

gem5 bootcamp: Latin America 2024

Some things to get you started before
the bootcamp



Pre-bootcamp Reading

If you want to get familiar with gem5

These papers are good to skim. You do not need to read carefully.

- The original gem5 paper: [The gem5 simulator](#)
- The gem5-20 paper: [The gem5Simulator: Version 20.0+](#)

The "original" paper was published in 2011 just after m5 and GEMS combined to form gem5 and is a good overview of the simulator architecture and models included at that time.

The new gem5-20 paper discusses the changes since the 2011 paper and provides an overview of the current models in gem5.



Pre-bootcamp prep

The prerequisites for the bootcamp:

- Undergraduate computer architecture
 - Memory architecture
 - Caches
 - In-order and out-of-order processor design
 - Multicore architecture and cache coherence
- C++
- Python
 - The [next slidedeck](#) covers a python reminder