

README on the contents of this folder

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"figures" in Folder "Atomic-Ethernet/Æ-Specifications-ETH

There are no figures (yet) in this folder. All references should be in the ../Figures folder one directory above this.

../Figures

There is also a top level FIGURES folder in iCloud Drive. Ideally we access this from a TOP DOWN absolute path, but MacOS currently has a space in the path name to prevent this:

/Users/paulborrill/Library/Mobile Documents/com apple Cloud-Docs/FIGURES

We can try modifying this:

/Users/paulborrill/Library/Mobile Documents/com apple Cloud-Docs/FIGURES NOT YET TRIED – NOT NEEDED (SEE BELOW for Pathname with space in it)

We could possibly also access the folder with a relative path:

../../FIGURES

Testing from the Relative (2 directories up Figures Folder [THIS WORKS]

Testing from the FIGURES Folder [THIS WORKS]

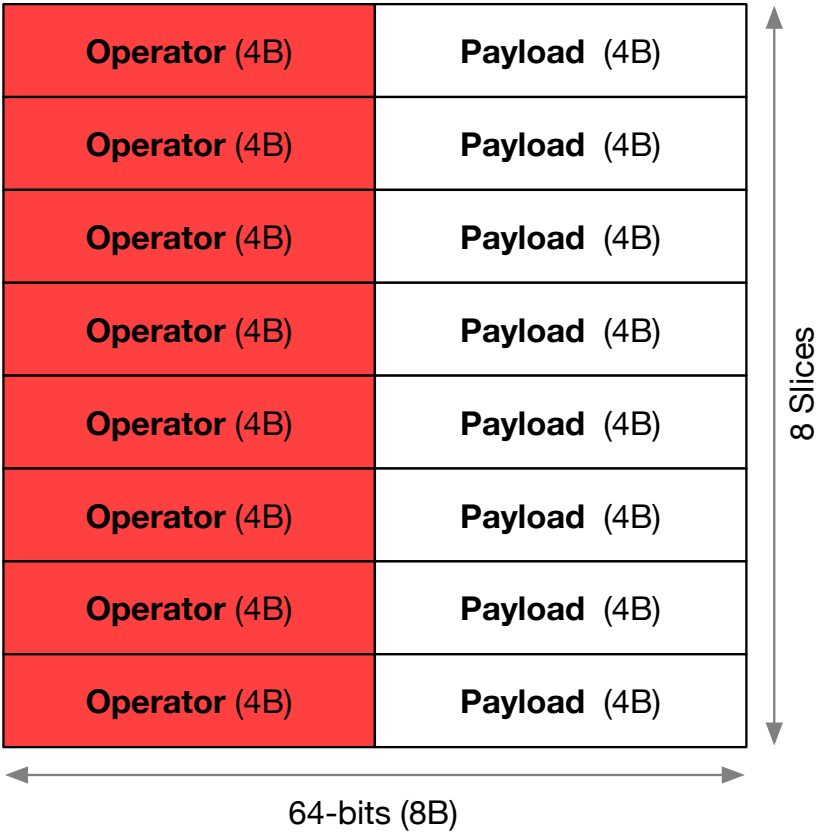


Figure 1: Flow Transactions in Atomic Ethernet – 8 independent transactions in one SACK-Acknowledged Frame

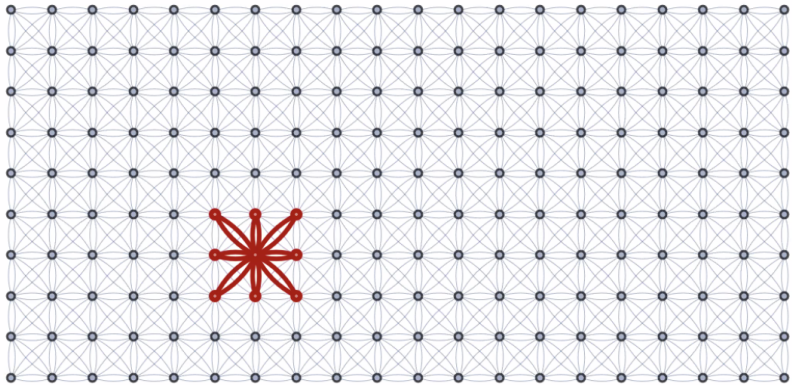


Figure 2: Chiplet GROUNDPLANE Abstract Physical Space (lowest layer in CHIPLET Æthernet)

