ITRI OCP Center Update

2014
ITRI OCP Cert Center/OCP TW Timeline

March, 2013
Initial conversation

April, 2013
OCP Invites ITRI

May, 2013
OCP Taiwan Started

May, 2013
OCP Tokyo Workshop

August, 2013
OCP Hardware at ITRI

August, 2013
OCP Training

October, 2013
OCP Center Setup and Testing

Oct 1st, 2013
OCP C&I Workshop

Dec 27, 2013
OCP Center Operational
ITRI OCP Center Key Dates

- November, 2013: Alpha operation
- December, 2013: Beta operation
- December 27th, 2013: Operational
- Jan 28th/29th, 2014: OCP Summit
- Mar 3rd/4th, 2014: ITRI OCP Cert Center Grand Opening + OCP Workshop + Product Demo
ITRI OCP Cert Center
Primary Activities

Certification of OCP Systems

Maintenance of Certification Repository
- Host official “Certification” Packages, including prior versions
- Create, test, and revise certification packages for new OCP systems
- Publishing/hosting certification results

Evangelism and Communication
- Support OCP community (consumers and vendors) needs
- Participate in OCP activities
- Host OCP activities in Asia
- Support OCP Taiwan activities
ITRI Cert Center Phase II Plans

Vendors, SP, and Consumers
- Debugging/Design iteration with new products
- “Themed” Hack-a-thon
- System Re-certification (based on delta in key components: CPU/DIMM/HDD/PSU/NIC)
- Certified Solutions (L11/interoperability)

Across OCP Committees
- Horizontal linkage to OCP Committees to support new systems
- Incubation Committee participation

OCP Community and beyond
- Demo Data Center(s)
- Regular per usage case benchmark updates
Cert Center Organization Chart

Center Director (Institutional)

Tech Lead
- ME/EE
- Architect
- Certification Technician
- Certification Technician

Administrative Management
- Inventory Management
- Facility
- Accounting
- Institutional Liaison
- IT/MIS

Business (External)
- OCP Global

Personnel commitment
- Allocated person: 9
- FTE: 6-7
Cert Center Layout

Space
- ~100 sqr meter

* Warehouse space not shown
ITRI OCP Cert Center Operation

Submission
• Multiple submissions to the ITRI OCP Center
• OCP Foundation to announce initial results at the 2014 Summit

Certification Capabilities
• Winterfell (3 nodes) server designs
• 2U4N server designs (upcoming)
• Storage designs (upcoming)

Certification Duration (for servers)
• Approximately 15 working days
• Does NOT include logistic and handling
• Assumes all submitted machines are in working order
ITRI OCP Cert Center Processes

Submission Process Summary

• Submit request
• ITRI processes request
• ITRI receives and confirms samples are ready to be tested
• ITRI completes certification testing
• ITRI notifies you and OCP of the final testing results
• OCP issues the official certificate (** see FAQ)

Submission Initiation Process

• Fill out the form “OCP Certification Request OCP-CI-0004”
• Send the completed OCP-CI-0004 form to ITRI
• ITRI will contact you for details
ITRI Center Certification Process

1. Validate HW Specification
   - Pass/Failure
   - Can repair
   - Pass/Failure
   - Validate HW Health (CPU/DIMM/HDD/PSU/NIC)
     - Failure
     - Pass/Failure
     - Pass

2. Functional Tests
   - Pass/Failure
   - Stress Tests > 48 hours
     - Pass

3. Analysis & Report Preparation
   - Pass/Failure
   - Exit Certification
     - Pass

- 3-10 samples
- Must all pass
ITRI OCP Cert Center FAQ

• Who issues the actual certification
  - OCP Foundation issues the certificate
  - ITRI OCP Center performs the testing
  - Separation of testing and issuance conforms to ISO17011 requirements

• When can a certification start
  - Certification requires three (3) items to start:
    • an executed service agreement authorizing ITRI to conduct the work
    • a completed SOW (statement of work) that includes all relevant information for the submission
    • physical acceptance of the required samples to ITRI OCP Lab
  - A firm start date is set when all items have been accepted/received

• What happens to the submitted sample(s)
  - Samples will be returned to you
  - BTW, submitters are responsible for all logistic costs
Finding ITRI OCP Cert Center

Full Name
• ITRI OCP Certification Testing Center
• 工研院 OCP 驗證中心

URL:  www.ocpcertificationcenter.org

Mascot
• AC - because we support Data Centers (DC)

Email address
• info@ocpcertificationcenter.org
• submission@ocpcertificationcenter.org
ITRI OCP Center 2014 H1 Timeline

Dec 27th, 2013
Cert Center Operational

Jan, 2014
OCP Summit: announcing certified machines

Q1, 2014
Server Cert v1.0 GA
• Uploaded to Launchpad
• Available for download

Q1/Q2, 2014
Storage Cert v1.0 beta

Q2, 2014
ITRI OCP Website Automation

Q2/Q3, 2014
Storage Cert v1.0 GA

Mar 3rd/4th, 2014
ITRI Cert Center Grand Opening Party
OCP Workshop + Product Demo
Q&A

Thank You

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