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Micro Server in Open Vault Storage

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From JBOD to Storage Server

Current:

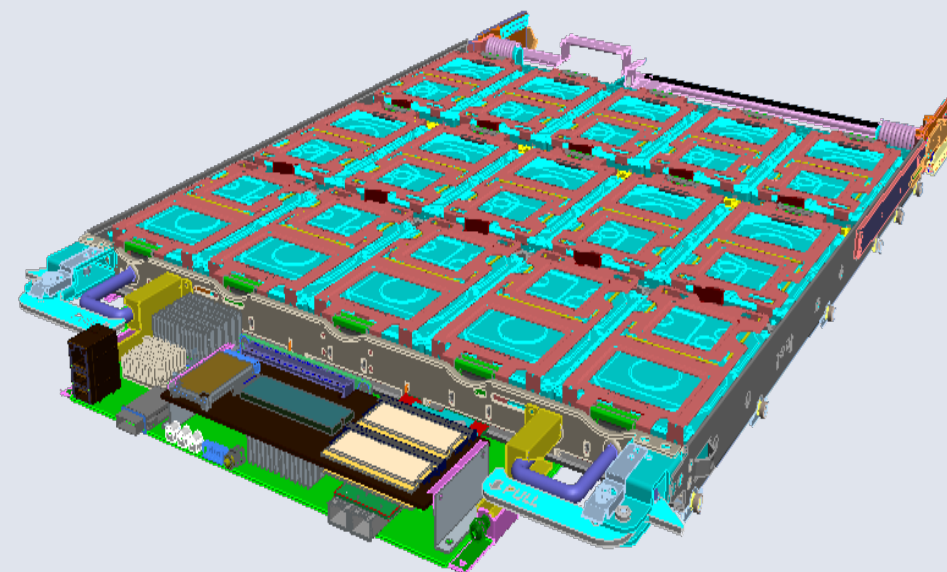
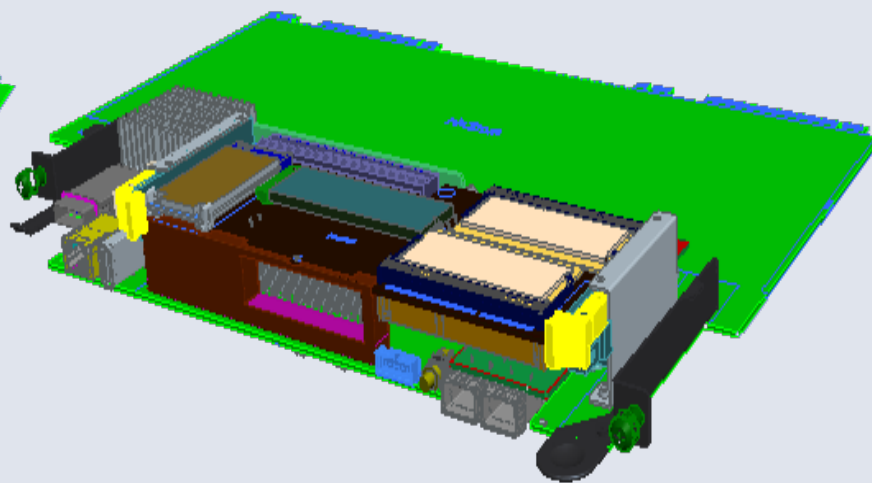
