

SMI-Lab Program – Collaboration to Accelerate Development

What is SMI-Lab?

The SMI-Lab program, created by the Storage Management Initiative (SMI), is an industry-wide collaborative program that helps companies accelerate the development and implementation of SMI-S based Client and Provider products.



The program has been successful in providing an environment that enhances and coordinates vendors' development efforts to deliver SMI-S compliant products to market. Since 2004, SMI-Lab has enabled numerous companies to pass the [SMI-S Conformance Testing Program \(CTP\)](#) tests to get hundreds of products certified.

Why join SMI-Lab?



SMI-Lab has strong support from industry leaders. Membership in the program enables storage companies to send developers to SMI plugfests to accelerate product development.

Richard Roscoe, Senior Software Engineering Manager, EMC Corporation, and frequent attendee at plugfests, spoke recently about SMI-Lab. "Three primary reasons to join the SMI-Lab program are:

- ▶ You get early access to the Conformance Testing Program suite so you can work out kinks with your Provider and also work out specification issues.
- ▶ If you're a provider developer, having your hardware and provider running here at the SNIA Tech Center allows a variety of client applications to easily test with your provider.
- ▶ If you are a client developer, you have access to a wide variety of providers to test with that you may not otherwise have access to. This allows both client and provider developers to produce better quality software products in a more timely manner.

What are Plugfests?

SMI plugfests are Face-to-Face SMI-Lab events held several times a year, usually at the SNIA Technology Center in Colorado Springs, CO. Microsoft hosted plugfests in Redmond, WA, in 2012 and 2013.

Developers from SMI-Lab member companies are invited to all SMI-Lab plugfests.



Why Attend a Plugfest?



The SMI-Lab plugfests offer a unique opportunity for unparalleled access to client and provider developers during plugfest events. You have access to industry experts in the area of WBEM Infrastructure, CIM Modeling, CTP, WBEM protocols and SLP. Attendees benefit from these opportunities at each plugfest:

- ▶ Test interoperability across SMI-S implementations.
- ▶ Validate CTP test updates (for companies enrolled in the SMI-S CTP Program).
- ▶ Create proof-of-concept implementations of proposals for inclusion in the SMI-S standard.
- ▶ Meet with peer developers and industry experts supporting commonly used CIMOMs—to answer questions and help debug your implementation.
- ▶ See special presentations about how companies use SMI-S and other leading edge technology topics.

One recent plugfest attendee voiced his endorsement: "The wealth of information and knowledge that you have access to, coupled with the relationships that you can develop, is invaluable." A first-time attendee stated, "I feel like I've accomplished more troubleshooting in three days than in many weeks of trying to tackle these problems."

What Equipment and Software is in the Lab?

The SMI-Lab at the SNIA Technology Center leverages equipment and software provided by member companies including (as of March, 2013): APTARE, Brocade, Cisco, Cumulus Systems, Dell, Dot Hill, EMC Corp., FalconStor, Fujitsu, Hewlett-Packard, Hitachi Data Systems, Huawei, IBM, IntelliMagic, Microsoft, NetApp, OPNET, ServiceNow, Solarwinds, and Virtual Instruments.



Ready to Join SMI-Lab?

SMI-Lab membership continues to grow. Visit the SMI-Lab website for the latest membership information: www.snia.org/smilab

Registering for a plugfest
Visit the [SMI-Lab website](#) to register.

Not an SMI-Lab member, but interested in attending?
Contact SMI_lab-chair@snia.org.