



Raw Flash: The Price and Performance Winner

Tim Stoutamore
Principal Engineer
Blunk Microsystems, LLC



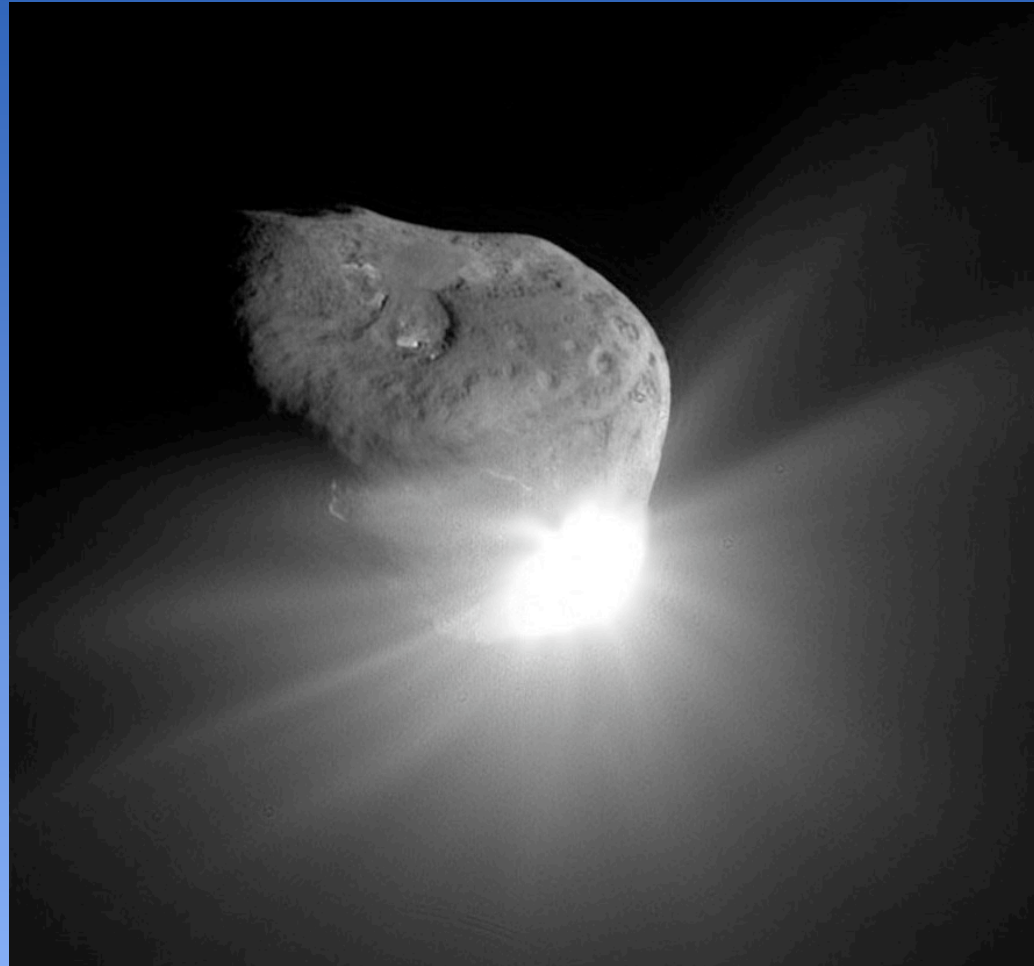
Blunk Microsystems

Since 1995

Dashboard Navigation System



JPL Deep Impact



Cell Phones





