

UEFI what the hell is wrong with windows 8/8.1

UEFI: The Unified Extensible Firmware is a specification that defines a software interface between an operating system and platform firmware

MBR vs GPT

- MBR is old partitioning scheme which limited disk size to 2 Tb and allows only four partitions, if you want more partitions you have partition as logical/extended.
- While GPT (GUID Partition Table) is new partitioning scheme which allows partitioning upto 8 Zb and allows 128 partitions and it is by default used in MAC and other server systems.

where is uefi in gpt/mbr

- Gpt was basically introduced as a part of UEFI, gpt is fully self-identifying with features like backup and other options it was designed to replace old mbr, gpt creates its own partition of fat32 type and with
- Uefi is compatible with both mbr and gpt, windows launched uefi to make their new oses less vulnerable and it also tried to established its monopoly for desktop systems with pre-installed windows 8

Is uefi is really secure

- As we all know that uefi uses digital certificates signed by verisign and maybe other companies but, didn't verisign get hacked many times and flame malware was able to reproduce microsoft's keys, so the acclaimed SECURE boot might be secure than BIOS but its not unhackable (well nothing is unhackable) so

UEFI what does it actually does

- Its basically based on efi but all the vendors have created a unified version for improved compatibility and security
- Because of uefi, anyone cannot write unsigned images, they need to be certified from microsoft or any other signing authority
- Uefi supports bios emulation as legacy mode, and it can also work on top of bios
- uefi code basically written in c and also provides access to kernel to nvram in a state of kernel panic