

iRODS

— CONSORTIUM —

The iRODS-GridFTP DSI A Nucleus for Collaboration

*Presented at GlobusWorld 2015
by Dan Bedard
Executive Director, iRODS Consortium
April 14-15, 2015*

What is iRODS?

iRODS is the underlying technology for the world's preeminent genomic research institutes. iRODS is an infinitely configurable data janitor. iRODS is the kind of technology you need to host everyone's unstructured data. iRODS is a powerful data migration tool. iRODS is the technology that underpins the iPlant Data Store. iRODS is a data preservation technology. iRODS is a fundamental technology for CineGrid. iRODS is a tool for providing fine-grained privacy and security controls. iRODS is extensible: iRODS has command-line clients, APIs for numerous programming languages, and web clients. iRODS supports new plug-ins for storage resources, authentication mechanisms, microservices, and network prot

iRODS is open source data grid middleware for...

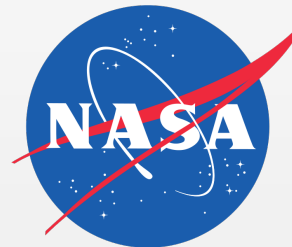
- Data Virtualization
- Data Discovery
- Workflow Automation
- Secure Collaboration

The iRODS Consortium

- Membership
- Consulting Services, Training, and Advanced Support
- Third Party Partners



MAX-PLANCK-GESELLSCHAFT



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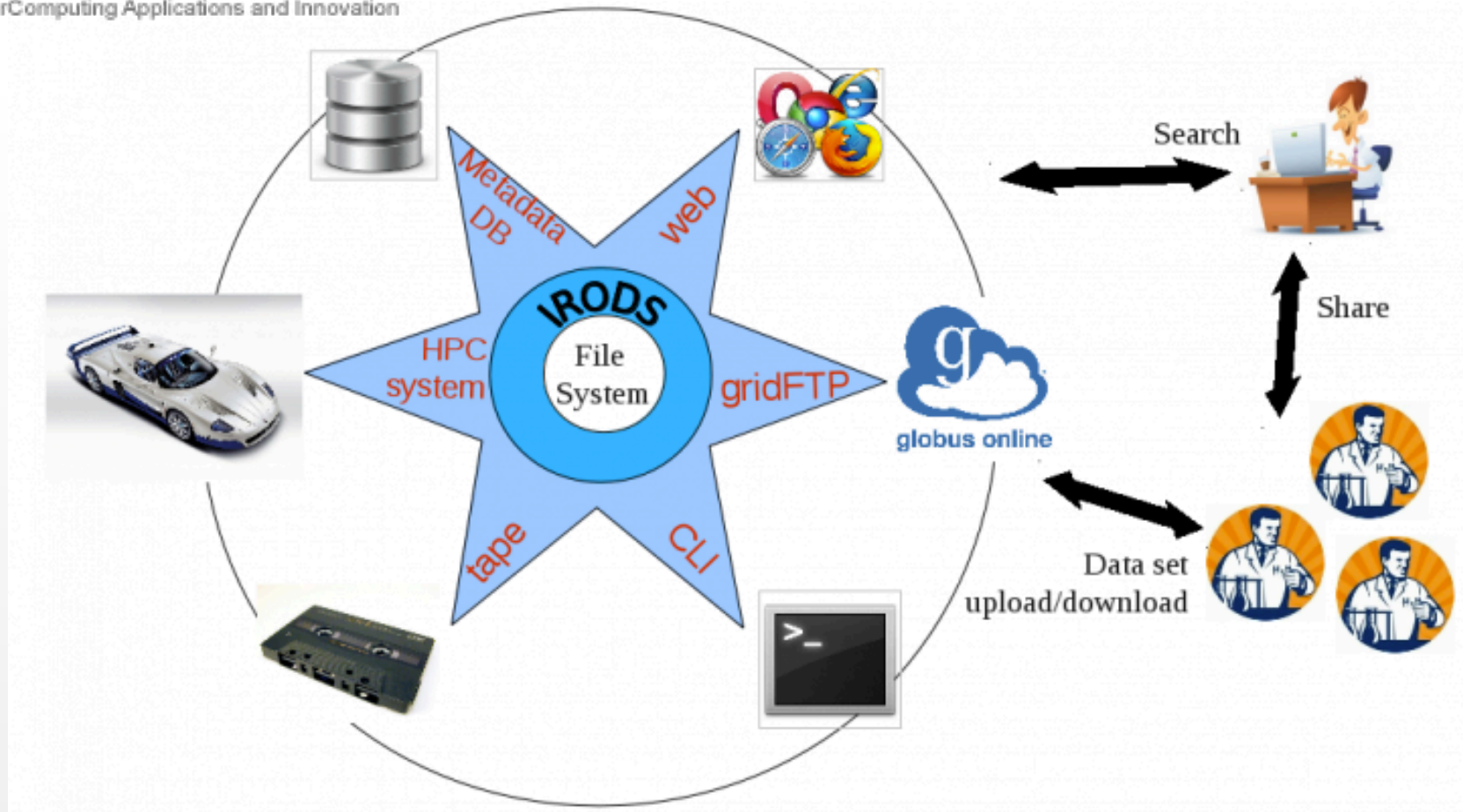
Uses iRODS

