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

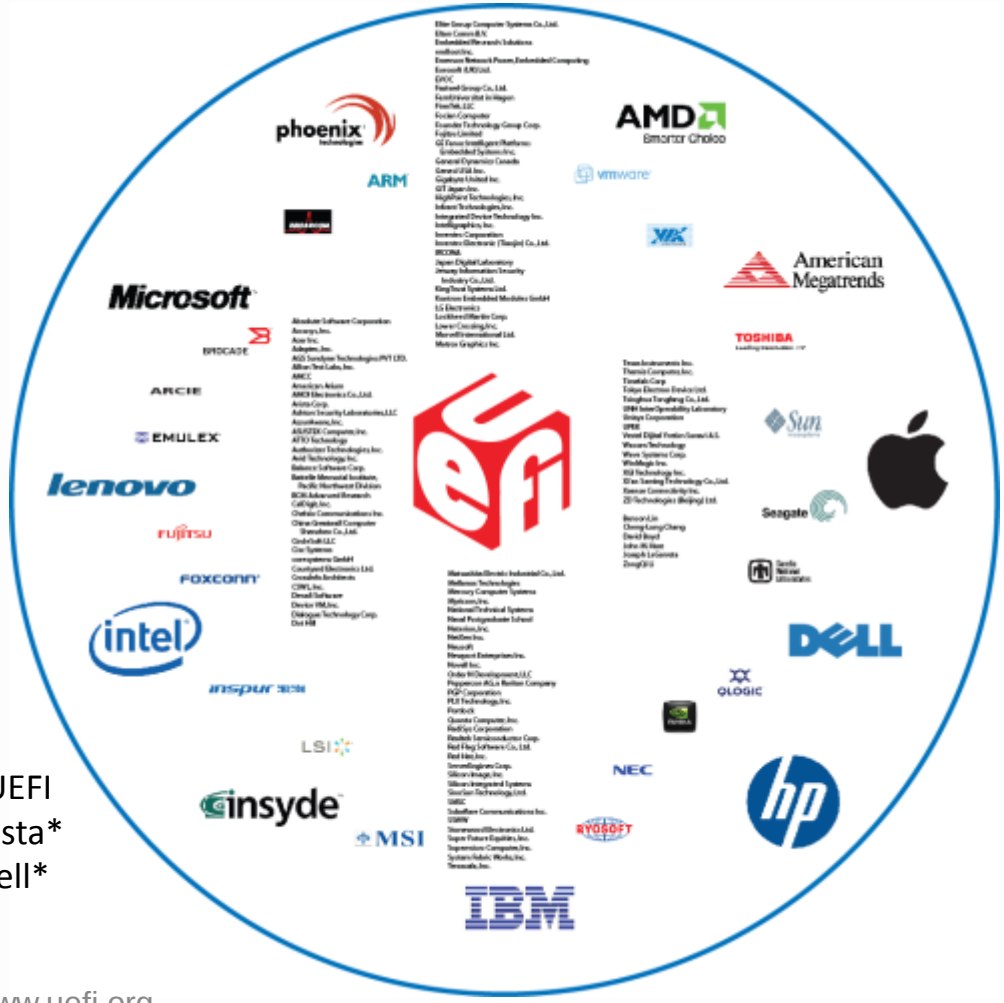
tianocore.org, open source EFI community launched

2005

Unified EFI (UEFI)
Industry forum, with 11 promoters, was formed to standardize EFI

