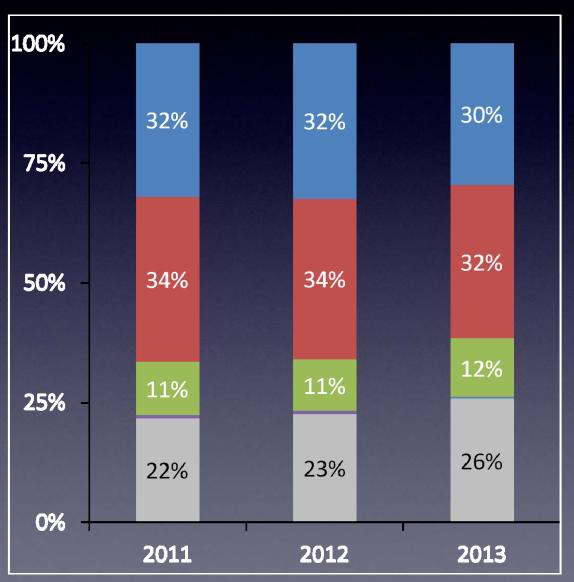
Research Computing

Michele Norin, CIO - University of Arizona TICAL Conference May 2014

Typical Research

- Highly distributed across campus
- Goals to increase \$\$
- Pressure for compliance
- Technology can be a differentiator
- Increasing demand for easy IT

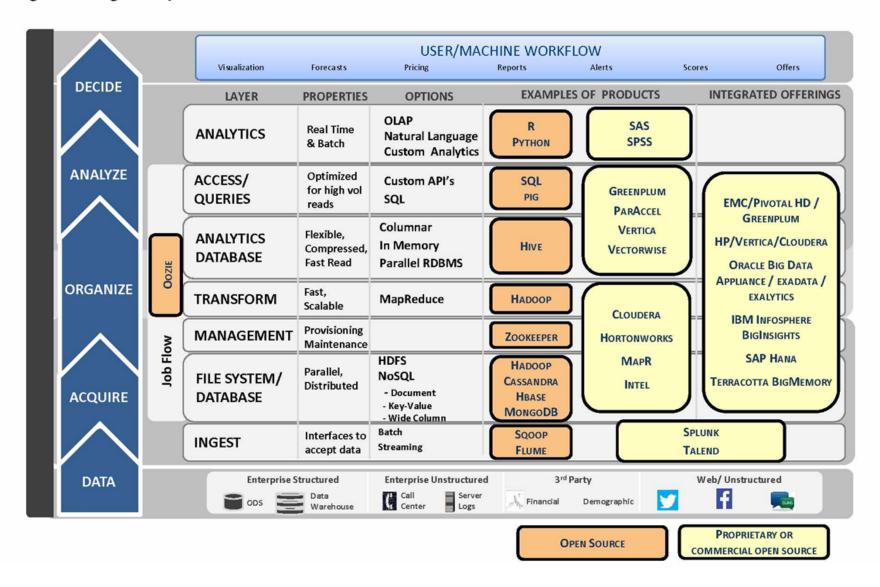
Which org. unit is responsible for Research Computing?



- Primarily central IT
- Shared between central IT and other admin or academic unit(s)
- Primarily other admin or academic unit(s)
- Primarily system or district office
- Primarily outsourced
- Not applicable no organizational unit responsible

The Big Data Stack

The big data ecosystem includes open source and proprietary distributions that span the stack from ingest through analytics



Challenges/Opportunities

- Large amounts of data
- Expanding scope of collaboration
- Data management planning
- Protecting IP
- Robust networks for transport
- Leveraging the cloud

Questions?