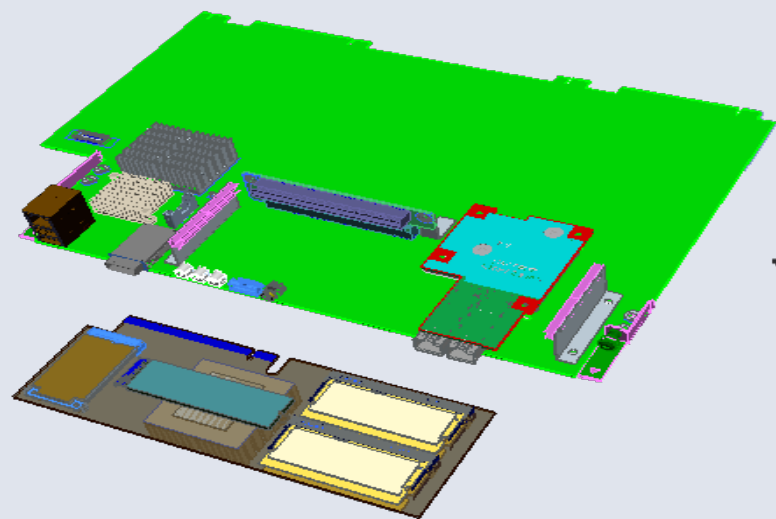
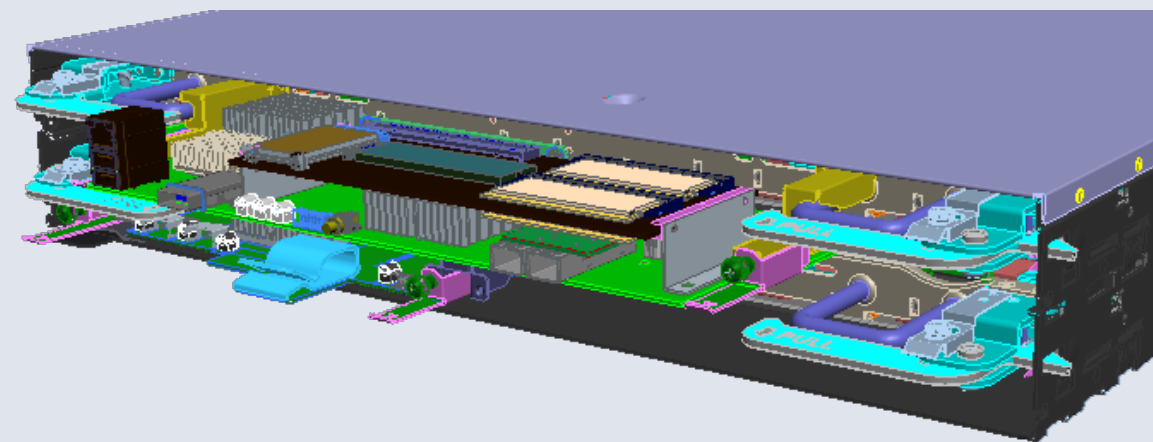
- **Open Vault Storage – Knox**
 - SAS/SATA JBOD
- **Paired with OCP Server – Winterfell**
 - Extra space
 - Costly
 - Fixed compute to drive ratio



