

What is new in Charm 6.10?

- License updated to clarify commercial restrictions
- Documentation now in rst and on readthedocs.io
- Repository <https://github.com/UIUC-PPI/charm.git>
- Issue tracking moved from Redmine to Github
- Buildcmake for cmake instead of autoconf
- Charm++ is `-std=c++17` compatible
- perfReport updated for end of run analysis

New Charm++ Features

- Zero Copy
 - Broadcast API
 - CkNcpyStatus return value to poll for completion
 - Zero copy post API → no receive side copying
- CkWithinNodeBroadcast [nokeep]
- Mainchare not required in user-driver interop mode
- Streamable section reductions
- Record/replay supported in SMP mode
- Charmdebug works with SMP mode
- CkAbort supports format strings with arguments