

Bringing Shifter to the Broader Community

Nicholas Cardo (CSCS), Douglas Jacobsen (NERSC)



CSCS

Centro Svizzero di Calcolo Scientifico
Swiss National Supercomputing Centre



Acknowledgement and Motivation

Shifter was developed by NERSC and enhanced by CSCS to support GPUs. It has become integral in supporting computing communities on the Cray XC.

Shifter has become an important part of HPC computing on the Cray. It is necessary to ensure developments efforts continue in scope with the goals of Shifter. Additionally, broader community involvement is needed keep Shifter as an integral part of the HPC Community.



Community Outline

- Governance
 - Establish and enforce rules to ensure the organization adheres to its objective.
- Release Management
 - Establish and enforce rules governing a release cadence as well as guidelines for determining the acceptable changes to be included in a release or update.
- Security
 - Provides auditing and guidance to ensure that security levels are maintained.
- Development
 - Bug Tracking
 - Regression Testing
 - Code Changes



Next Steps

- Establish the organization structure
 - Each organization component needs to establish rules and guidance appropriate for each component of the organization.
- Establish governance
- Create a website for the organization
- Create a problem tracking system

