

The Access Grid: Production Deployment Plan

Argonne National Laboratory



*A U.S. Department of Energy
Office of Science Laboratory
Operated by The University of Chicago*



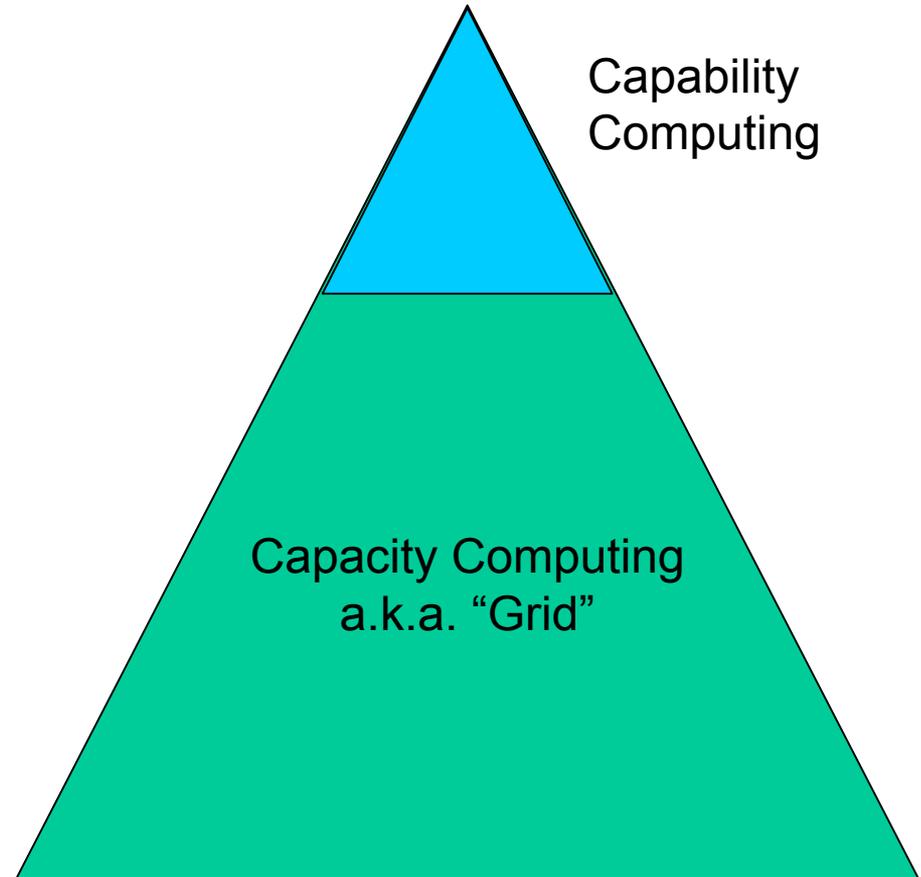
Roadmap of the talk

- **Where's Ivan?**
- **Production-ization Plan**
- **Measuring Success**
- **Parting Shots**



Where's Ivan?

- **ANL/MCS's Grid Initiative**
 - Grids, Collaboration
 - Realize the vision
- **Technological Forces**
 - *Informatics*
 - *Biology*
 - *Earth Science*
 - *Population*
 - *Agronomy*
 - *Urban Security*
 - Web Services
 - Grid Computing
 - Collaboration
- **Long Term Plans?**



Long Term Plans



Production-ization Plan

- **Strategy – minimal glue model**
- **Focus on missing links:**
 - **Security** – break security out into a separate toolkit (Globus Enabled as an option)
 - **Scheduling** – find a scheduling solution that provides:
 - *Shared Calendar with resources*
 - *Integration with Outlook, Mail, Evolution*
 - **Logging/Accounting** – Keeping track of usage
 - **Build better Web Services Tools** – Build standard web service components and patterns that are cross toolkit interoperable, e.g. .Net, Axis, Python Web Services (ZSI), Perl Web Services (SOAP::Lite)
- **Building Collaboration Services Organizations**
 - Internet2 Commons, ES Net Collaboration Services
 - Argonne Lab-wide Collaboration Services Group
- **Deploy**
- **Train**
- **Support**

Measuring Success

- **Measuring the success means accounting**
 - “Port Hours” – H.323 Term
 - Venue/Users/Hours – More AG Appropriate
- **Production Service Offerings**
 - Venue
 - Bridging
 - Scheduling
- **Integrated Site Security**
- **Arguing about Cost Models**
- **Outgrowing existing infrastructure**