Flash Centric

API

FFS

Flash



Inherent Advantages

Better Garbage Collection Performance



Dirty Page Types

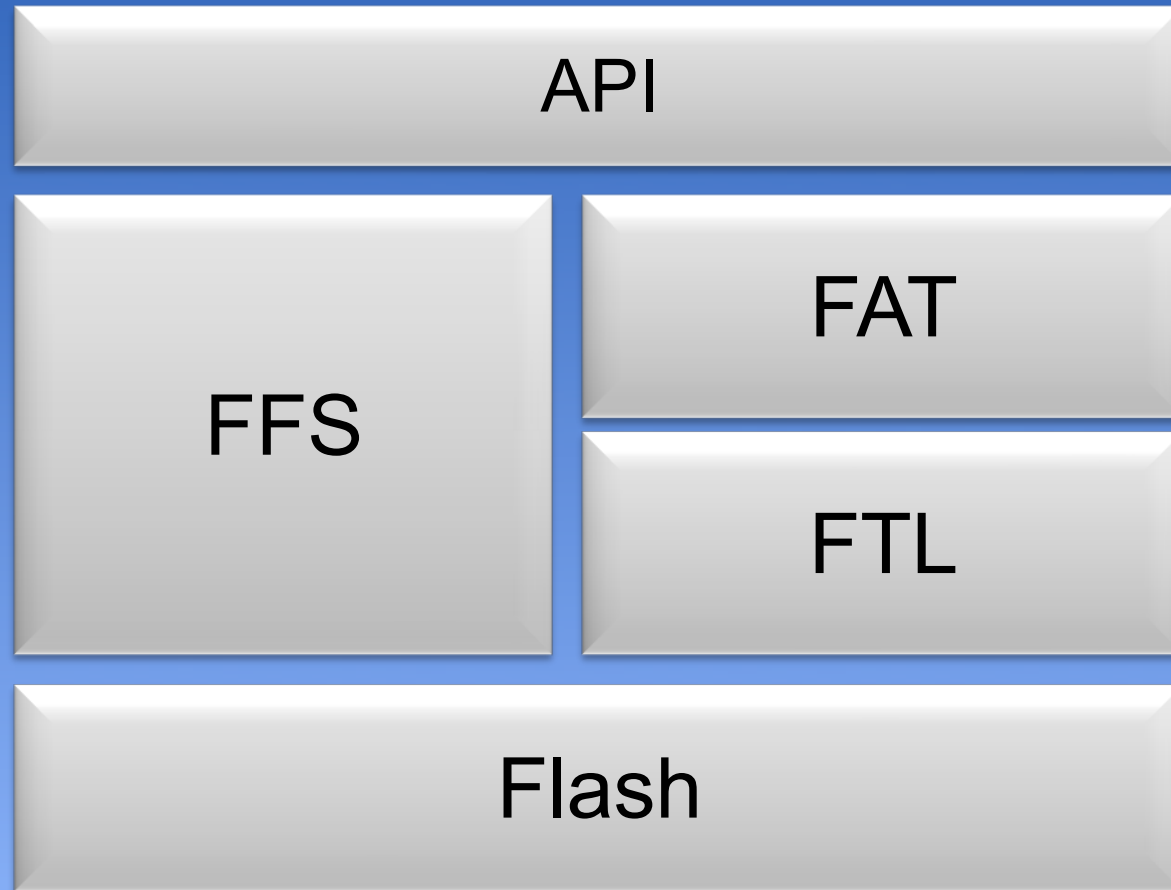
- Overwritten Pages
- Deleted Files



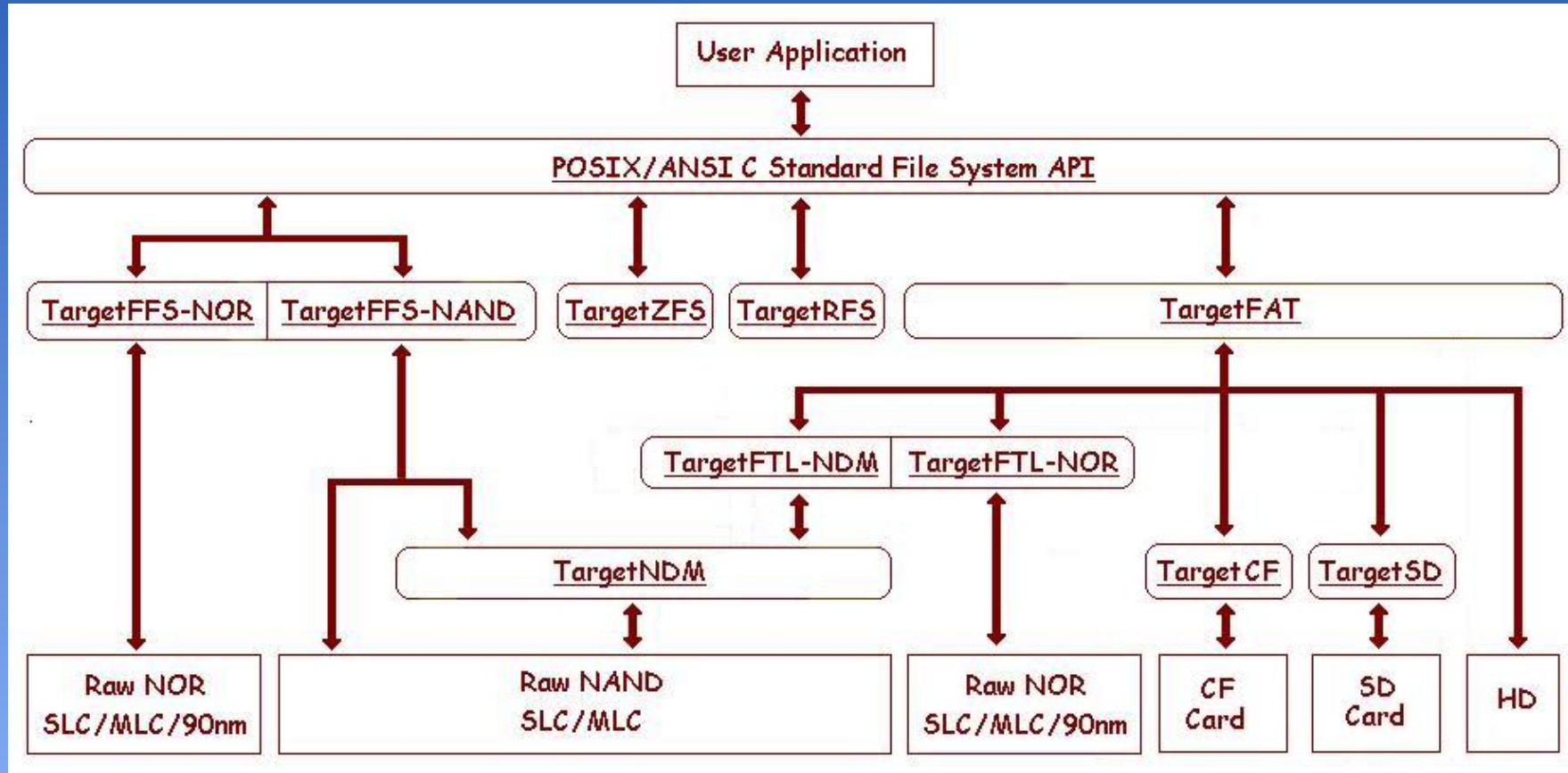
Enables Special Features