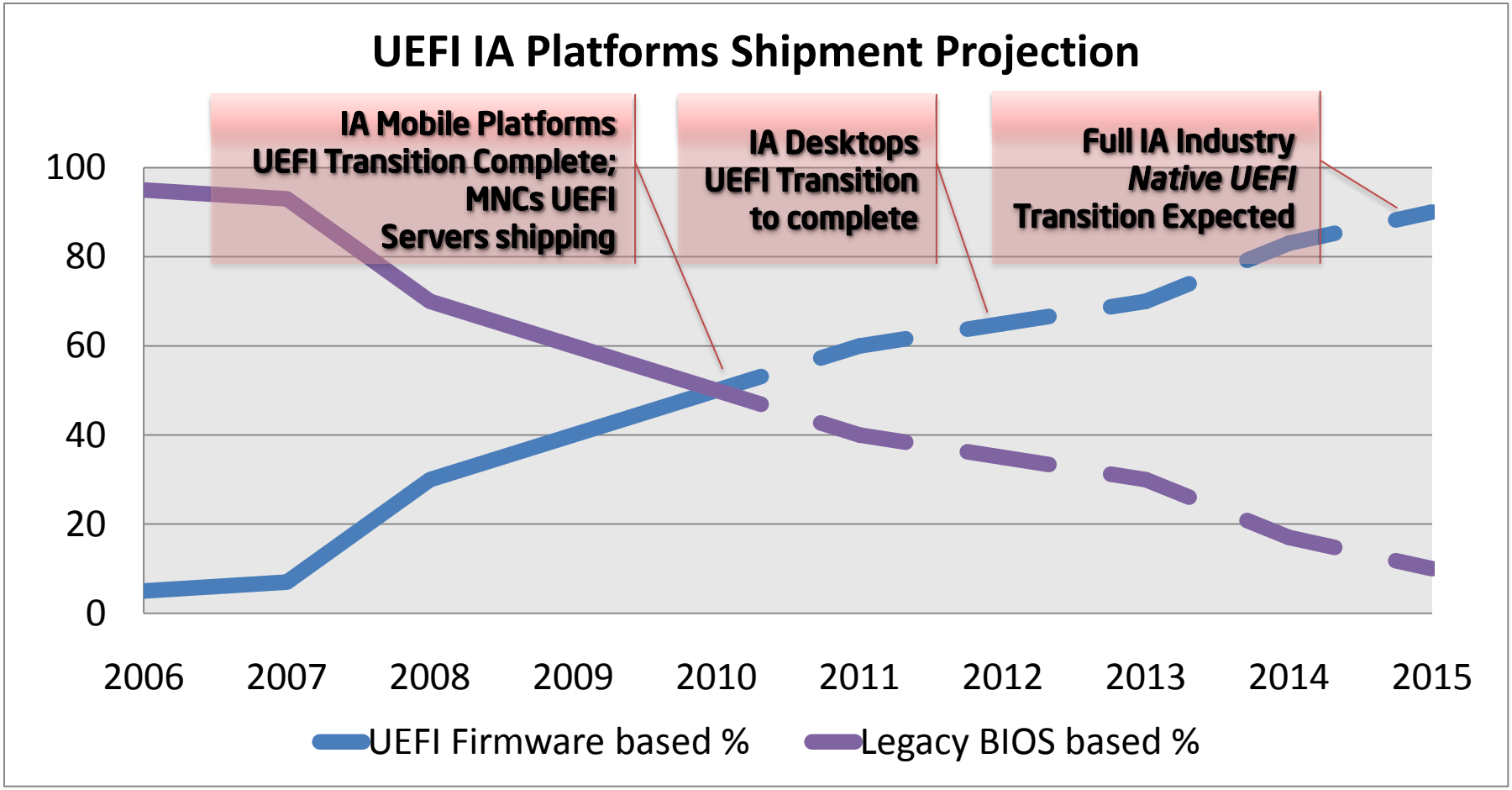
2011

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



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

ubuntu

Its Here! ubuntu 10.04 LTS www.ubuntu.com/getubuntu

suse

SUSE® Linux Enterprise 11

RED HAT ENTERPRISE LINUX

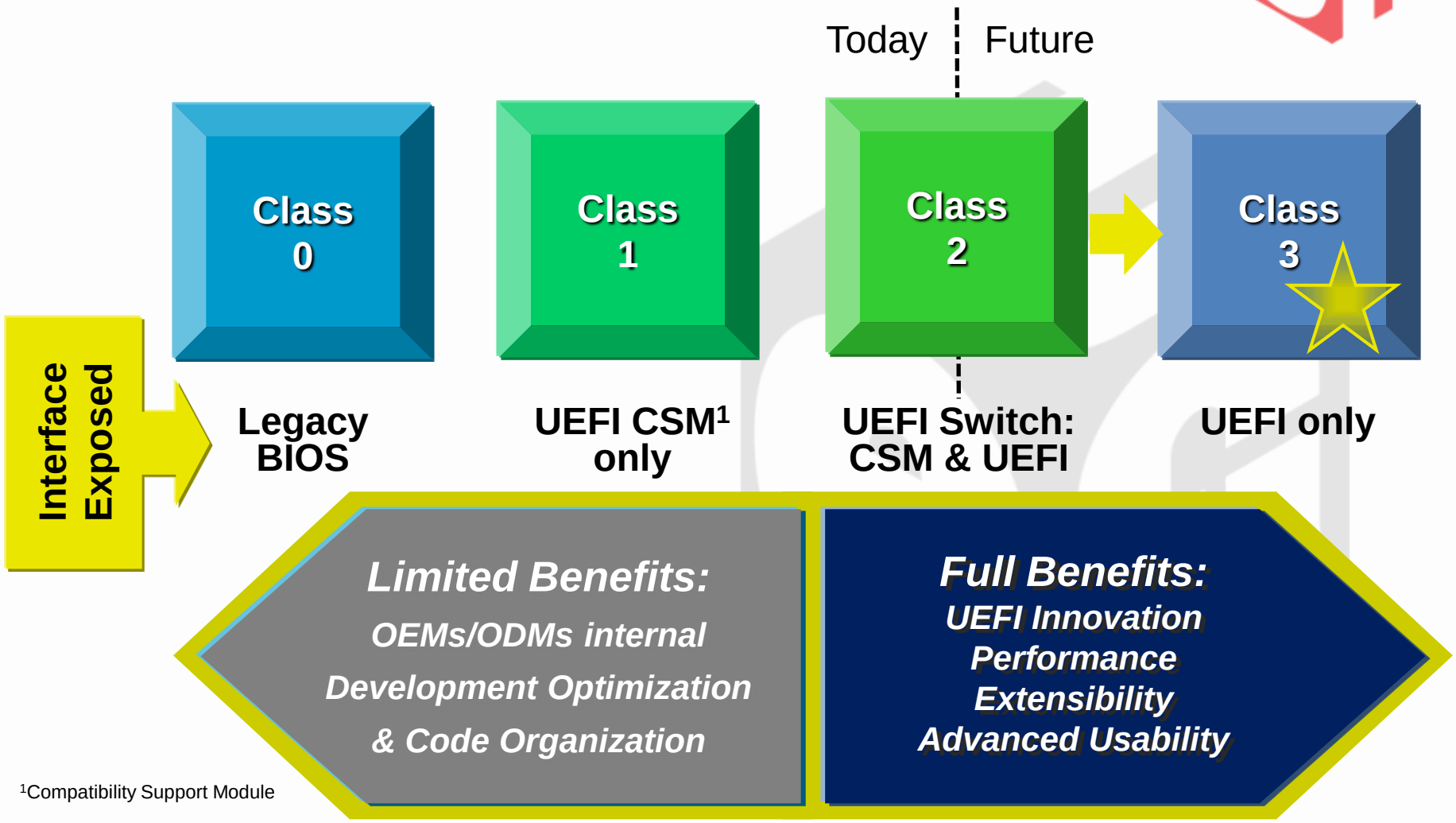
redhat

Novell

fedora

vmware

UEFI System Classes Based on Firmware I/F



[1]Compatibility Support Module

UEFI Specification Roadmap

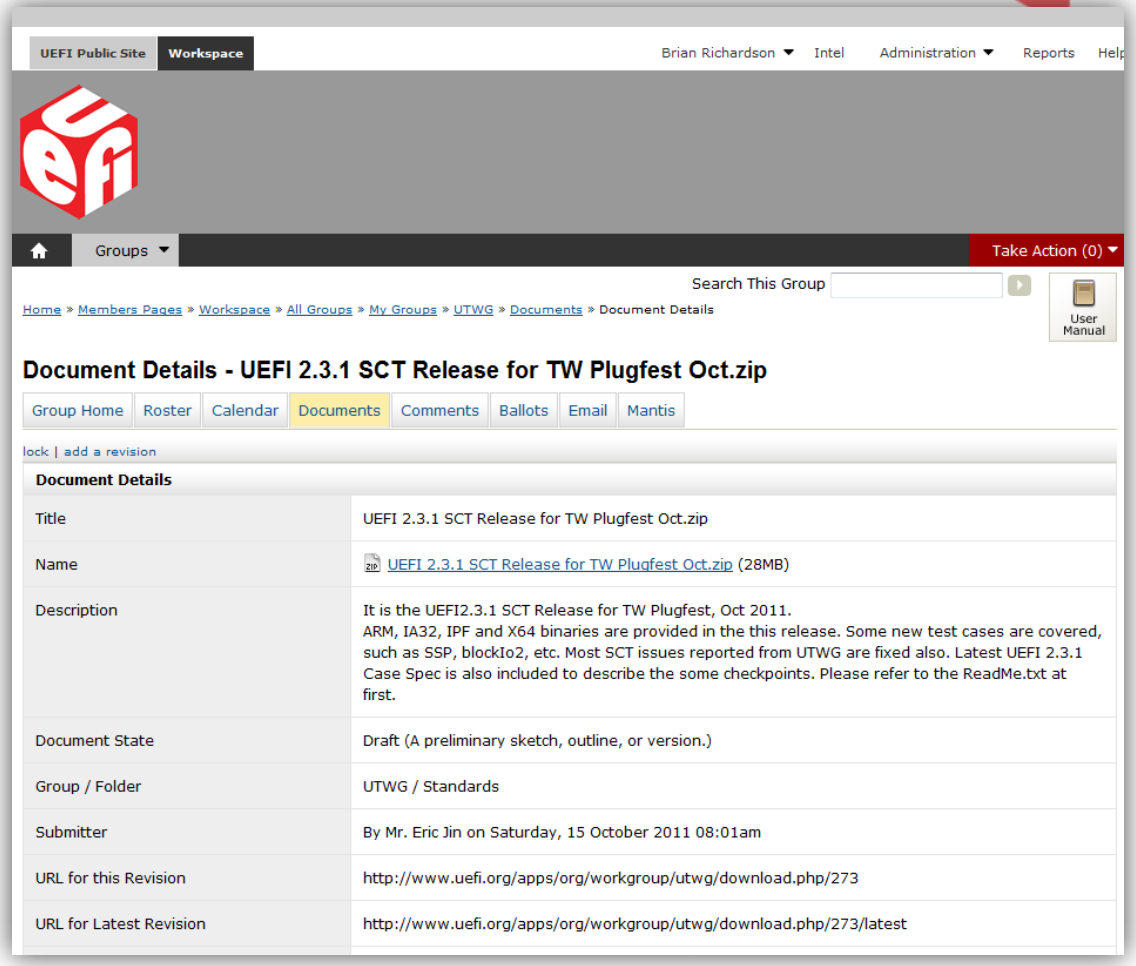
UEFI Specification	Current UEFI Spec: v2.3.1 approved April 8, 2011	Current Activities: Implementation and writer's guides
UEFI Shell Specification	Current Shell Spec: v2.0, approved Oct, 08	Current Activities Implementation support
PI Specification	Current PI Spec: v1.2, approved May, 09	Current Activities: Implementation support
UTWG Self-test Specification	Current version: SCT v2.3 released Jan. 11	Next Release: v2.3.1 SCT target April 2012
PI Distribution Package Specification	Current version: v1.0 released May, 09	Current Activities: Implementation support

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]



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 …

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

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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

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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