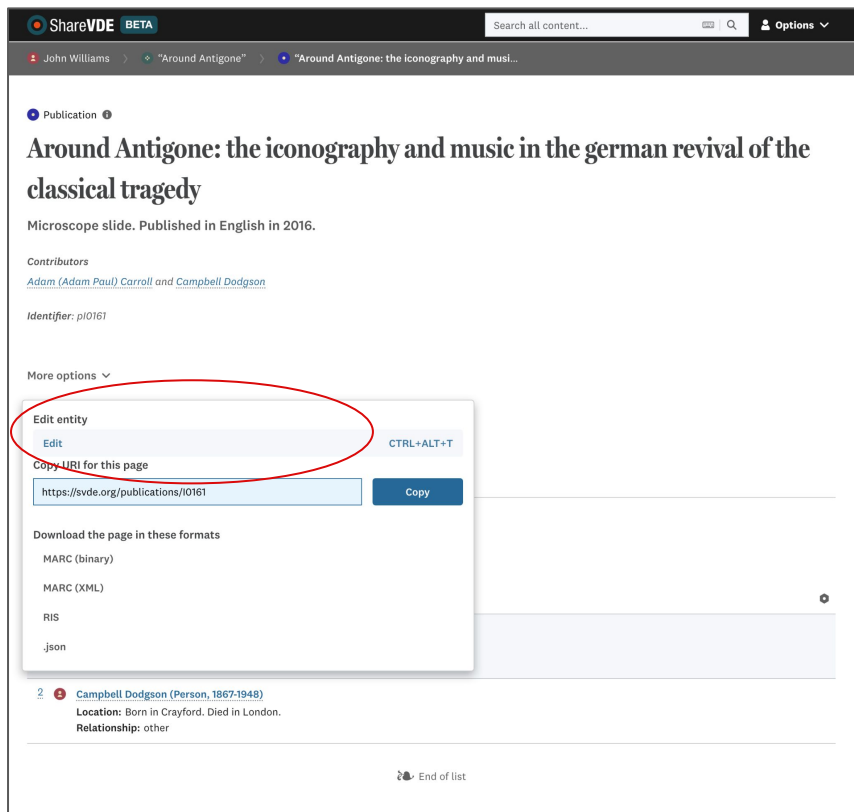
Integrated in the discovery portal web interface, **for authenticated users**

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 BETA web application. The top navigation bar includes the logo, a search bar, and user options. The main content area displays a publication titled "Around Antigone: the iconography and music in the german revival of the classical tragedy" by Adam (Adam Paul) Carroll and Campbell Dodgson. A red circle highlights the "Edit entity" button in the "More options" dropdown menu. Below this, there is a "Copy URI for this page" section with a text box containing the URL "https://svde.org/publications/10161" and a "Copy" button. Further down, there is a "Download the page in these formats" section with links for MARC (binary), MARC (XML), RIS, and json. At the bottom, there is a list of entities, including "Campbell Dodgson (Person, 1867-1948)" with details on location and relationship.



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' web interface. At the top, there's a search bar and an 'Options' menu. The breadcrumb trail indicates the user is viewing a publication by John Williams, titled 'Around Antigone', and is currently editing its metadata. The main content area displays the publication title, a description ('Microscope slide. Published in English in 2015.'), contributors (Adam (Adam Paul) Carroll and Campbell Dodgson), and an identifier (p10161). Below this, there's a 'More options' dropdown. The 'Edit metadata' tab is active, showing a form with four sections: Title, Publication year, Print/online, and Auction/exhibition. Each section has input fields for the value, a dropdown for Language (all set to 'Undefined'), a dropdown for Provenances (all set to 'Select provenance'), and a radio button for Leader (all set to the first option). There are also icons for adding, deleting, and copying attributes. At the bottom, there are buttons for 'Add attribute', 'Cancel', and 'Save and close'.

ShareVDE BETA

Search all content...

