

Dependency management of a project

<https://github.com/eclipse/sw360/issues/1538>

Issues with linking a release with a release/s

- Over the time dependency tree will increase
- Eg: react framework has around 10000 component and can easily create a cyclic dependency
- Proposed changes in issue 1538, require lots of additional changes with existing API.
- linked releases/transitive dependencies can vary for the same release.
 - So multiple releases of same component can get linked with a particular release, and this may require additional attention.

Alternative solution/s

1. Project level storage,
 1. Link transitive releases at project level with the corresponding release
2. Create a new db/document to store the relation/s

Benefits :

- No changes in component and release functionality/API.
- Minimal changes at project level

Migrating existing data :

- Loop through the existing projects,
 - Fetch the release data for relation and store it in the new document/db.
 - Delete the linked releases from release document.