



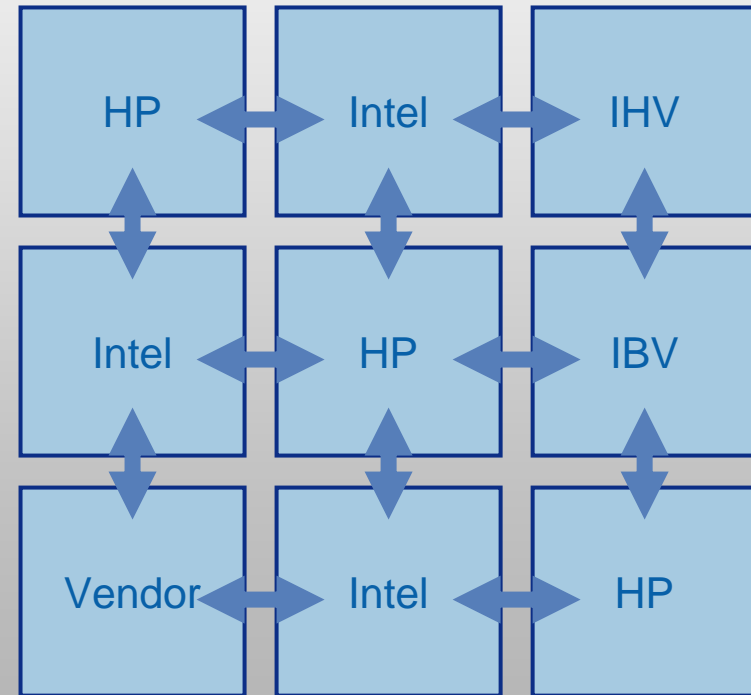
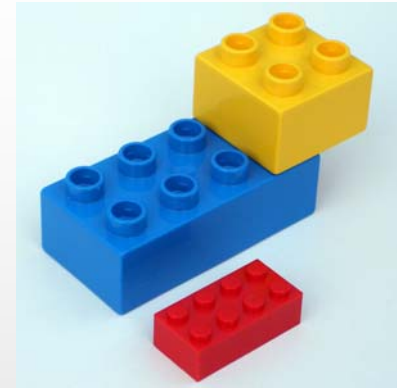
Sharing UEFI Code at HP

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Some UEFI Benefits for HP

- Modern architecture
 - Easier to support, differentiate
- Fully specified
 - Compliance tests ensure higher quality
- Modular
 - Build/buy/share/reuse modules independently
 - Systematic tests for interfaces between modules



Sharing within groups

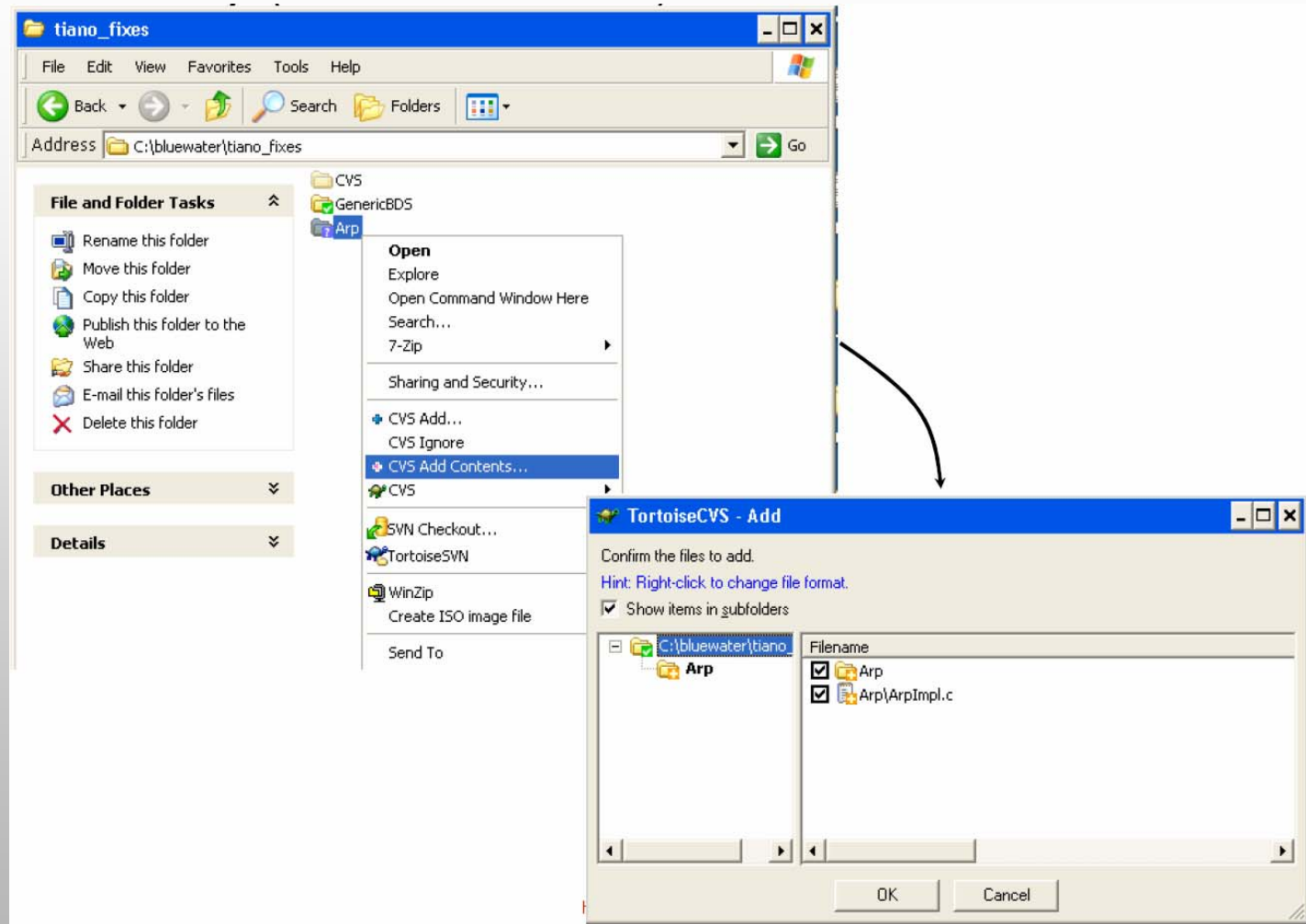
- Obvious
- Done today
 - Reuse n^{th} generation code in $(n+1)^{\text{th}}$ generation project
 - Reuse across different n^{th} generation projects
- UEFI/PI do not bring major changes
 - Easier to move features to different platforms if “done right”
 - More overhead to do things right
 - Takes self-discipline to enforce

Why share across groups?

- Leverage firmware work across groups
 - “Write once, run anywhere”
- Avoid duplicate development
- Make consistency least-effort
 - common look-and-feel for printer and PC features
- Share bugfixes for common code

How it works

- Guidelines
- Central CVS repository
- Mailing list



Ownership models

- Original uploader is owner (default)
- First modifier is owner
- Last modifier is owner
- Explicit ownership with co-development
- Effort needed to keep healthy repository

Sample shared modules across groups



Filesystem

CSM

Graphics

Networking

NVRAM

Computrace

Memory

Preload

Management

HII

(does not show sharing within one group)

Q&A