

XSEDE Capability Delivery Plan

CI-03 Automate changes to 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-03 describes how the XSEDE service providers continuously and automatically publish availability and status of software and services they provide so that XSEDE community members can find and use them.

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

CDP Summary

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

Gap(s) that we currently plan to address:

- None

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

- None

Time and effort summary:

- None

Functionality Gaps

None

System Components That Support This Use Case

The following XSEDE operational components currently support this use case:

Component	Supported Functionality
IPF	The Information Publishing Framework enables Service Providers (SPs) to publish which software and services they currently operate.
RabbitMQ	Receives, processes, and stores the information from service provider IPF components. This stored information is made available to users thru Web APIs.

References

N/A

- 1.
- 2.