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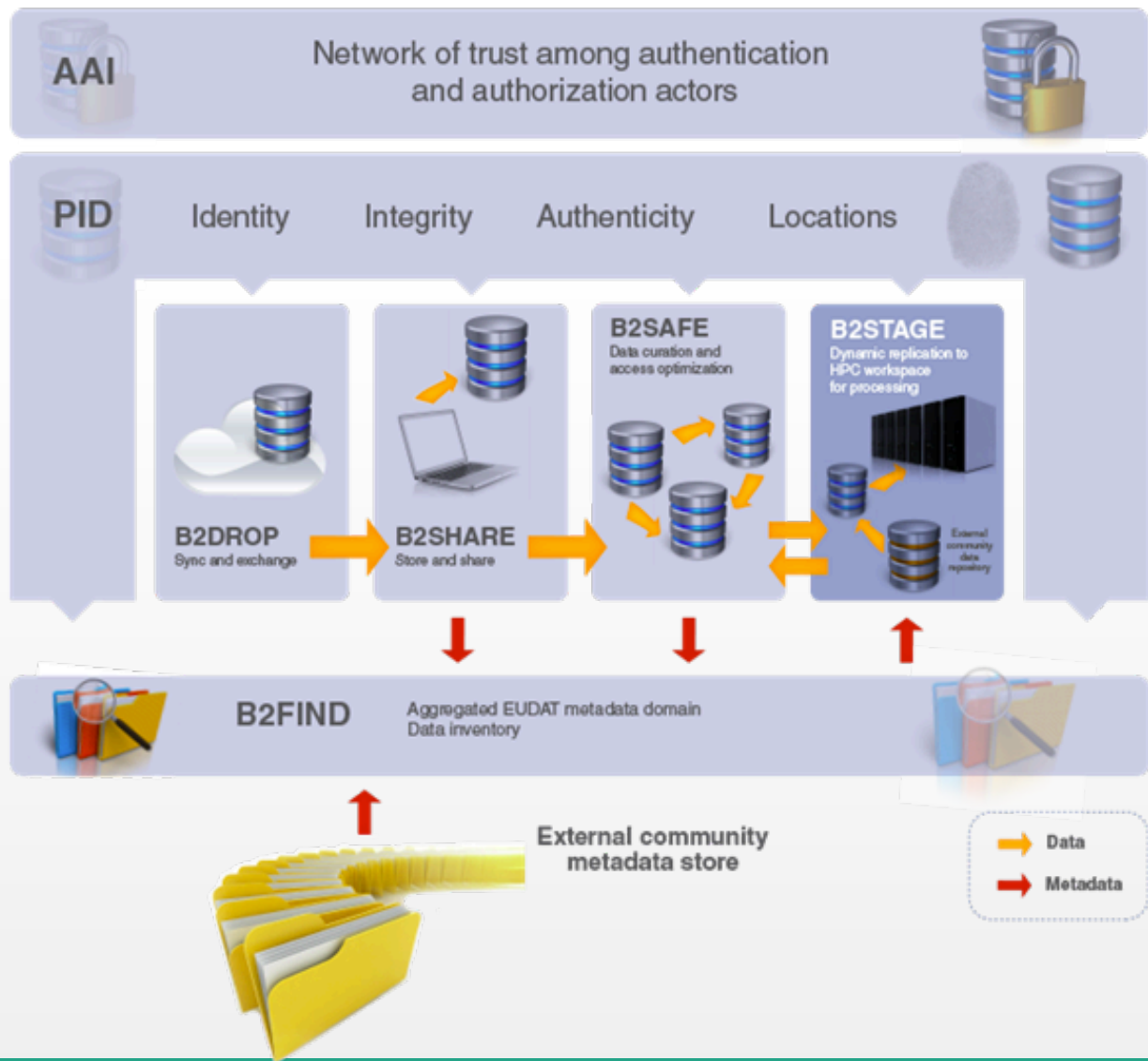
iRODS is open source data grid middleware for...

