

BENCHMARK

Nx Cloud Platform vs Nx Using Remote Cache Only

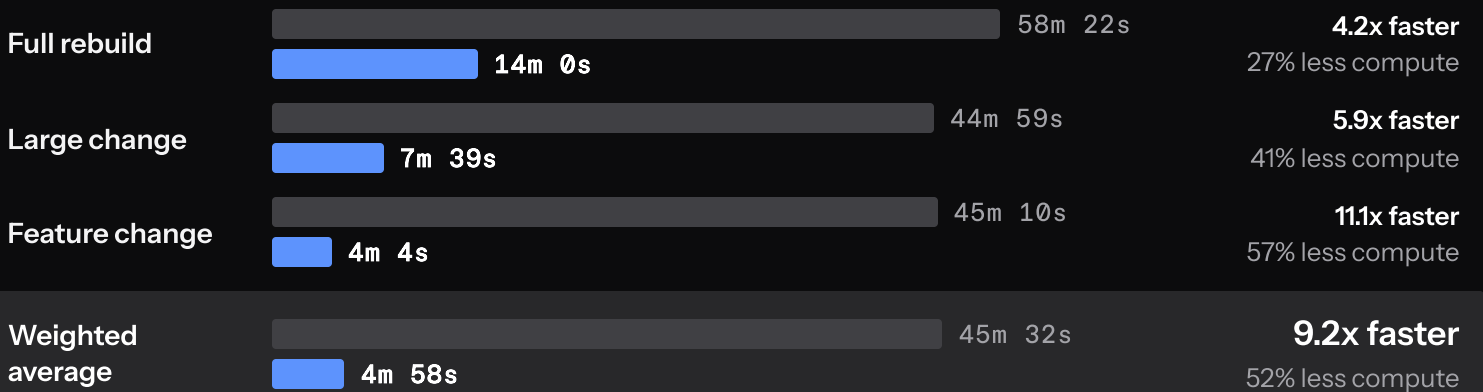
9x faster while using 52% less compute

Save compute by running less work and running it more efficiently. Ultracache increases cache hit rates beyond traditional remote caching, while Nx Cloud packs the remaining tasks to reduce VM minutes.

VERIFICATION TIME

Remote cache only

Nx Cloud (Ultracache + Dynamic Task Packing)



Verification time is the wall-clock time. Verification compute is the total machine time consumed across every VM or agent. Weighted average assumes 80% feature changes, 17% large changes, and 3% full rebuilds.

Ultracache

Ultracache observes which files each task actually reads and writes instead of relying on manually declared inputs and outputs. This increases cache hit rates while ensuring cache configuration is always correct. Requires Nx Cloud's task distribution.

Dynamic Task Packing

Nx Cloud learns task durations, CPU and RAM needs, and critical paths. It dynamically packs tasks to keep VMs near capacity, reducing CI time and VM minutes while automatically adjusting as your workspace grows.

511 projects 1,634 tasks in a full CI run 100 e2e test slices

The baseline uses the same repository using only remote caching, without Ultracache, Nx Agents, or distributed task execution. It represents Nx Cloud remote caching or a DIY caching solution.

[See the full benchmark](#)

nx.dev/nx-cloud