

New Firmware Security Requirements for the Modern Data Center

UEFI & ACPI:

www.uefi.org

- UEFI 2.6
- ACPI 6.1
- PI 1.4



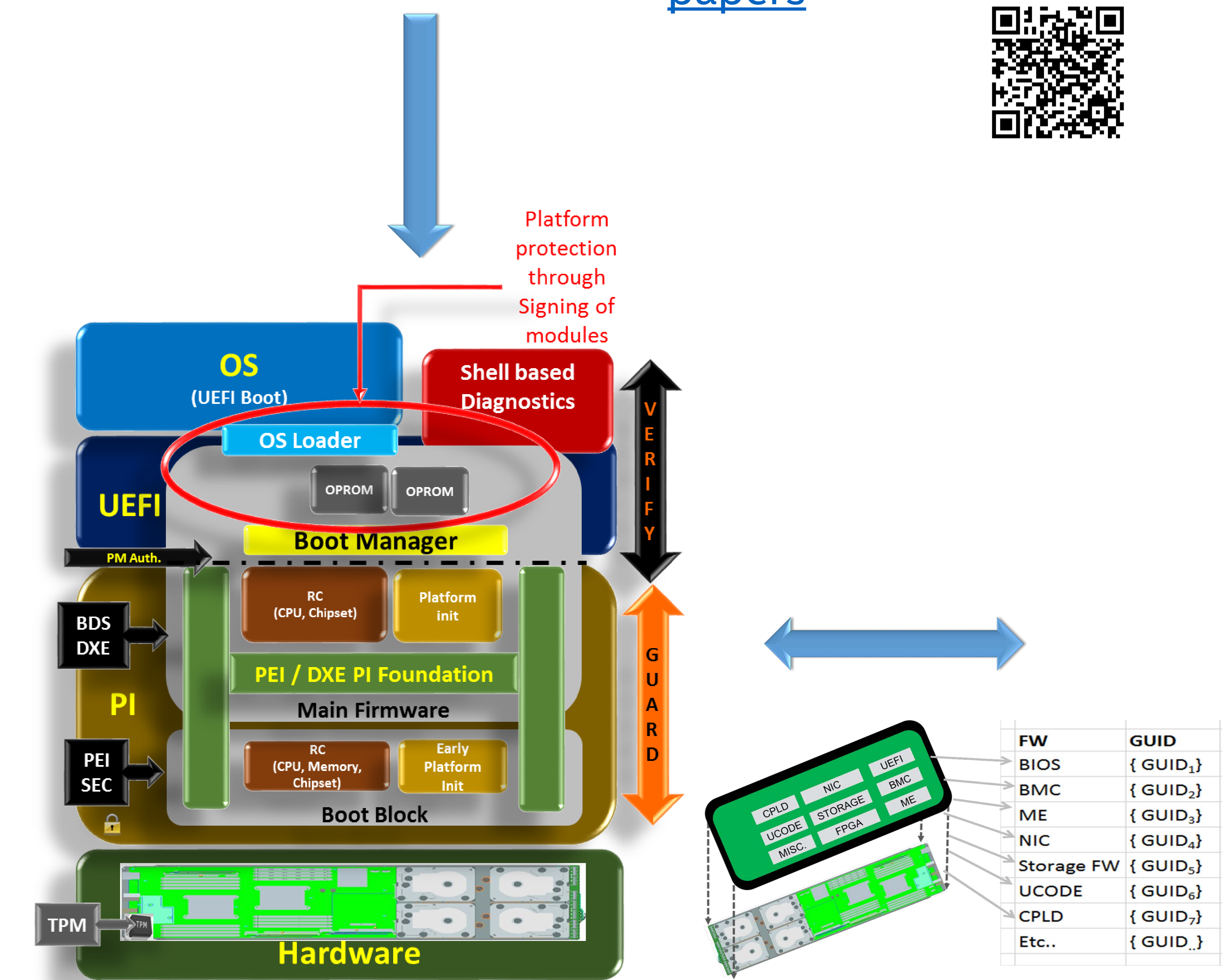
EDKII code base:

www.tianocore.org

- TPM2.0
- EFI Measured boot
- UEFI Secure boot
- EFI System Resource Table (ESRT)
- Capsule update

White papers -

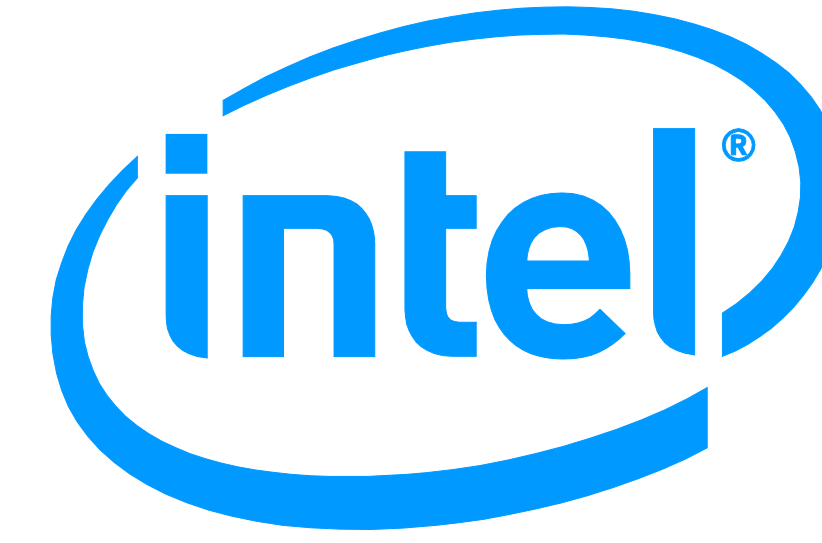
<https://github.com/tianocore/tianocore.github.io/wiki/EDK-II-white-papers>



Example ESRT

Server firmware
And platform elements

Updatable Firmware on server



Speakers

Vincent Zimmer

- Senior Principal Engineer – Intel Software and Services Group
- Chair of UEFI Network and security subteam

Deployment

- Trusted Execution Technology
<http://www.apress.com/9781430261483>
- Today's PXE boot
- iSCSI
- IPV4 and IPV6
- HTTP Boot
 - TLS for HTTP-S
- RAM Disk Protocol
- HII Registry
<http://www.uefi.org/registry>
- chipsec
<https://github.com/chipsec/chipsec>