- Data Virtualization ← Preservation
- Data Discovery ← Attaching PIDs and other metadata to data objects
- Workflow Automation ← Generating PID, metadata extraction, access control
- Secure Collaboration ← Federation

The iRODS-GridFTP DSI



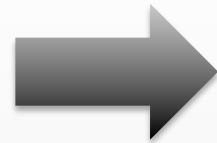
The iRODS-GridFTP DSI



iRODS Versions



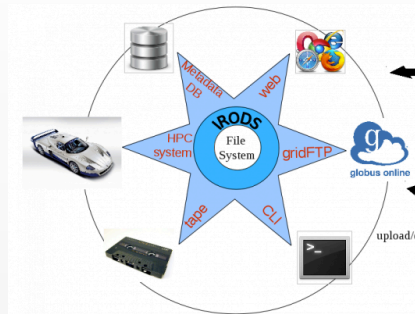
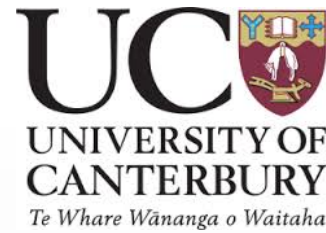
3.x



4.x and
Beyond

The Title of This Talk

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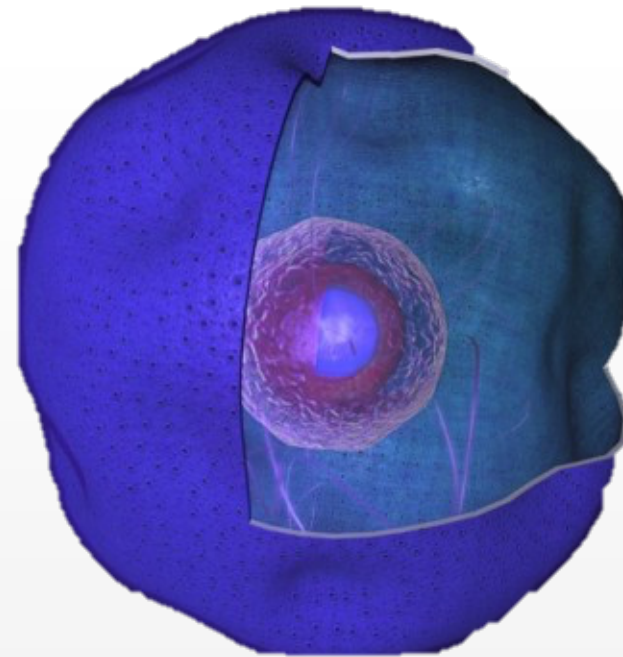
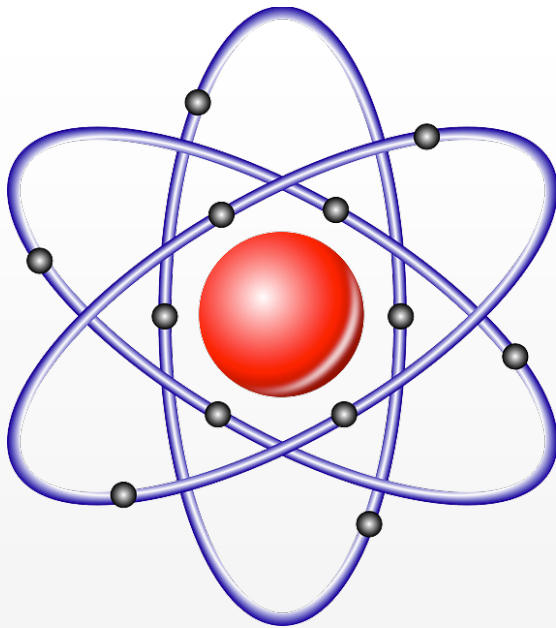
**The National
DATA SERVICE**

iRODS



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[“Nucleus” by Biology Flashcards](#)



mitosis



[“How rabbits *really* reproduce”](#)
[by the mad LOLscientist](#)

almost done