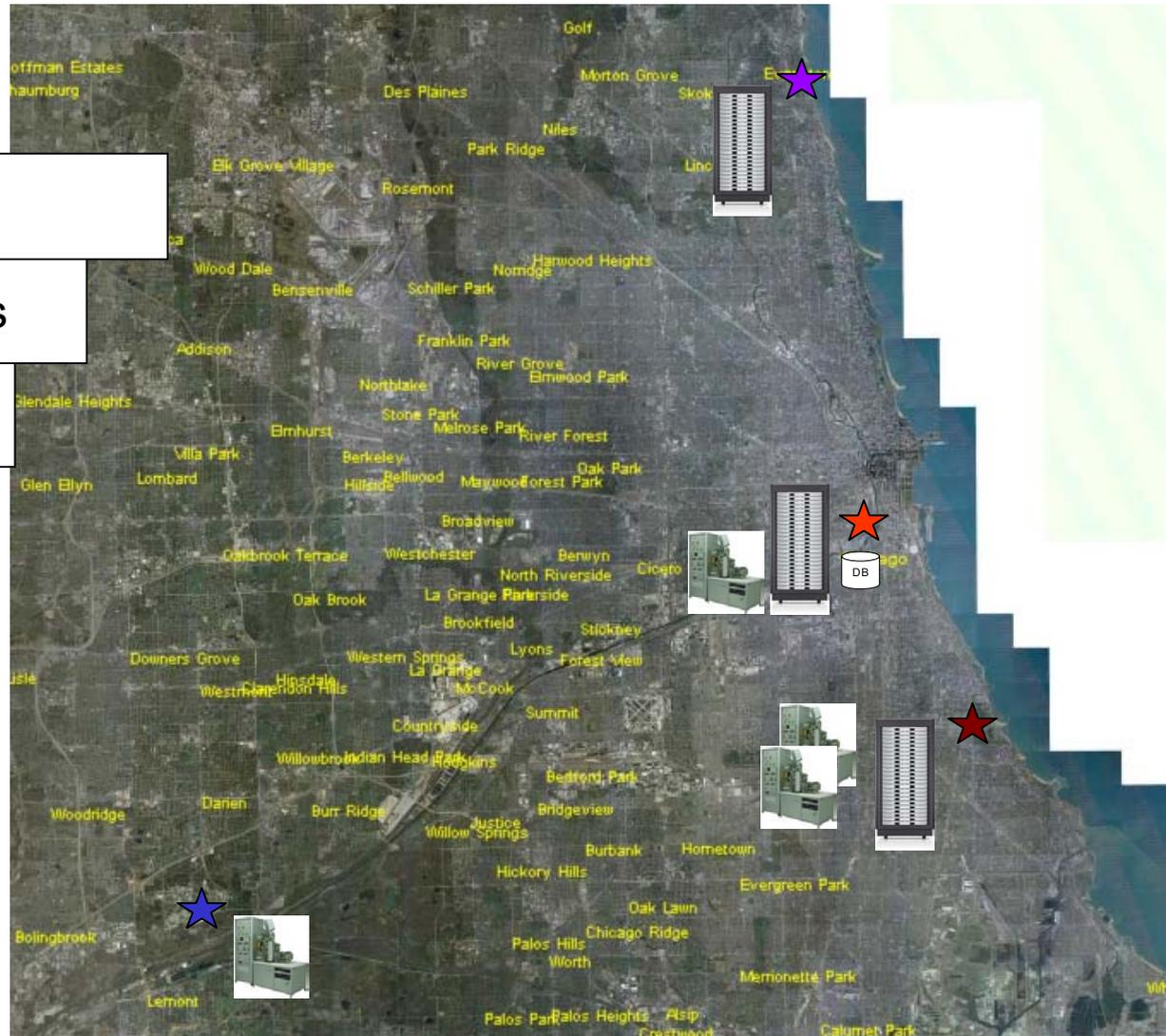
Chicago Biomedical Consortium

CBC Customers

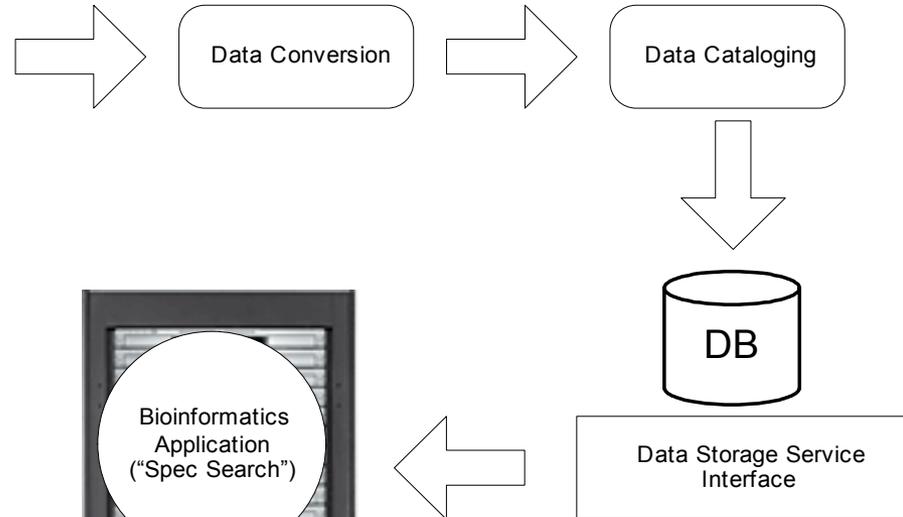
CBC Consortium Users

CBC Technical Group

CBC Leaders



Chicago Biomedical Consortium Process



- Multiple Mass Specs
- Data Cataloging
- Storage Expertise
- 3 Clusters, 40 Nodes



Parting Shots

- **The future is about services, Web Services.**
- **Think in terms of providing services**
 - Static services
 - Streaming services
 - Service Based Design Patterns
- **What services are you Providing?**
 - Consuming? Designing? Providing Feedback About?