Overview of the OSG 3.7 Release Series Plans

Brian Lin, OSG Software Area Coordinator
Center for High Throughput Computing
University of Wisconsin–Madison
Release Series Policy

- We aim to provide a well-tested, integrated software stack for sites to contribute resources to the OSG
- OSG Software Stack is distributed in “release series”
- Major changes are made between release series
- New series triggers the end-of-life of the previous series:
  - Previous release series receives 6 months of full support
  - Followed by 6 months of critical/security bug fix support
  - Historically each release series is supported for ~2.5 years
History of OSG Release Series

- Regular Support
- Critical Bug/Security Support

- 3.1
- 3.2
- 3.3
- 3.4
- 3.5
- 3.6

- 2012
- 2014
- 2016
- 2018
- 2020
- 2022
Release vs Upcoming

- Release repository contains the bulk of the software stack
- Upcoming repository contains software that may require manual changes upon upgrade
Where we are today

- OSG 3.6 is the currently supported release series
- Updates to OSG 3.6 are released in a rolling fashion
- Software is available for Enterprise Linux 7, 8, and 9
- Major packages
  - HTCondor 10.0 in release, 10.x in upcoming
  - HTCondor-CE 6
  - XRootD 5.5
OSG 3.7 plans

- Release repository renamed to “main”
- Expected major packages for the initial release
  - HTCSS 11.0.0 in main; HTCSS 11.1.0 in upcoming
  - XRootD 5.6 in main
- Improved package signing security with hardware keys
- **OSG release series support timelines will align with HTCSS releases**
Overview of the OSG 11 Release Series Plans

Brian Lin, OSG Software Area Coordinator
Center for High Throughput Computing
University of Wisconsin–Madison
Third time’s a charm...
Overview of the HTCSS and OSG 23 Release Plans

Brian Lin, OSG Software Area Coordinator
Center for High Throughput Computing
University of Wisconsin–Madison
HTCSS and OSG Software Stack

- New OSG release series will be released with each major HTCSS version
  - HTCSS LTS versions (e.g., 23.0.x) → main
  - HTCSS Feature versions (e.g., 23.y.z) → upcoming
- Major version numbers corresponding to the year will match between OSG and HTCSS
- Annual releases, targeting Q3 each year
- Two releases supported at any given time
Proposed Timeline

- **Full Support**
- **Critical Bug/Security Support**

Stick chart showing releases from 2021 to 2027 with marked years 2023, 2024, and 2025.
OSG 23

- Aiming for an August 2023 release
- Expected major packages for the initial release
  - HTCSS 23.0.0 in main; HTCSS 23.1.0 in upcoming
  - XRootD 5.6 in main
- OSG 23 will support Enterprise Linux 8 and 9
- OSG 3.6 will be supported until at least June 2024
Questions?

This material is based upon work supported by the National Science Foundation under Grant Nos. 1836650 and 2030508. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.