



What's New In UEFI?

Presented by Mark Doran,
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presented by



Agenda



State of the Boot
Latest Specifications
Bringing ACPI into the UEFI Forum
Status of SCT for UEFI 2.4
Recent Press Coverage
Upcoming Events
Summary

State of the Boot



The state of our boot is strong!

There's good news and not so good news

UEFI Secure Boot shipping and adding value

... not without some teething troubles

Looking at 2014, our focus must be on execution

Latest Specifications



UEFI Spec 2.4b

Errata updates released 4/14

No pacing item set for next revision

Shell Spec 2.1

Undergoing WG review

Platform Init Spec 1.3

Stable, no update plans

ACPI 5.0a – last errata update by ACPI SIG

Now ASWG takes over ...

Bringing ACPI into the UEFI Forum



ACPI ownership transferred in October 2013

ASWG formed and running as of Jan 2014

Lots of interest and activity!

Current plan is for two spec deliverables:

- Mid year: quick update with urgently needed features

- End of year/Q1'15: more expansive update

Status of UEFI SCT



UEFI SCT

- UEFI SCT 2.3.1c
 - Latest official release
- UEFI SCT 2.4
 - UTWG Development in GitHub
 - Alpha release in March 2014
 - Use for this event!
- In 2H14, removing EFI dependencies
 - Shell 1.0 (EDK Shell), ECP, ...

ACPI SCT

- UTWG decision ...
Develop ACPI SCT or endorse Canonical FWTS?
 - Currently evaluating FWTS
 - Interested parties should join UTWG
 - UTWG meetings are held as needed, typically on Tuesdays @ 3:00pm PST

Good Press...



UEFI expanding from PCs into mobile devices, even heavy equipment

By John Breeden II | May 13, 2013



HOME > TECHNOLOGIES > EMBEDDED > EMBEDDED DEVICES GIRD UP AGAINST CYBER THREATS

Embedded Devices Gird Up Against Cyber Threats

Separation kernels and virtual machines will be enlisted to protect networked embedded devices that are under attack from hackers, viruses, and other dangers.

William Wong

May 9, 2013



MARCH 26, 2013

Ultimate PC security requires UEFI -- and Windows 8 or Linux

Hackers can easily 'brick' computers with malicious firmware. UEFI effectively blocks that attack vector and costs nothing

By Roger A. Grimes | InfoWorld

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UEFI to make its way into mobile and non-PC markets

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By Adrian Kingsley-Hughes for Hardware 2.0 | May 9, 2013 -- 12:20 GMT (05:20 PDT)



New boot firmware a step toward 64-bit Windows RT

A standards organization moves the OS closer to 64 bit

By Agam Shah, IDG News Service | Hardware [f Like](#) [0](#) [g+1](#) [0](#)

And some perceptions to work on!



Untested buggy UEFI headed for prime-time

By Stiggherian Staff in Australian Technology, January 22, 2012, 11:24 AM PST

A leading Linux kernel developer says UEFI is big, bloated and bad for Linux.



The Free Software Foundation Campaigning to Stop UEFI SecureBoot

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DECEMBER 25, 2012 9:24 AM · RAVI MANDALIA · SOFTWARE · LEAVE A COMMENT



Installing Linux: The Good, Bad and Ugly

By Jack M. Germain
LinuxInsider
01/29/14 6:14 PM PT

Opinions vary on whether the UEFI standards are helping or hurting the migration to Linux.

How are we doing as an Ecosystem??



Delivering good specification content with valuable features



Delivering high quality implementations making end users' lives easier

Perhaps it's time to add focus on making sure the value we could deliver *is* delivered

Up for debate: should the Forum take more interest in implementation??

Upcoming Events



[LinuxCon North America](#)

Chicago, IL - August 20 - 22, 2014

The UEFI Forum is working with the Linux Foundation to present a full-day programming track on UEFI.

UEFI Fall Plugfest

October 2014 in Taipei. Details pending.

Summary



We've had a very successful couple of years
Spec and test work continues at impressive pace
Rewarded with increased scope and responsibilities
There is much opportunity still ahead of us!

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



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www.uefi.org