From JBOD to Storage Server

Future:

- **Honey Badger – uServer in Open Vault**
 - OCP standard uServer card
 - Baseboard: Storage HBA & BMC
 - OCP 10G Mezz card
 - Compact design
 - Cost effective light weight storage server



Micro Server Card – Panther+

X86 uServer Card:

- Avoton SoC
 - 8 cores or 4 cores
 - TDP < 20W
- **DDR3 SODIMM ECC**
 - 32GB Max
- **mSATA SSD**
 - Boot / Logging
- **NGFF Flash Module**
 - Index / Cache
 - SATA or PCI-E



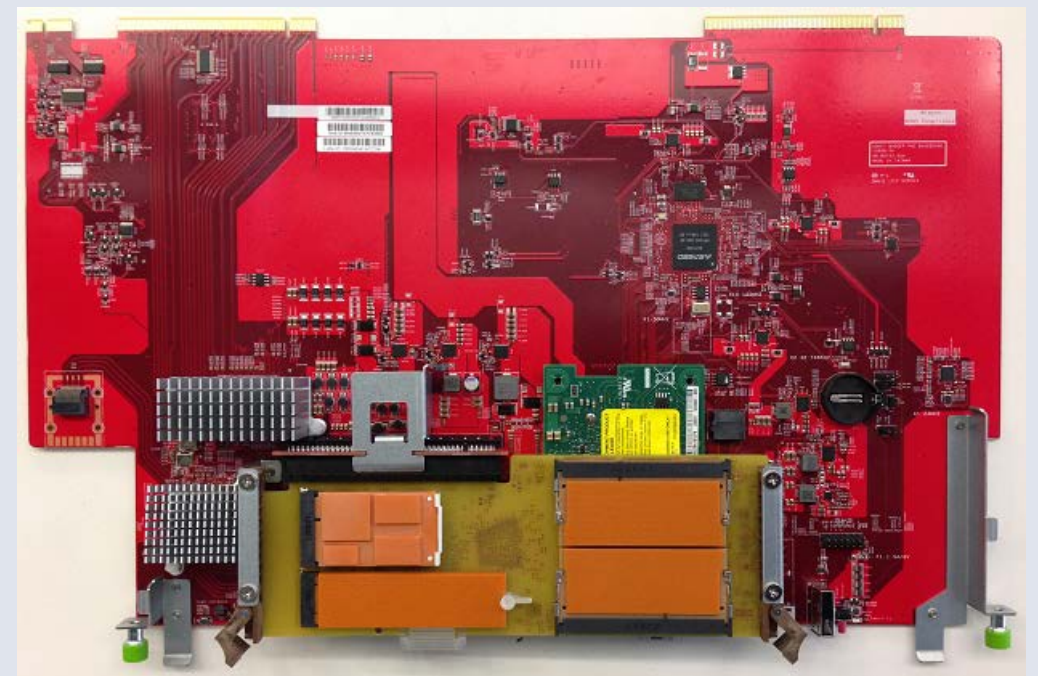
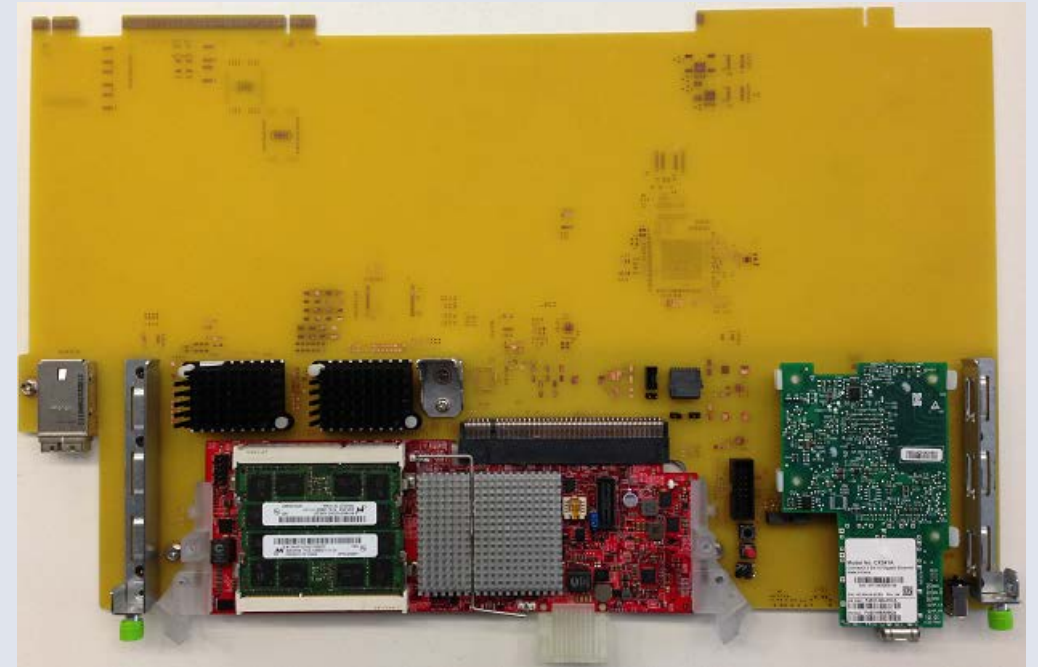
Micro Server Card + Storage HBA

Use Cases:

- Light weight application software
 - Haystack
- Way to disaggregation compute & storage
 - Data node

Maximize Flexibility:

- More uServer cards under developing
 - X86 or ARM based
- More OCP Mezz cards are coming
 - FC
 - FCoE
 - iSCSI



See you in **Q & A** session later!