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# MWT2 Site Report

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US ATLAS Facilities Meeting at Argonne  
December 3, 2018

# MWT2

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- Current Status
- 2019 Retirements
- FY18 Plans
- FY19 Plans



# Current Status

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- Compute
  - 21688 cores total across UC, IU, and UIUC (231345 HS06)
  - All UC and UIUC WNs running SL7/CentOS7; IU still SL6/SL7
- Storage
  - 8530 TB production dCache storage



# 2019 Retirements

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- UC
  - 2013 R720s and MD1200s: uct2-s(15..20)
  - ~1 PB of production dCache storage
- IU
  - No plans for retirement; only candidates would be 10 PE1950s still in the worker pool
- UIUC
  - 2013 WNs will be retired March 3, 2019 per ICCP policy
  - 1664 cores, 16856 HS06 (row 59 in the v47 tab)



# FY18 – UC

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- \$84k remaining at UC for FY18
- Partial storage replacement if s15–20 are retired in 2019?
- Currently over pledge for 2019, but retiring all six R720s will bring us under pledge (7450 TB without shelf replacements)
- Room for expansion from the last storage purchase – can add up to six MD1200s (98 TB per shelf, 588 TB total with six shelves) without adding an additional head node

# FY18 – IU, UIUC

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- UIUC (\$240k remaining for FY18)
  - Compute
  - Edge node (caching and other edge services)
  - (storage from UC)
- IU (\$127k remaining at IU for FY18)
  - Compute
  - Edge node (caching & other edge services)
  - (storage from UC)



# 2019 plans

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- Storage
  - Currently over pledge, but will be under with retirements
- Compute
  - Primary focus for both IU and UIUC
  - Plan for retirements

# 2019 plans

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- Network upgrades
  - Will need to factor in at least one additional switch for any WN expansion at UC
  - Also running out of switch space in the UC storage and management aisles
- Managed edge services
  - Currently using the development SLATE hardware for testing
  - Need to purchase a production SLATE node for all three sites
  - Containerized Xcache (centrally managed), Squid, HTCondor, HTCondorCE

