

XSEDE Capability Delivery Plan

CI-02 Manually publish system information

Last revised 2017-04-21

Background

Use cases describe community needs, requirements, and recommendations for improvements to cyberinfrastructure “CI” resources and services. A Capability Delivery Plan “CDP” is an executive summary of use case support gaps, of plans to fill those gaps with new or enhanced capabilities, and of existing operational components that already support aspects of a use case.

Use Case Summary

Use case CI-02 describes how XSEDE staff and software/service operators need to manually publish system information such as the use cases that motivate existing capabilities or will drive new capabilities, the degree to which current use cases are satisfied, which use cases XCI is currently working on, and the software and services that are currently available in support of use cases.

Use case document(s): [Description \(pending review\)](#)

CDP Summary

The functionality described in this use case is mostly supported by the operational components listed below.

Gap(s) that we currently plan to address:

- An XCI staff member needs to publish which use cases XCI is currently working on
- An XCI staff member needs to publish which software supports a particular use case

Gap(s) that will not be addressed at this time:

- None

Time and effort summary:

- 2 hours for XCI-53
- 6 hours for XCI-65

Functionality Gaps

1. **Manually maintain and publish the Use Cases XCI activities enable** (suggested)

priority: high)

XCI activities in JIRA are generally linked to use cases and components. This activity needs to review all XCI PY6 and PY7 activities to ensure that they accurately map to use cases and components.

Plans: Under PY6 activity [XCI-19 Implement Initial XSEDE Community Repository](#) we will:

- 1) [Ensure that XCI PY6 and PY7 JIRA activities are linked to relevant use cases and components \(XCI-53\)](#).

2. Manually maintain and publish the Use Cases supported by XSEDE components (suggested priority: high)

XCI activities in JIRA are generally linked to use cases and components and capability Delivery Plans identify which existing components support each use case. However, we currently do not have an easy way for publish the list of components that support each use case in a form that users could easily explore.

Plans: Under PY6 activity [XCI-19 Implement Initial XSEDE Community Repository](#) we will:

- 1) Create a way to [Manually maintain for publishing how components support use cases \(XCI-65\)](#).

System Components That Support This Use Case

The following XSEDE operational components currently support this use case:

Component	Supported Functionality
XUP	Navigate to “Resource -> Software” to view XSEDE offered software; or Navigate to “User Services -> Documentation -> User Guides” to view XSEDE offered services
CSR	Navigate to “User Requirements and Use Cases” to explore Use Cases and Capability Delivery Plans (CDPs); or Navigate to “Installable Software” or “Operational Software” to view software that can be deployed and software/services that are already deployed and ready-to-use.
IPF	The Information Publishing Framework enables Service Providers (SPs) to publish which software and services they currently operate to provide the capabilities described in use cases.
Globus Auth	Provides the ability for the user to authenticate to the CSR using XSEDE-accepted credentials (including federated identity providers) in order to manually enter capability information.

References

N/A

- 1.
- 2.