



UEFI Forum Updates

UEFI Fall Plugfest – October 24-27, 2011
Presented by Dong Wei (VP, UEFI Forum)

Agenda



- Welcome to Plugfest
- Industry BIOS Transition
- UEFI Specification Roadmap
- UEFI Test Roadmap
- Plugfest Results
- Questions

Industry BIOS Transition



Pre-2000

All Platforms BIOS were proprietary

2000

Intel invented the Extensible Firmware Interface (EFI) and provided sample implementation under free BSD terms

2004

tianocore.org, open source EFI community launched

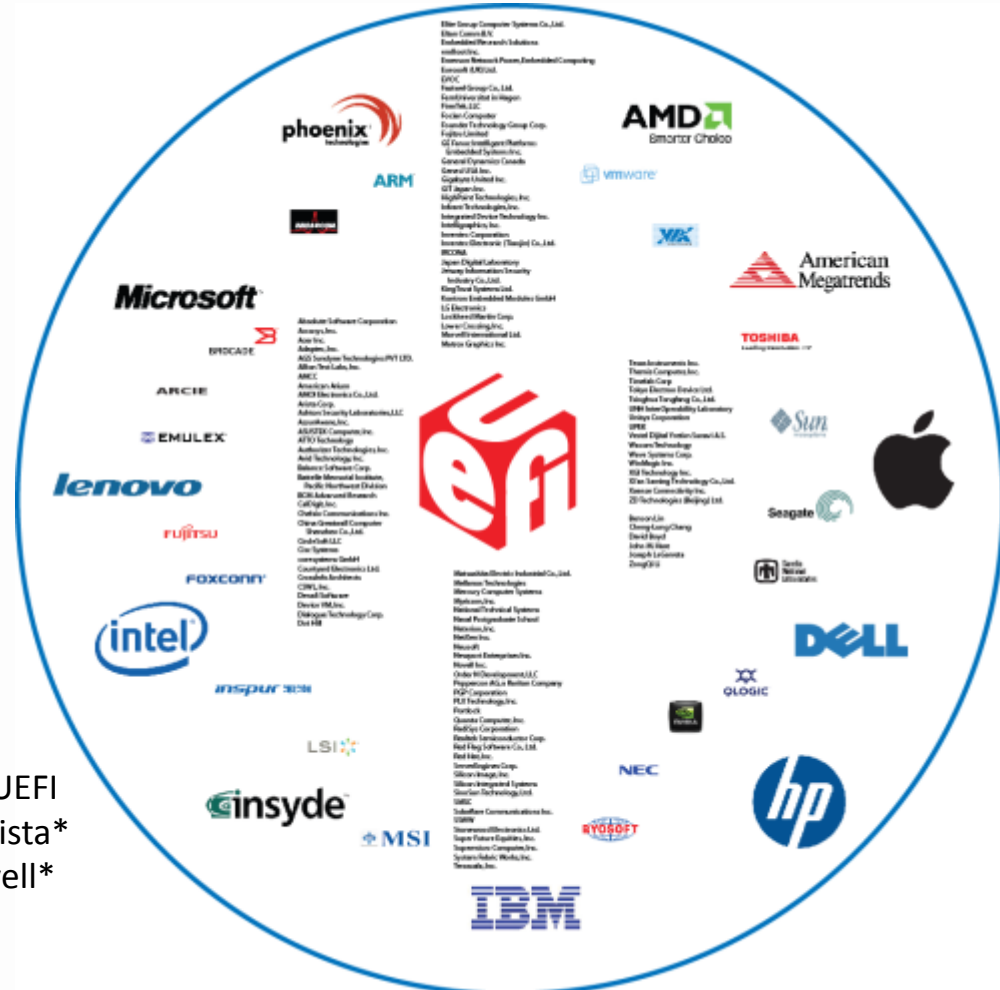
Unified EFI (UEFI)

2005

Industry forum, with 11 promoters, was formed to standardize EFI

2011

185 members and growing!
Major MNCs shipping - UEFI platforms crossed 50% of IA worldwide units - Microsoft* UEFI x64 support in Server 2008, Vista* and Win7* - RedHat* and Novell* OS support

