

# XSEDE Dev Coordination XCI Cross-area Priorities

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**XSEDE**

Extreme Science and Engineering  
Discovery Environment



Supported by OAC 15-48562.

# Completed XCI efforts

- **Globus Connect Server (GCS) v5.4 for SPs**
  - Major change to how SPs deploy, configure, secure, and manage endpoints
  - Significant new user facing capabilities: owner managed sharing, HTTPS file access
- **Research Resource Discovery (Resources V3)**
  - Data collections: <https://software.xsede.org/data-discovery>
  - SGCI: <https://software.xsede.org/resource-discovery?affiliations%5B0%5D=sciencegateways.org>
- **RDR improvements**
  - 1-to-1 base-to-subresource mapping improvement
  - Eliminating redundant information
- **Publishing XSEDE Resources in SGCI's Common Resource Schema Format**  
<https://info.xsede.org/wh1/warehouse-views/v1/resources-sgci/v1.0.0/?format=json>
  - Information from RDR, XCDB, and IPF
  - XSEDE is missing information of value to science gateways

<https://software.xsede.org/news>



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# Active XCI efforts

- Globus Connect Server (GCS) v5.4 for users
  - Updated Globus documentation in the works
- Information Services
  - XSEDE Training Discovery (with iframe)
    - Training team reviewing content and display format
  - XSEDE Container Discovery
  - Resource discovery web app using React
  - IPF expansion to un-allocated SPs
  - Deprecate XUP Software Registration (shall we cancel?)  
<https://portal.xsede.org/web/staff/software-admin#/>
- RDR Phase 2
  - SP coordination information using field groups



# Active XCI efforts (cont.)

## ➤ Security Capabilities

- Group Management using CoManage
  - Phase 1: XSEDE staff on/off boarding, email list integration, AWS
  - Phase 2: Allocation groups use cases
  - Maybe: CoManage LDAP accounts

## ➤ Data, Execution, and Other Capabilities

- CVM-FS XSEDE wide shared software and small data pilot
- Open OnDemand pilot
  - Web SSO + login shell on HPC resources
  - Web SSO + launch Jupyter and other apps on HPC resources

## ➤ XCI usage collection service

- Building a visualization user interface using Grafana
- Store usage in the new accounting service?

