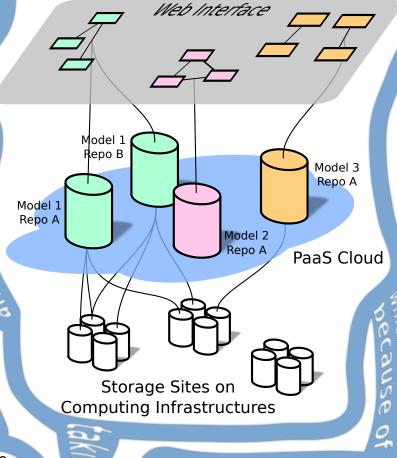
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- » providing means for ad-hoc metadata model creation and deployment of corresponding storage facilities (without specialized knowledge of metadata notations such as RDF, XML or OWL)
- » creating a research space for metadata model exchange and discovery with associated data repositories with access restrictions in place
- » supporting different types of storage sites and data transfer protocols
- » custom CloudFoundry environment was setup as a PaaS platform to ensure quick deployments of required application and storage services
- » preliminary schema for metadata model creation was elaborated and is being evaluated for NoSQL storage service MongoDB
- » prototypes of storage site access libraries were implemented and tested

» Web Interface is used by users to create, extend and discover metadata models » model repositories are deployed in the PaaS **Cloud** layer for scalable and reliable access from computing nodes through REST interfaces » data items from **Storage Sites** are linked from the model repositories



» build and deploy a web-based tool to create, discover and manage data models

- » integrate storage site access libraries in a web application for convenient data access
- » support various types of metadata storage services to fulfill different application requirements

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Cloud Foundry Web Site: http://www.cloudfoundry.com