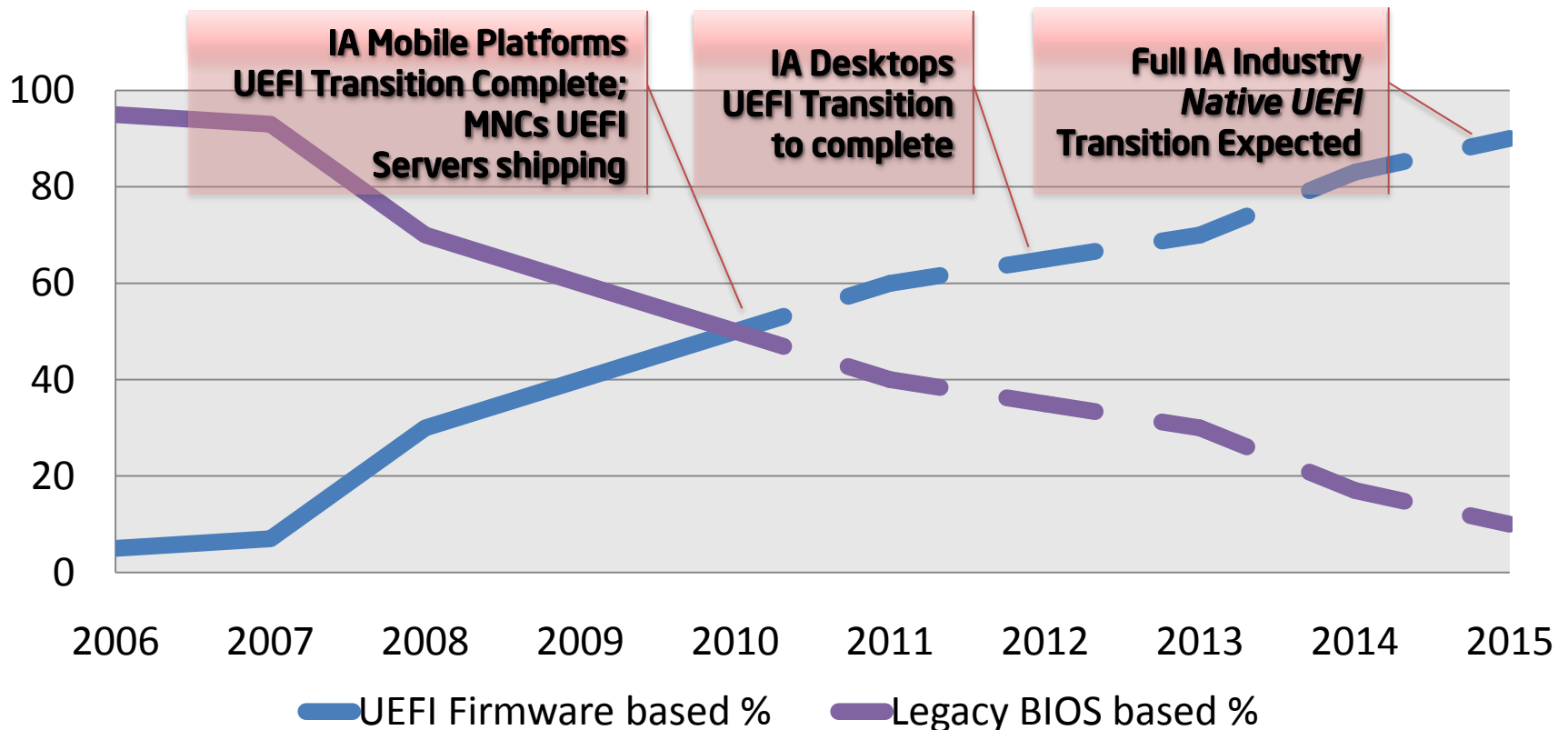


UEFI Firmware Deployments



Over 50% of worldwide IA units in 2010 and expected to reach 90% by 2015

UEFI IA Platforms Shipment Projection



Source: Various – UEFI Industry Communication Working Group data through 2010; Intel customers platform UEFI adoption projection data for 2011-2015

