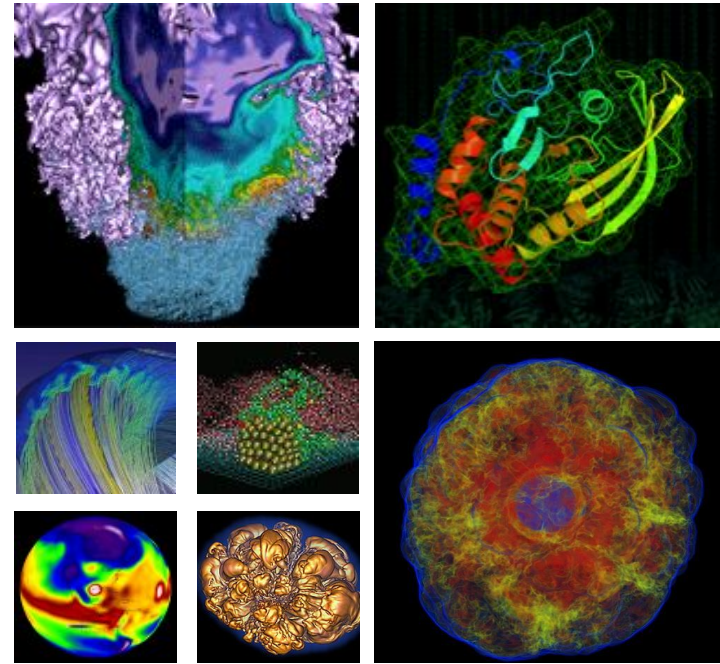# Introducing Iris:
NERSC's New Account Management System
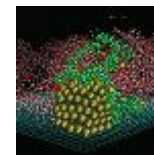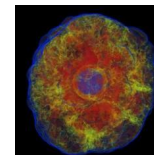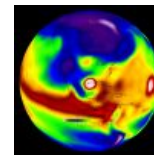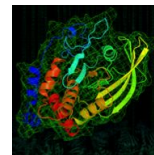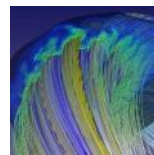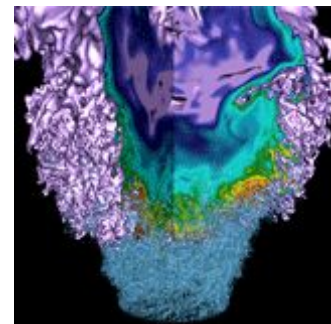

Cory Snavely

Lead, NERSC Infrastructure Services Group
NUG 2019 Annual Meeting

Agenda

- **Background / Overview**
  - **What is Iris?** *(Spoiler: it's the replacement for NIM.)*
  - **What differences will I notice?**
  - **A peek under the hood**
- **Demo**
- **What's next?**
  - **Implementation timeline**
  - **Help test and give feedback!**

Background / Overview

What is Iris?

It's the replacement for NIM and underlying systems.

- **For users:**
  - **Manage account details, password, tokens**
  - **Monitor compute and storage usage**
- **For Project PIs:**
  - **Manage projects, produce reports**
- **For DOE AMs, PMs:**
  - **View roll-ups by program/office**

What differences will I notice?