John Williams > "Around Antigone" > "Around Antigone : the iconography and music in the german revival of the classical tragedy" > 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

Identifier: p10161

More options

Edit metadata Log

Title *

Around Antigone : the iconography and music in the german revival of t

Language

Undefined

Provenances

Select provenance

Leader

Publication year

2015

Provenances

Select provenance

Print/online *

7274

Language

Undefined

Provenances

Select provenance

Leader

Auction/exhibition

exhibition

Language

Undefined

Provenances

Select provenance

Leader

Add attribute

Cancel

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 web interface. At the top, there's a navigation bar with the ShareVDE logo, a search bar, and an options menu. Below the navigation bar, the breadcrumb trail shows the user's path: John Williams > "Around Antigone" > "Around Antigone : the iconography an...". The main content area displays the publication details for "Around Antigone : the iconography and music in the german revival of the classical tragedy". It includes the author "Adam (Adam Paul) Carroll and Campbell Dodgson", the ISBN "1234567891011", and the identifier "pi0161". There are tabs for "Edit metadata" and "Log", with the "Log" tab currently selected. Below the tabs, there are buttons for "Operation type", "Provenance", and "Event date". The "Log" tab shows 38 results, sorted by event date (9 - 0). The first two log entries are visible: "Property upsert end on 22/1/2023, 13:33:54" and "Property upsert begin on 22/1/2023, 13:33:20".

ShareVDE BETA

Search all content...

Options

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: pi0161

More options

Edit metadata Log

Operation type Provenance Event date

38 results

Sort by event date (9 - 0)

- Property upsert end on 22/1/2023, 13:33:54
Provenance: Stanford Libraries
User: Loretta McCormick
Changes:
 - Changed property: Title
 - Value: एपिगोनस्य परितः : शास्त्रीयदुःखदृष्टवाप्याः जर्मनगुनरुक्मिणी प्रतिमालेखनं सम्पूतं च
 - Language: SAN
 - Leader: No
- Property upsert begin on 22/1/2023, 13:33:20
Provenance: Stanford Libraries
User: Loretta McCormick
Changes:
 - Started editing priam 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)

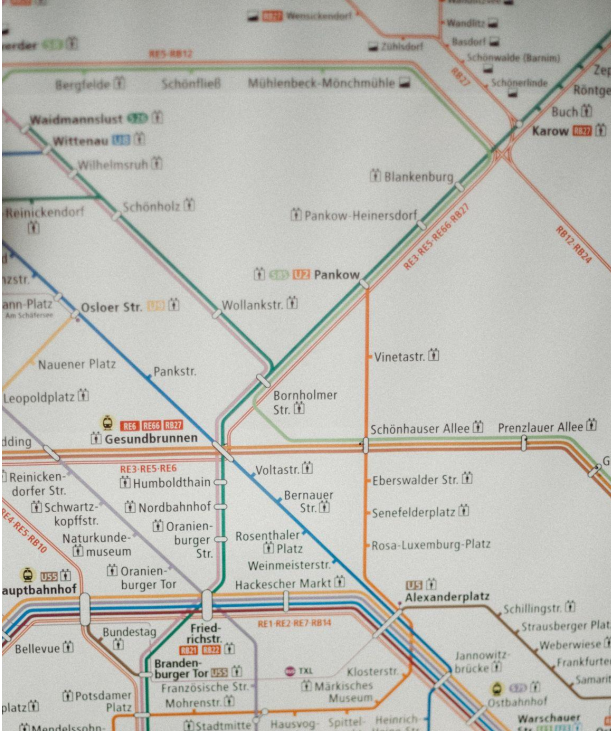


Why JCricket is valuable



- ★ 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 and Share Family community**, 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 🛠
 - progressive releases through 2023

Next generation cataloguing



The JCricket editor is an example of how the LOD Platform technology, within the Share Family Linked Data Ecosystem, 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
- for more technical details on JCricket
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
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