UEFI Operating Systems



Windows Server 2008 R2

Windows 7

Windows Azure

Microsoft Hyper-V Server 2008 R2

Windows Storage Server 2008 R2 Enterprise



CANONICAL



SUSE® Linux Enterprise 11

RED HAT ENTERPRISE LINUX



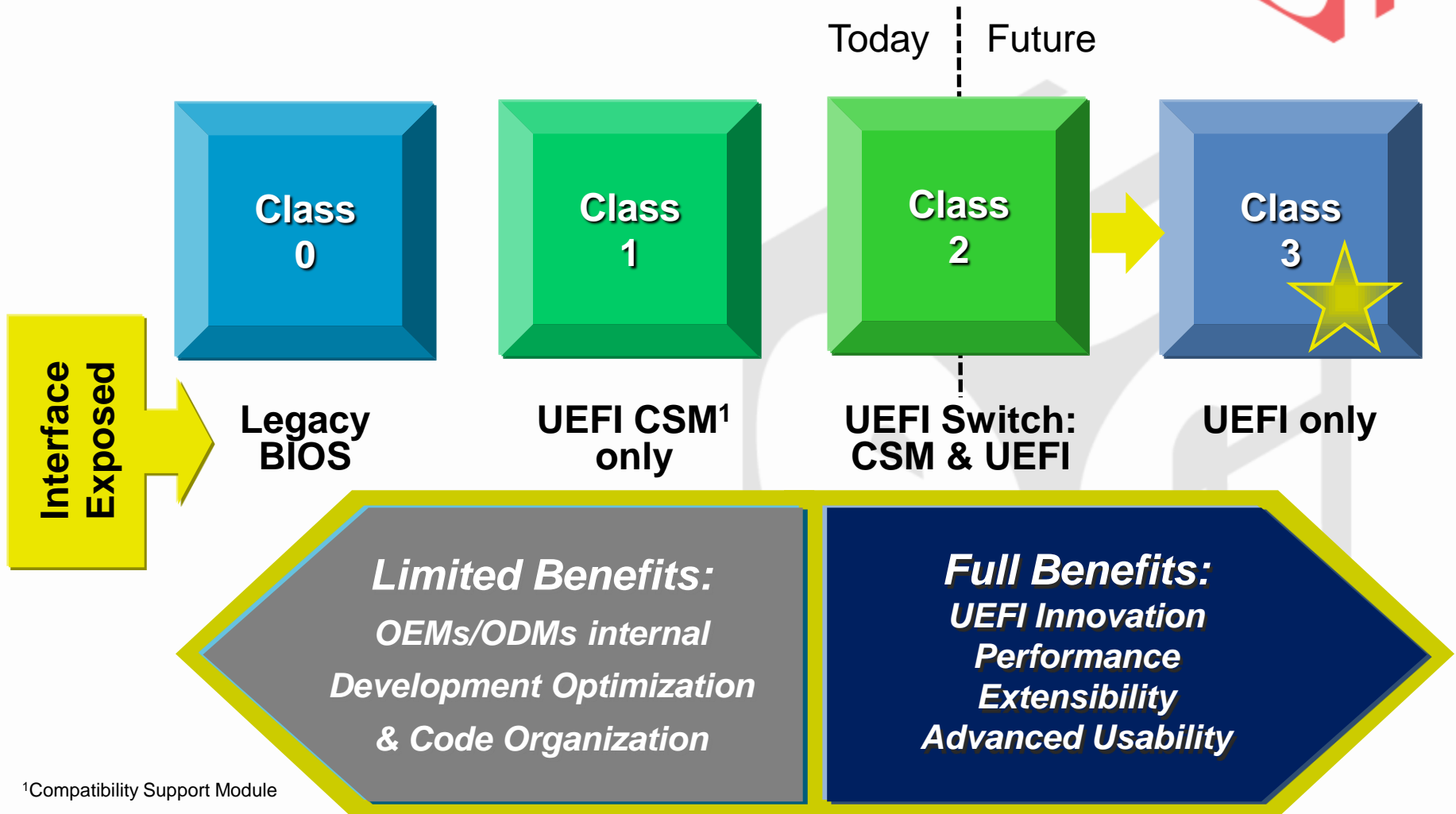
Novell

fedora

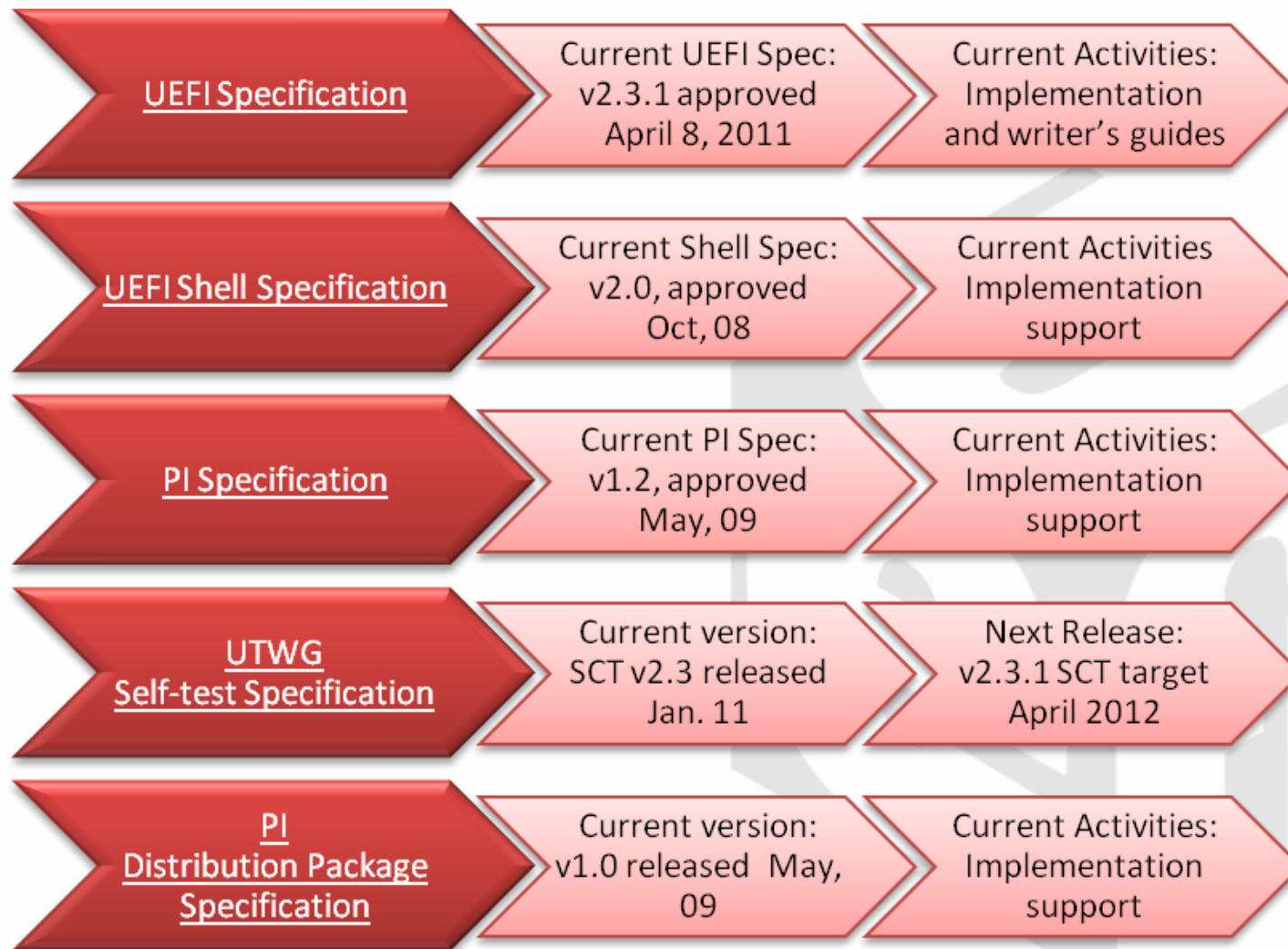
vmware

UEFI System Classes

Based on Firmware I/F



UEFI Specification Roadmap



UEFI Self-Certification Test




- UEFI SCT v2.3 released Jan 2011
 - ARM not supported initially, patch available now
- UEFI SCT v2.3.1 Alpha release for this plugfest
 - Binary supports x86, x64, Itanium, ARM
 - ARM test source integration in progress
 - <http://www.uefi.org/apps/org/workgroup/utwg/download.php/273>
- UEFI SCT v.2.3.1 release targeted April 2012
 - Supports source and binary integration for all processor architectures that the UEFI Spec supports

Download from uefi.org



[Download is available now for UEFI members](#)

The screenshot shows the UEFI website interface. At the top, there's a navigation bar with 'UEFI Public Site' and 'Workspace' tabs. The user is logged in as 'Brian Richardson'. Below the navigation bar is the UEFI logo. A search bar and a 'Take Action (0)' button are visible. The main content area shows the breadcrumb trail: 'Home > Members Pages > Workspace > All Groups > My Groups > UTWG > Documents > Document Details'. The document title is 'Document Details - UEFI 2.3.1 SCT Release for TW Plugfest Oct.zip'. Below the title are tabs for 'Group Home', 'Roster', 'Calendar', 'Documents', 'Comments', 'Ballots', 'Email', and 'Mantis'. The 'Documents' tab is active. Below the tabs, there's a 'lock | add a revision' link. The 'Document Details' section contains a table with the following information:

| Document Details | |
|-------------------------|--|
| Title | UEFI 2.3.1 SCT Release for TW Plugfest Oct.zip |
| Name |  UEFI 2.3.1 SCT Release for TW Plugfest Oct.zip (28MB) |
| Description | It is the UEFI2.3.1 SCT Release for TW Plugfest, Oct 2011. ARM, IA32, IPF and X64 binaries are provided in the this release. Some new test cases are covered, such as SSP, blockIo2, etc. Most SCT issues reported from UTWG are fixed also. Latest UEFI 2.3.1 Case Spec is also included to describe the some checkpoints. Please refer to the ReadMe.txt at first. |
| Document State | Draft (A preliminary sketch, outline, or version.) |
| Group / Folder | UTWG / Standards |
| Submitter | By Mr. Eric Jin on Saturday, 15 October 2011 08:01am |
| URL for this Revision | http://www.uefi.org/apps/org/workgroup/utwg/download.php/273 |
