Authorization requirements

Proposal based

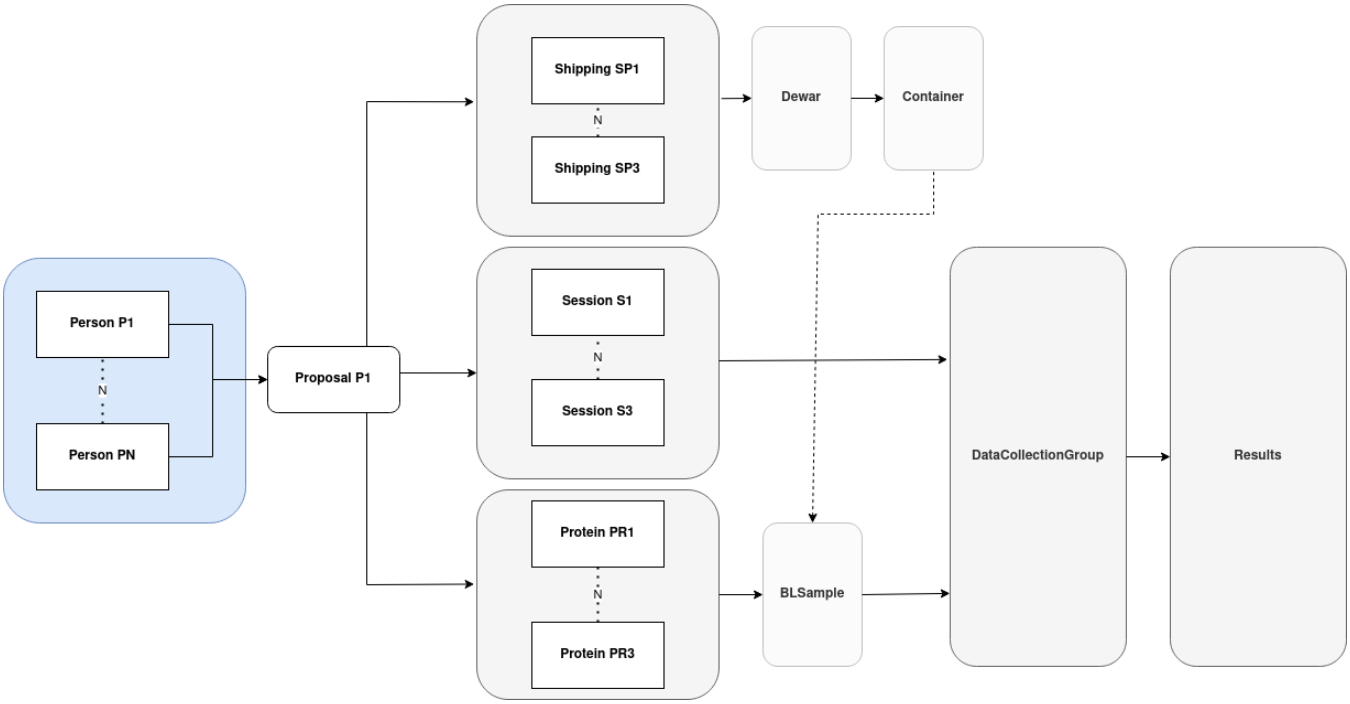
Any user of a proposal have access to any entity related to the proposal. It includes shipping, sessions, proteins and the data related to the data acquisition and results.

The current ISPyB implementation is proposal based and it is the one used by other facilities as ALBA, MAXIV and EMBL. SOLEIL has the same software however, in order to provide confidentiality for BAGs then they are population the Proposal table with Sessions.

Users are attached to a proposal (via ProposalHasPerson Table). Once a user is attached to a proposal then he has access to:

- Shipments: via Shipping.proposalId
- Protein: via Protein.proposalId
- BLSession: via BLSession.proposalId

The following diagram shows how people have access to the proposal. Any user of the proposal have access to all the entities related to it.



This mechanism has been used over the last 20 years with no major inconvenient however the use of BAG and the requirements of keep the sessions confidential means that this model might not be valid any more. The long term strategy at the ESRF is increasing the use of BAG because they are identified as the most effective way to manage experiments It reduces paper work and optimizes beam time.

