

## Call for Community Testing: ScOAP – Globus C SOAP Engine Preview

### What is a “Call for Community Testing”?

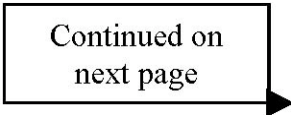
A Call for Community Testing is a mechanism to notify users that new code is available for testing in the field. ScOAP is a first step in the Globus Alliance’s effort to build a C hosting environment, and the goal of this call is to elicit feedback on this early work.

### Participating in the ScOAP Testing Call is Easy!

1. *Optional:* Consider sending mail to [testing@globus.org](mailto:testing@globus.org) to let us know that you’re helping out and describing what you intend to test
2. Install the software in a non-production environment: <http://www-unix.globus.org/scoap/>
3. Exercise the software as described in the documentation
4. Log your experiences in <http://bugzilla.globus.org/globus/> under ScOAP, version “development”
5. *Optional:* Consider sending descriptions of your tests to [testing@globus.org](mailto:testing@globus.org) so that we might use them to build standard tests in the future

If you have any questions or comments, feel free to contact Bob Gaffaney at [gaffaney@mcs.anl.gov](mailto:gaffaney@mcs.anl.gov).

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**The Testing Period For This Call: 28 April – 30 June 2004**

## **About ScOAP**

ScOAP is an acronym for the Globus C SOAP Engine. It consists of a base set of tools for implementing Web Services in C, designed especially for WSRF. The basic components are:

- A binding generator that converts WSDL schema files to C service and client bindings.
- A SOAP engine based on AxisC++. The engine provides dynamic service invocation and a handler architecture similar to Axis for Java.
- A transport layer written on top of Globus XIO that allows efficient HTTP transport.
- Generation of both blocking and non-blocking client stubs.

## **Reasons for testing ScOAP**

ScOAP is a new module currently in development. The Globus Alliance plans to build a WSRF-C implementation on a set of ScOAP base libraries and tools. Early testing of ScOAP preview will provide important feedback as to its basic facility and integrity, and allow preview testers to make feature requests and contribute design ideas.

## **Globus Toolkit® Components affected by ScOAP**

1. None to date

## **Environment/build parameters and other special conditions to test**

1. Interoperability Tests
2. Tests on different WSDL schema files and different types of schema files (doc/literal, rpc/encoded, etc.)

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