



Velos Grid Services

Federation of research databases in the clinical domain is a rarity, as it is both complex and expensive ...

Now a unique approach to software architecture and development offers this solution, affordably and without compromise.

Velos eResearch Product Line

- Velos eResearch
- Account Management
- Study Setup
- Data Management
- Patient Management
- Reports & Ad-Hoc Queries

- Velos eClinical
- Velos eFinancials
- Velos ePortal
- Velos eIRB
- Velos eSample
- Velos eCardio
- Velos eOncology
- Velos eTools

Technology-based Services

- Velos Grid Services
- Velos Interface Engine

Contact Information

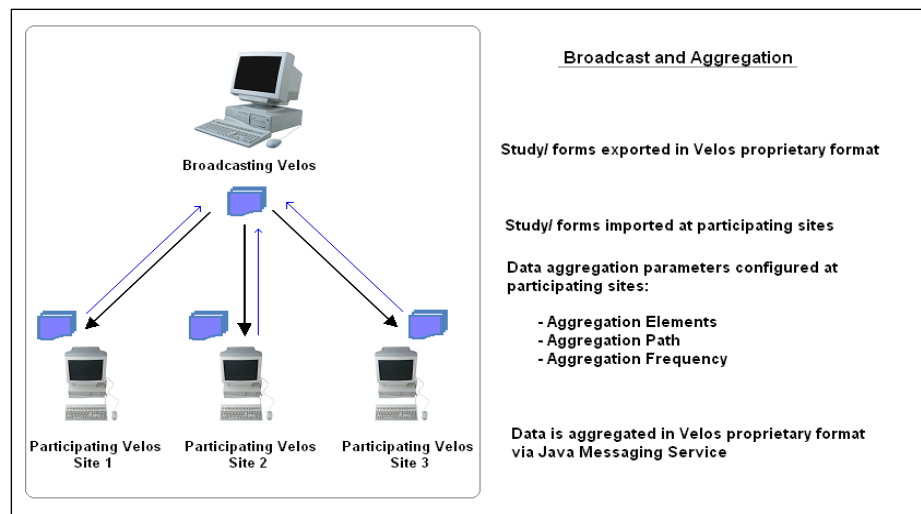
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Velos is helping to transform clinical trials system infrastructure to a model that empowers investigators, researchers, and healthcare providers with greater control, outreach and efficiency in the conduct of clinical research. In doing so, Velos seeks to help complete an information supply chain that connects investigators, sponsors, and patients in an integrated system approach that is much more efficient for all participants than the current one-off approach to clinical research fulfillment.

Because of the multi-centered nature of clinical trials, the need often arises for data and processes designed or acquired in one organization to be replicated or moved to other locations. Such movement may include data and workflow related to a research protocol as well as study subject or patient information collected for a protocol. Databases that connect such disparate databases are called federated databases. Many such federal databases result information grids. Internet services than operate such grids Velos calls grid services.

The Velos Grid Service architecture has the following essential components:

- The 'Broadcasting Velos' site and associated configurations and mappings
- The 'Participating Velos' site(s) and associated configurations and mappings
- The communication channels





Key Considerations

In architecting solutions for federation, Velos has worked to ensure:

1. Security and Identity Management

Regardless of where research data is federated, security considerations based on regulatory and ownership issues for that data are persistent in the Velos architecture.

2. Transparency

Federation in Velos is transparent, and all sources appear to the user as a single system.

3. Functionality

All functionality in the system is made available to the users at each node of this model.

4. Extensibility

Functional extensibility, including new workflows or additional forms or attributes for data, is fully deployable for all federated data.

5. Autonomy for data sources

By their very nature, data sources in research remain autonomous, and no aspect of federation in Velos impinges upon their autonomy.

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