

DONE

ACS Smart Pointers for components are based on loki library and the problem is that this is an old library providing support for smart pointers not officially offered by C++ or Boost years ago. The problem is that the support for this library was discontinued and it is becoming a legacy software in ACS. These days both Boost and the standard C++ library are providing different implementations of smart pointers, hence it would make sense to migrate the existing smart pointers to one of the implementations offered by them.

- Use existing classes copied from Loki and modernize where required (Internal lock mechanism to `std::shared_ptr`)
- Create an extension of `std::shared_ptr` and `std::weak_ptr` which fulfills the required tasks
- Make use of standard `std::shared_ptr` and `std::weak_ptr` and assign custom deleters where appropriate

The implementation is ultimately based on the third alternative respecting the standard API and allowing for a smoother use by the community. The implementation is marked for 2022APR release. Details can be found in the ticket:



ICT-19829 - Jira project doesn't exist or you don't have permission to view it.