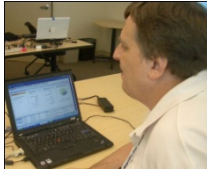# SMI-Lab 10 Plugfest #3

On **August 16-19, 2010**, the SMI-Lab held its third plugfest of 2010. Jim Davis of WBEM Solutions led the plugfest, and he and Karl Schopmeyer provided infrastructure support for WBEM and Pegasus respectively.
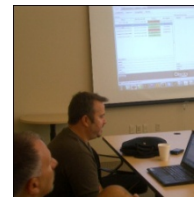
Development of a Host Hardware RAID provider and client – Steve Peters

Subtitled "From Design to Certification," Steve Peters' presentation focused on "what you should do vs. what most people do." His maxRAID Storage Manager is CTP-certified for SMI-S 1.4 & has a myriad of vendor extensions. PMC-Sierra concurrently developed provider and client, as well as firmware. A multi-layer design provides notification for every "action." Steve showed a diagram of the stack & described each layer; the CIM interface is treated as the next API up the stack. For the web-based GUI, developers used integrated web development tools & included online help.

Configuring and using StorageIM by Olocity – Kurt Krems

On Tuesday, Kurt Krems, CEO and Architect, Olocity Corporation, presented a high-level overview of StorageIM v1.0, Olocity's SRM. During a demo, he explained the interface and configured a live array. The product, which is open source, has established the first HHRC support, thanks to Kurt's work with Steve Peters during the plugfest; Olocity will further refine this support. Attendees offered suggestions regarding the interface. Using StorageIM as an example, he explained how SMI-S clients can utilize SMI-S.

Scenes from the plugfest

James Rigger, Conformance Testing Programs Manager, reports on CTP.

Jun Nakajima, based in Japan, and **Steve Quinn**, based in San Diego, of HDS, are frequent participants of the plugfests.
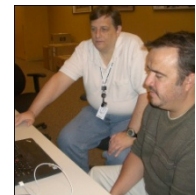

Kurt Krems, Karl Schopmeyer, and Jim Davis prove "you just can't replace the hallway conversation."

Quotes from the plugfest

Kurt Krems worked with Steve Peters to test Olocity's StorageIM's support for PMC-Sierra's HHRC.

- Steve: "What we got done in half a day could take weeks of email exchanges."
- Kurt: "I could spend a day with Steve or spend weeks sending email to a vendor." "Direct hardware access is a big benefit. The hardware is here."

SMI-S and the role of SMI – Mike Walker

Mike reviewed his presentation on SMI-S. He addressed the following:

- Should you take your extension to SMI-S?
- CTP tests ALL SMI-S profiles? (True/False)
- Only vendors that actively participate in CTP can have their names listed on the CTP web pages? (True/False)

Announcing SMI-Lab 10 Plugfest #4

October 25–29, 2010, SNIA Tech Center
Clients & Developers from SMI-Lab member companies are invited.

Visit http://www.snia.org/forums/smi/tech_programs/lab_program/ to register.

> "The plugfest always works."
> - Jim Davis
> **Stay tuned for information on October's theme and presenters.**