Session Based

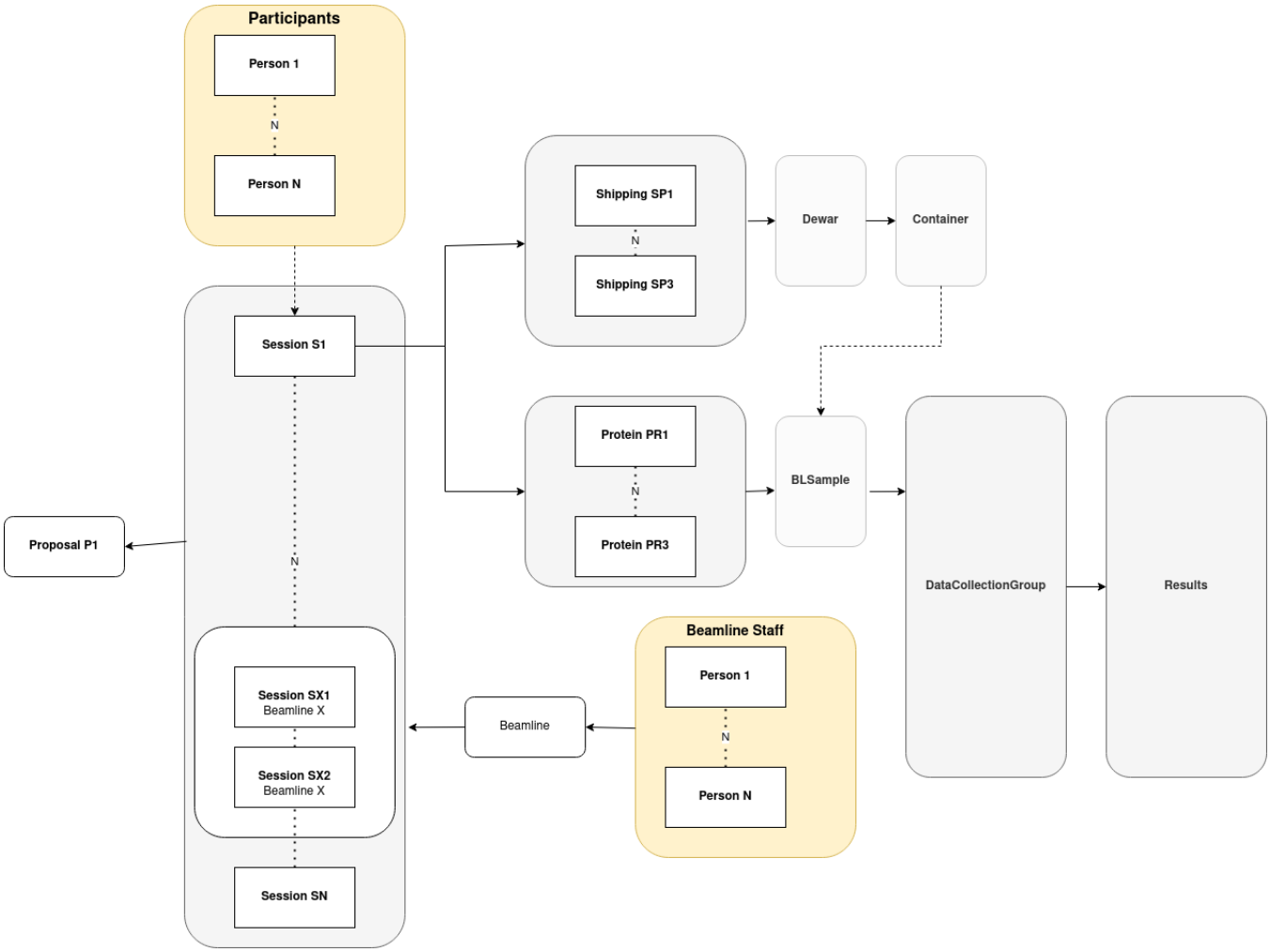
The session based authorization consists on give permissions per session instead of proposal. Participants from different sessions do not share data, shipments or samples.

The session based authorization is inline with the user portal and keeps the data confidential within proposal. Specially for BAGs, samples and results are not shared between the members of a proposal.

The following diagram shows that the participants of an experiment (session or visit) have access uniquely to the entities related to that session.

Example: a participant of the Session S1 can not see the samples of the whole proposal, only the samples that will be collected on Session S1

It also illustrates the use case for Beamline Staff where staff of a beamline need to have access to all experiments performed in the beamline.


Participants
Person 1
N
Person N
Shipping SP1
N
Shipping SP3
Dewar
Container
Session S1
Protein PR1
N
Protein PR3
BLSample
DataCollectionGroup
Results
Proposal P1
N
Beamline Staff
Person 1
N
Person N
Session SX1
Beamline X
Session SX2
Beamline X
Beamline
Session SN