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Title: ECP STPR17-121 highlights slide

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MTT maintenance/deployment on ECP platforms

ECP WBS 2.3.1.17 /OMPI-X

Epic/Story [STPR17-121](#)

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Members ORNL, LANL, LLNL, SNL, UTK

Scope and objectives

- ECP OMPI-X develops a production grade MPI library
- Leverage ECP Gitlab-based CI testing to improve CI coverage of Open MPI using DOE systems such as ALCF
- MTT maintenance and deployment on ECP early access systems (ORNL Crusher, ALCF Sunspot systems)

Impact

- **Improved code quality:** Code does not enter Open MPI code base without PR-based CI testing. Improve support for testing Open MPI/GPU interoperability
- **Improved time to release:** Better code quality in master means faster time to release

Deliverables Progress report for milestone [STPR17-121](#). Relevant commits and issues in Github repos

Effective solution for Community and ECP

- ECP Gitlab-based CI useful for certain testing use cases, in particular nightly runs of spack/E4S testing.
- ECP Gitlab-based CI useful for testing on resources such as ALCF and LANL testbeds

Project accomplishment

- Started nightly testing on ALCF Sunspot system using Intel One API compilers.
- Testing on ANL Arcticus caught numerous Intel OneAPI related issues

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