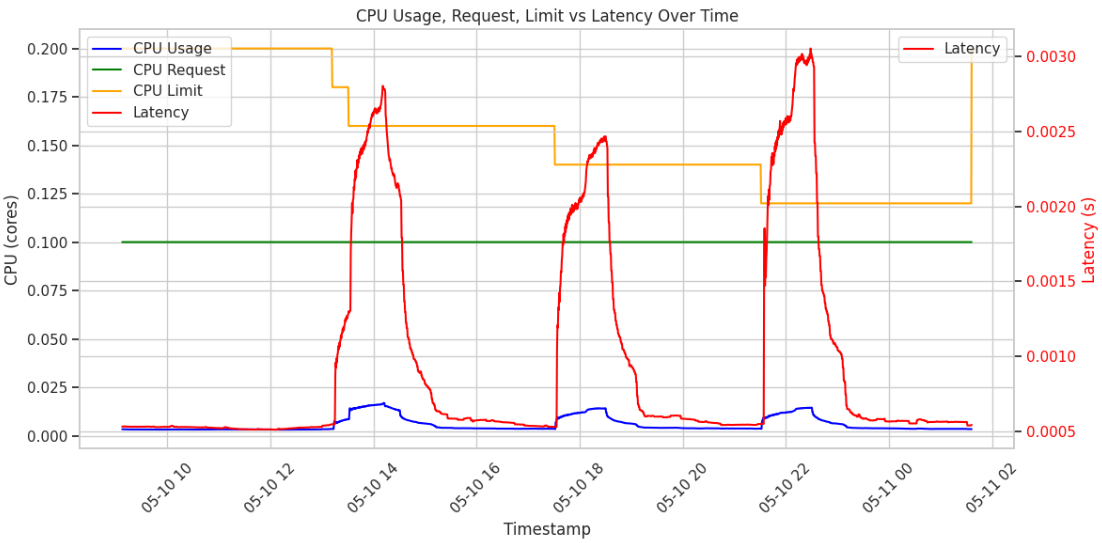
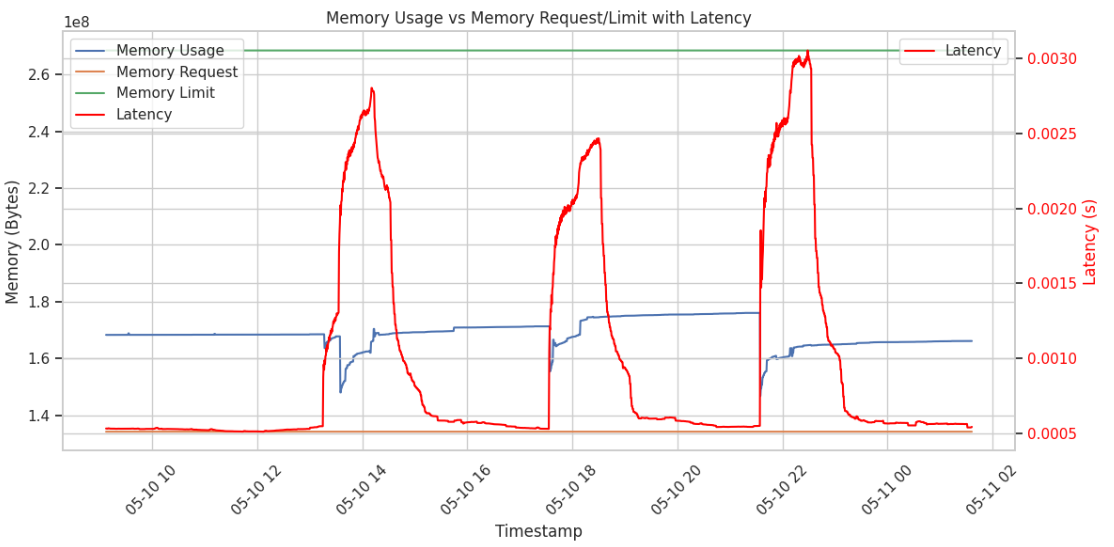
# HashGen Service





* Latency correlates strongly with CPU usage spikes. So, this service is CPU intensive.
* Post-spike, once CPU usage drops, latency returns to low values, indicating no long-term system degradation.
* A slight latency increment at the end indicates:
  + Memory/CPU fragmentation
  + Increased queuing delays due to reduction of CPU
  + Application-level slowdown due to frequent container resource patching (As we’re dynamically reducing limits)
* At each latency spike, memory usage falls rapidly, implying memory is being released & container is restarted.
* The increasing slope before the drop suggests gradual memory accumulation, e.g., from unfreed objects or request buffers not being released.