- Links
- Directory Quotas
- Access Permissions

FAT Also

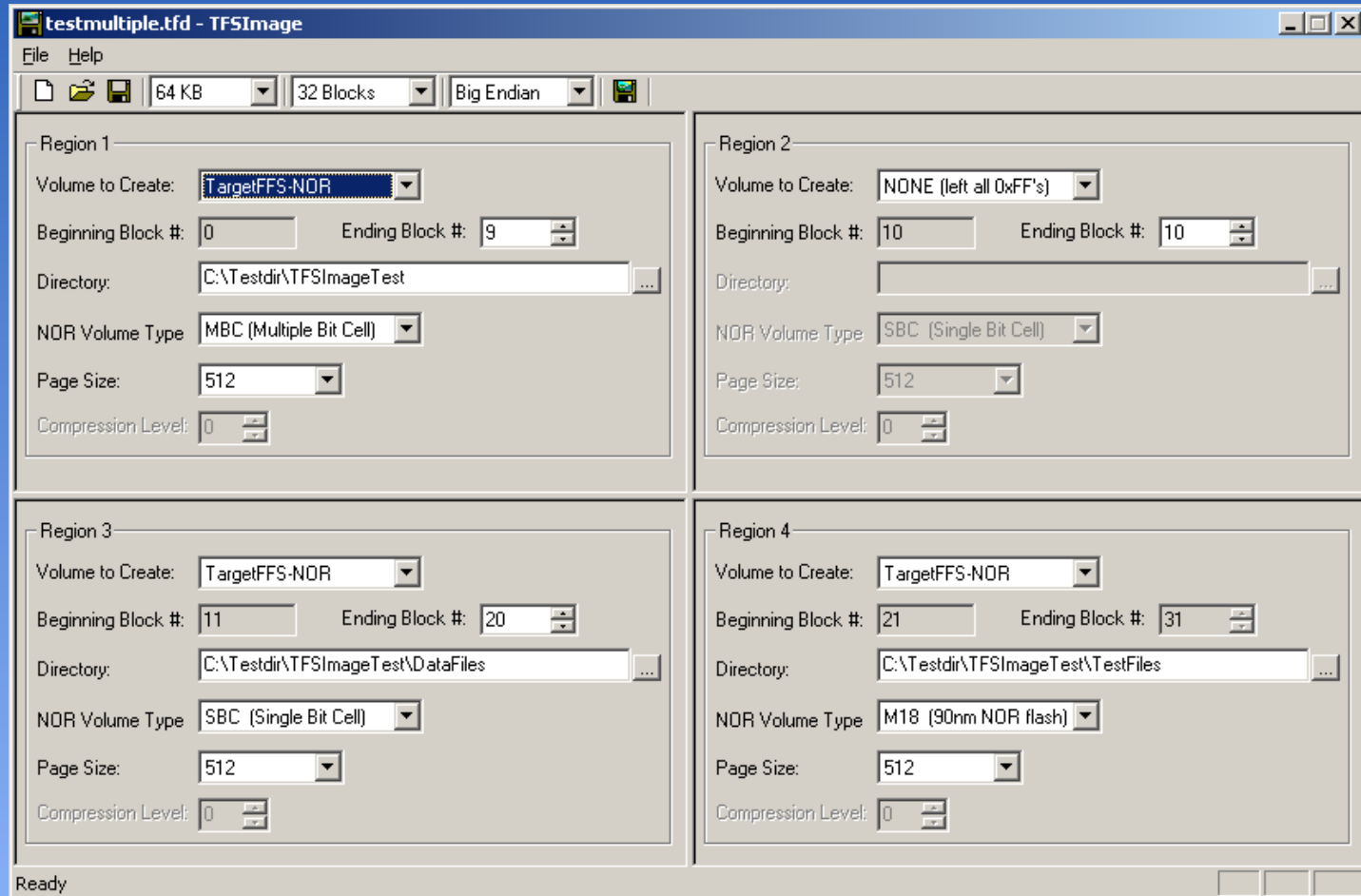


Full Spectrum of Products





Binary Image Tool



Flash Test System





Conclusion

Successful flash file systems can be implemented using raw flash chips.