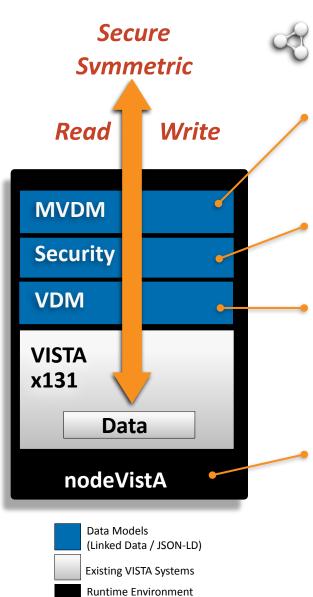
VistA Data Project Prototype

Executive Summary of Prototype Deliverable (End 2016)

What will the prototype validate feasibility of?

A Secure, Symmetric Read/Write Data Model for VA's VISTA Systems



Linked data model:

- Industry-standard, machine-processable, web data model. Uses the JSON-LD serialization.
- All VISTA data models are represented in this form.

Master VistA Data Model (MVDM):

- Subset of VDM normalized across different VDMs
- Incorporates all Security Model features.
- Incorporates all symmetric read/write features from VDM

Security Model:

Provides on-the-data, patient-centric attribute-based access control (ABAC) "data aware" security

VistA Data Model (VDM):

- Comprehensively represents all data from local VISTA in web-standard, computable form.
- Model is supplemented with metadata from multiple sources to provide all writeback logic and validation.
- Provides symmetric read/write against the local VISTA (read model = write model)

Runtime environment (nodeVISTA)

- Industry-standard server-side Node.js / Javascript runtime directly on VISTA database.
- Licensed, approved, and installed enterprise-wide in VA already (installed automatically with all Intersystems Cache licenses)
- Scalable and proven in largest commercial sites with millions of end users.
- Packages developed in JavaScript run on server-side nodeVistA

To find more about background, technical details, documentation, or deliverables see:

(Javascript / Node.js)