Towards Research Object Crates 1.2, with ro-crate-java

Set your own constraints to Research Object Crates

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Research Object Crate (RO-Crate) [1] is an open, community-driven data package specification to describe all kinds of file-based data, as well as entities outside the package, using JSON-LD. This makes the RO-crates flexible and machine-readable. Several libraries exist to support the creation of crates. We are developing ro-crate-java in order to allow integration into Java (and Java-compatible) applications. It aims to guide the user into making valid, well-described crates.

Profiles allow adding further constraints to the content of the crate. The draft for the new version 1.2 [2] allows specifying multiple profiles per crate. This is now supported in our Java library, ro-crate-java, starting from version 1.1.0. With this draft, we see further potential for our existing validation functionality based on JSON-Schema, as well as new guiding functionality for creating profiles.

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[1] https://www.researchobject.org/ro-crate/1.1/

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Take a look documentation and code of ro-crate-java!