- **Designed in the current century! ;-)**
- **Easier to navigate, faster**
- **Responsive: works on phones, tablets**
- **Daily usage summary**
- **Job-level accounting**
- **Click to drill down on Projects, Users, Hours totals**
- **Click column headings to sort**
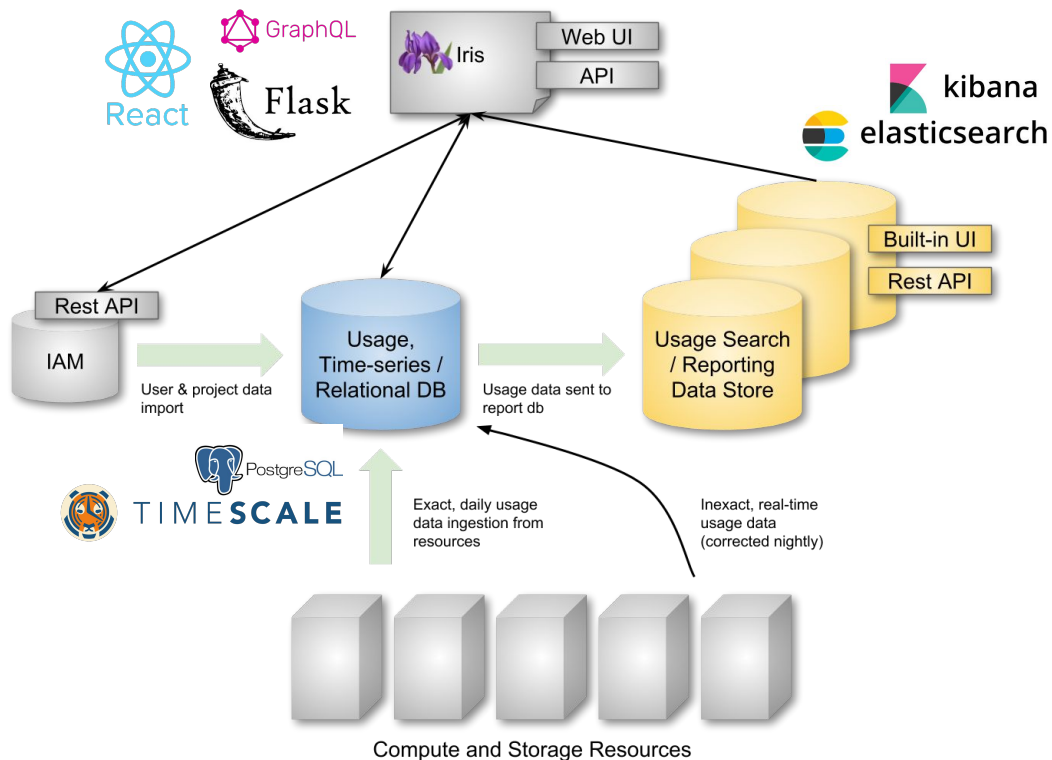
A peek under the hood (Accounting)

Modular design includes

- **Modern UI, API Tools**
- **Time-series Database**
- **Elastic Backend**
- **Containerized deployment**

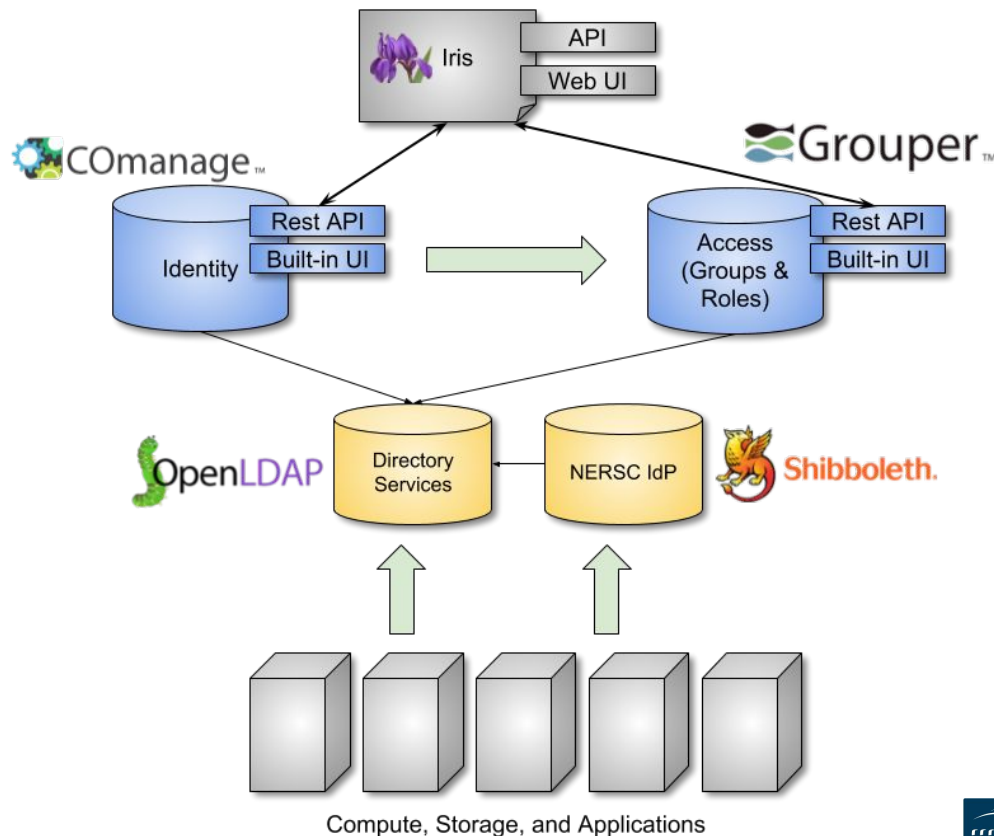**System components are scalable and performant**