| URL for Latest Revision | http://www.uefi.org/apps/org/workgroup/utwg/download.php/273/latest |

Plugfest Results



- Please submit your SCT v2.3.1 results
 - Save logs on the USB key distributed
 - *Note: do not run the test from the USB key (slows down test). Use USB for log storage.*
 - Submit to Dong Wei for UTWG analysis
 - UTWG will perform analysis of the test results submitted for future improvements
- SCT questions and issues can be sent to test@uefi.org

Thanks for attending the
UEFI Fall Plugfest 2011



For more information on
the Unified EFI Forum and
UEFI Specifications, visit
<http://www.uefi.org>



But wait, there's more ...

T



Welcoming Remarks – Aven Chuang, Insyde Software
UEFI Forum Updates – Dong Wei, VP of the UEFI Forum

T



Best Practices for UEFI Driver Compatibility – Stefano Righi, American Megatrends, Inc.
Understanding Platform Requirements for UEFI HII – Brian Richardson, Intel Corporation

W



UEFI Security Enhancements – Kevin Davis, Insyde Software
How to Protect the Pre-OS Environment with UEFI – Tony Mangefeste, Microsoft

Th



Pre-OS Display Switching using GOP – James Huang, AMD
Debug Methodology Under UEFI – Jack Wang, Phoenix Technologies

Download presentations after the plugfest at www.uefi.org