

HOTPLUG SIG Status

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HOTPLUG SIG Status

- Participation
- Current projects
- Status on projects
- Issues and Needs?
- Goals for 2005

Participation

- Current membership:
 - 51 members on the mailing list
 - ~15 active participation in con calls
- Bi-weekly conference calls on Tuesdays at 11:00am Pacific
- SIG webpage for latest status on projects

Current projects

- Memory hotplug regression testing
- CPU hotplug regression testing
- Automated testing using STP
- CPU hotplug documentation
- Hotplug at the platform management level (OpenHPI)

Status on projects

- Memory hotplug regression testing

For every new patch in Dave Hansen's tree

- Try to boot the system w/ new patch
- Run the test and publishing the result (often crash)

Issues:

- Need documentation on test and more tests...

Status on projects (cont.)

- CPU hotplug regression testing
 - Using Dave Hansen's patches (but CPU hotplug code is in mainline) run the CPU scripts.
- Issues:
 - Test limitations: for ex no testing of interrupt transfer
 - What tree should we test? -mm? scheduler change?

Status on projects (cont.)

- Automate testing using STP
 - Framework is in place, need to fill in w/ tests.
- CPU documentation
 - First draft submitted, need to extend the scope to user level.

Status on projects (cont.)

- Hotplug at the platform management level (OpenHPI)
 - Recent initiative
 - Background meeting
 - No defined charter yet but thoughts of using the SIG to set up management and test cases and use OSDL as a test site

Issues and Needs?

- Hardware issues/needs:
 - System in lab not booting
 - Does system support hotplugging (LPAR firmware?)
 - Do we need other archs? ia64?
- Testing issues:
 - Need to define proper testing
 - For memory, need to define intermediate stages
 - For CPU, need to verify proper on/offlining

Issues and Needs? (cont.)

- PLM issues:
 - Need mechanism to rerun compilation w/ full output as opposed to short report
- Staffing/participation needs:
 - Need to develop more tests? Who will do it?
 - Need to get people involved beyond “listen in”

Goals for 2005

- Upcoming events:
 - Hotplug BOF at LWE, Tuesday 02/15
5:30pm
 - OLS paper on “Hotplug Memory Redux”
- Increase testing and provide testing reports that are useful to the community
- Define HPI/IPMI project
- Simplify Hotplug at the user level

Suggestions?

Comments?

Ideas?