Active user communities

A peek under the hood (IAM)
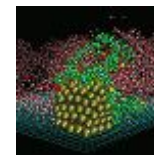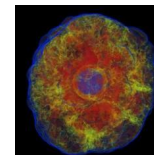
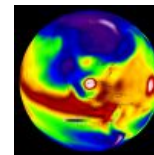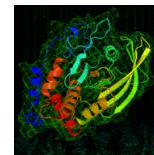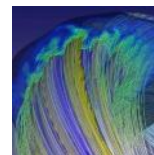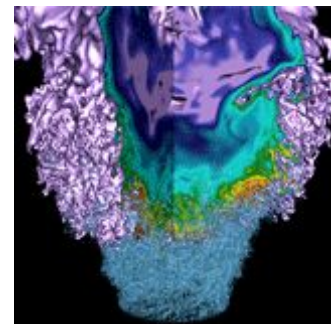**Based on InCommon Trusted Access Platform**

Designed for Academic and Research Collaborations

Active user communities

Consulting and commercial support options

Demo

What's Next?
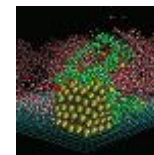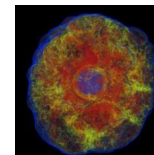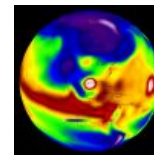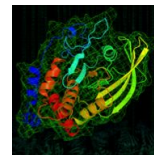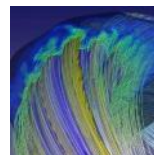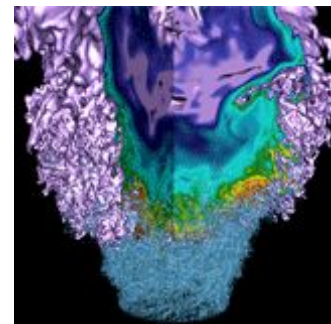
Implementation timeline

- ✓ **2018 Q3: Kick-off, Requirements gathering**
- ✓ **2018 Q4: Technology selection, Prototyping**
- ✓ **2019 Q1: Pilot System Development**
- ✓ **2019 Q2: Design Review with ALCF, OLCF, LIGO**
- ○ **2019 Q3: Feature completeness, Parallel operation**
- ○ **2019 Q4: Testing and cutover planning**
- ○ **2020 Q1: Launch**

Help test and give feedback!

Try it out at `http://iris.nersc.gov/`

- **Accounting data is live and accurate**
- **Read-only: changes are reset nightly**
- **Features and navigation are still in flux**

Volunteer for a focused feedback session!
To be scheduled in late summer or early fall