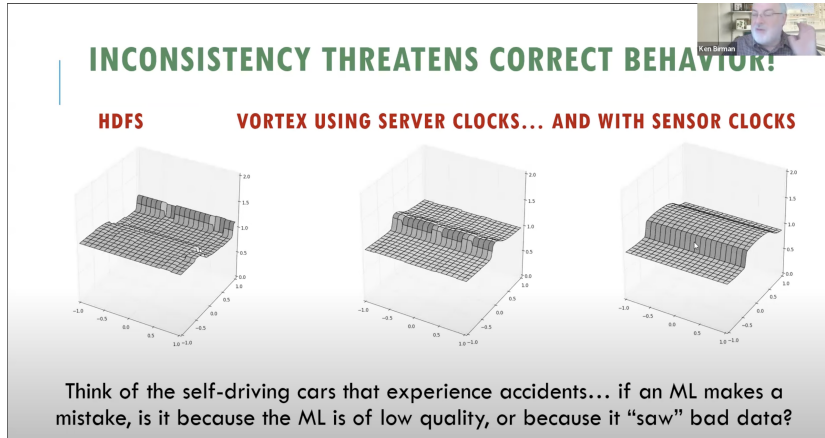
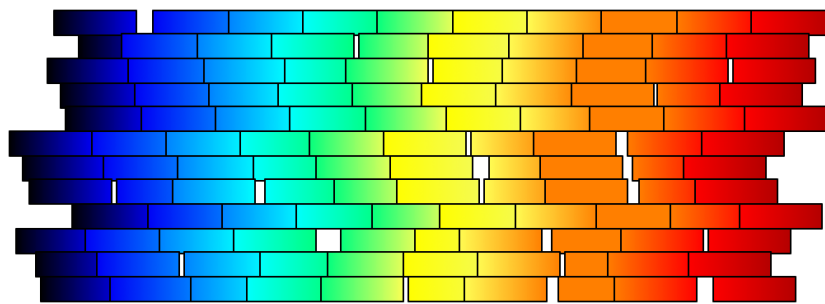


Figure 3: Ken Birman's Vortex

Inspired by Ken Birman's Vortex

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¹ Vortex Video

Figure 4: Synchronization Flow without Atomic Ethernet

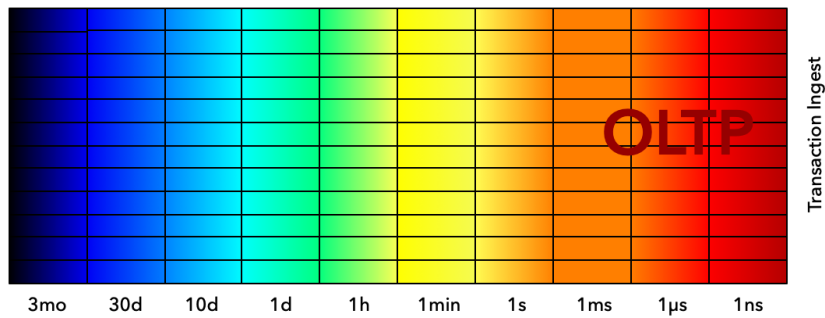


Figure 5: Synchronization Flow with Æthernet. Imagine row of Racks (10 Rows each with 12 servers). OR a Chiplet motherboard populated with 120 SmartNICs / IPUs

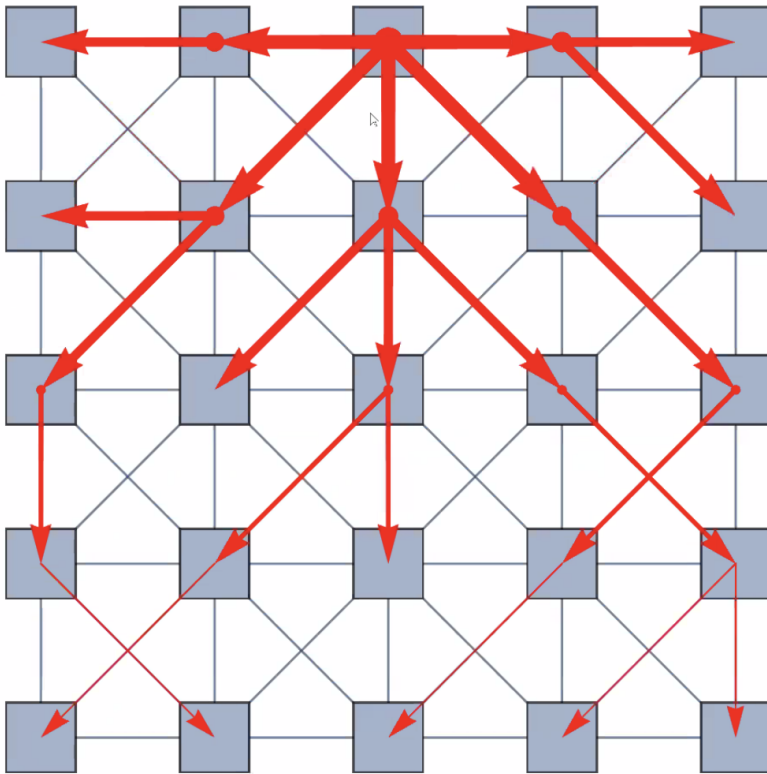


Figure 6: Fat Tree for Time distribution