

Init1dbw4 - MD Anderson Federated Registries

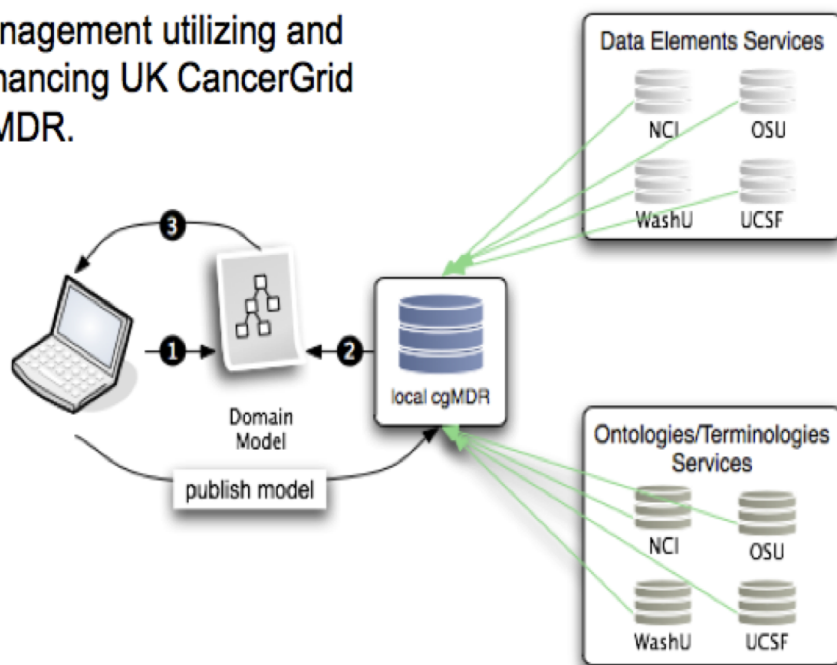
Pre Interview:

Item	Information/Response
Date:	12/10/2009
Requirement # unique id:	Init1dbw4
Originator/Customer's Name:	Michael Riben
Originator/Customer's Company:	MD Anderson
Stakeholder Community: Enter appropriate category of stakeholder from Primary Stakeholders: • Software and Application designers and architects • Software and Application engineers and developers • Scientific and medical researchers • Medical research protocol designers • Clinical and scientific research data and metadata managers • Clinicians • Patients • Medical research study participants • Broader Stakeholders: caBIG® Community WS NIH projects and related commercial COTS vendors (caEHR, SDO's (HL7, CDISC); International Collaborators (e.g. NCRI, cancerGrid, China), Government and regulatory bodies (FDA, CDC, ONC) (link to view SemConOps Stakeholders description).	caBIG® Community WS Projects

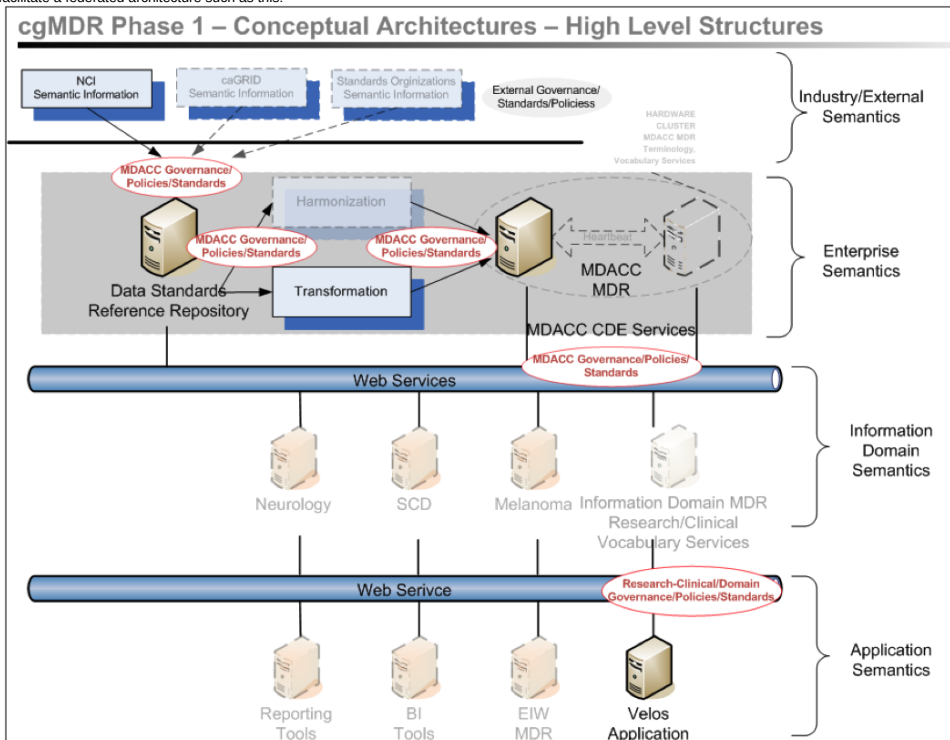
Summary of requirement pre-interview, by Reviewer:

MD Anderson is one of potentially many cancer research organizations that will be adopting non-caBIG technologies in order to meet their research and enterprise goals. However, it is highly desirable to adopt caBIG/NCI metadata standards in order to be able to share data and build interoperable systems. The challenge is that there is a need to develop localized data elements and terminologies that are not centrally managed at NCI. Different departments, labs, clinics, etc. within the research organization desire to maintain ownership of their metadata while still reusing common standards whenever possible. Therefore, the proposal is to federate the metadata infrastructure such that different organizations, departments, labs, software applications, etc. can maintain their own metadata while standards flow both top-down and bottom-up. The current semantic infrastructure at NCI is not amenable to this type of federated model. The caDSR has not been designed in a fashion that would allow other organizations to deploy their own caDSR and have data flow between the instances. MD Anderson is proposing to leverage and extend the cgMDR project in order to pilot federation of metadata management at their organization.

- Federated semantic metadata management utilizing and enhancing UK CancerGrid cgMDR.



This would facilitate a federated architecture such as this:



See the [VCDE:attached presentation](#) for more information. All users of the semantic infrastructure would be effected by these requirements.

Recommended Next Step Enter one: Follow-up interview, Observe, Use Case Template (text), Use Case Model (formalized/UML diagram), Group Discussion, Prototype, Waiting Room

Follow-up Interview