# New Firmware Security Requirements for the Modern Data Center

#### UEFI & ACPI:

## www.uefi.org

- UEFI 2.6
- ACPI 6.1
- PI 1.4



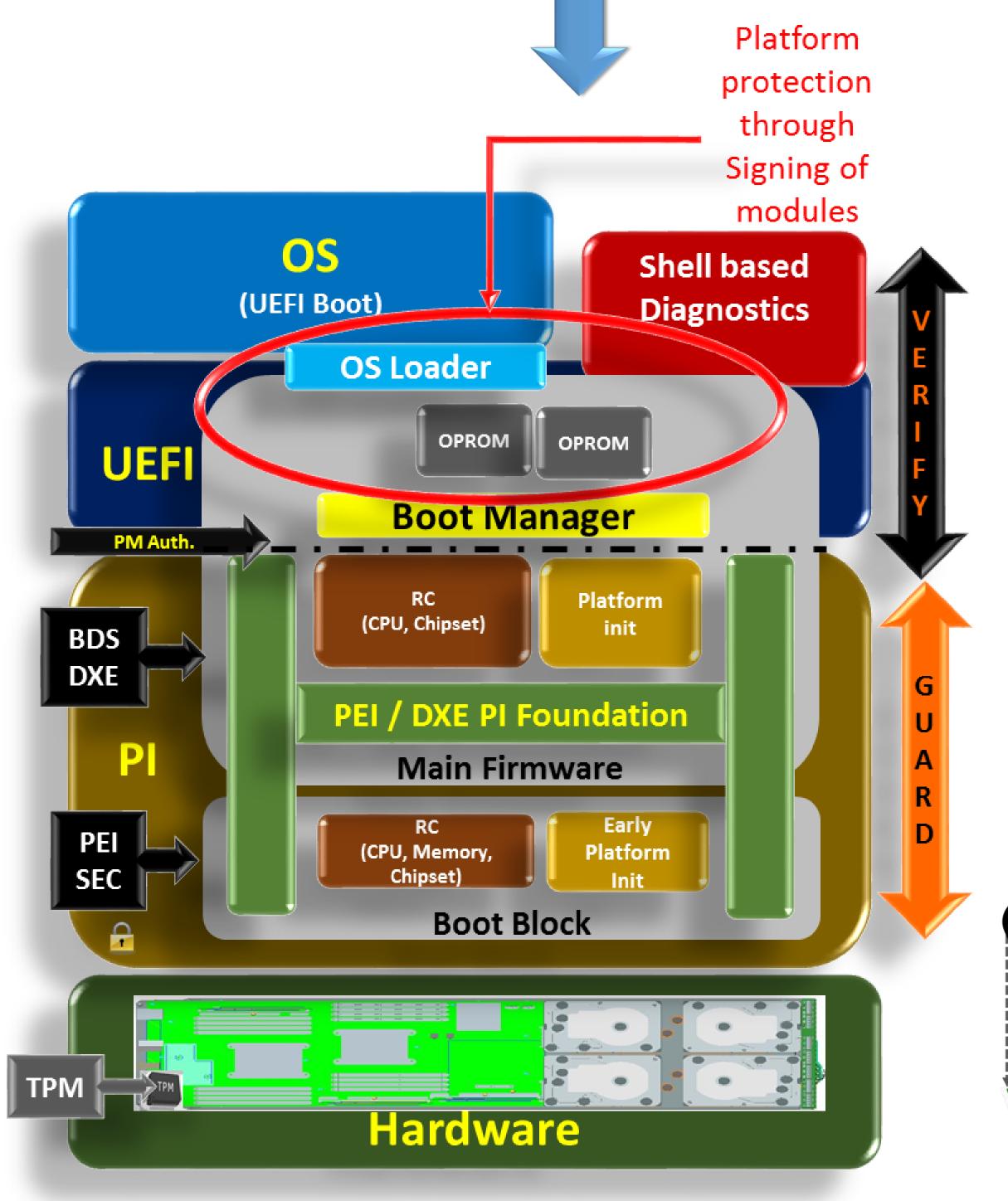
#### EDKII code base:

# www.tianocore.org

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

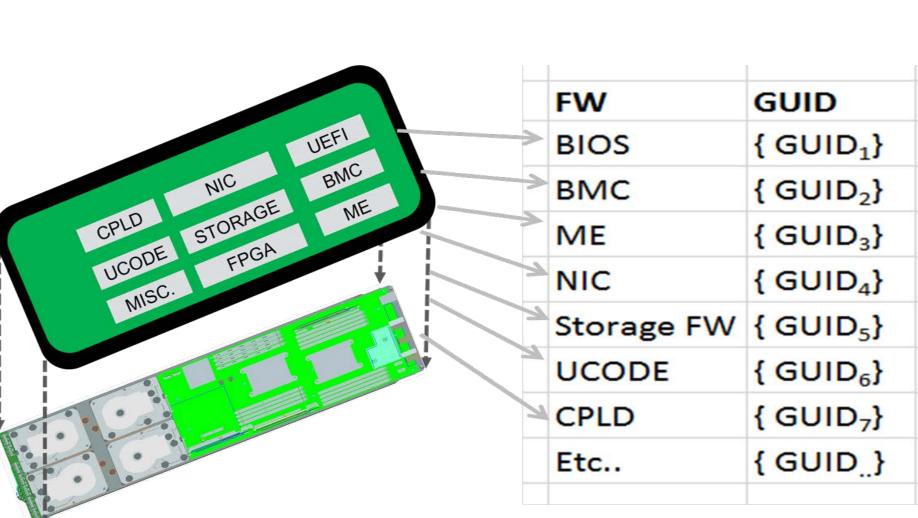
White papers - https://github.com/tian ocore/tianocore.github.i o/wiki/EDK-II-white-papers





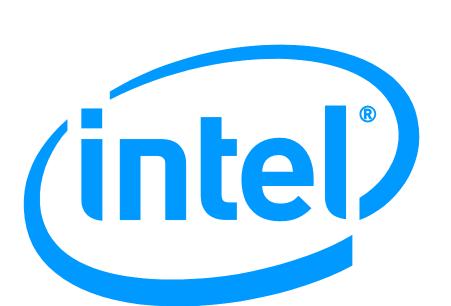
Server firmware
And platform elements

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Example ESRT

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.co
   m/9781430261483
- Today's PXE boot
- ISCSI
- IPV4 and IPV6
- HTTP Boot
  - TLS for HTTP-S
- RAM Disk Protocol
- HII Registry
   http://www.uefi.org/re
   gistry
- chipsec
   <a href="https://github.com/ch">https://github.com/ch</a>
   ipsec/chipsec

