**REFLECTION**

When I looked at my own laptop, I noticed that the CPU was the most underutilized part. On average, I only used about 1.5% of the CPU, which means 98.5% was basically sitting idle. Since the CPU cost about $360, that comes out to around $354.60 of wasted value just from that one part. The same pattern showed up with RAM, storage, and other parts, which added up to about $1,094.98 wasted per laptop. This shows how paying up-front for hardware (CapEx) can be wasteful because most of what you pay for doesn’t get used. Businesses face this same issue with on-premise servers and equipment, where they spend a lot on capacity that just sits there unused.

Cloud computing helps solve this problem because instead of paying up-front for maximum power, you only pay for what you actually use (OpEx). It’s like renting resources instead of buying them all at once, and you can scale up or down as needed. If I imagine running a company with 20 employees all using laptops like mine, the waste would be almost $21,900 in unused capacity. That number makes it easy to see why businesses are moving to the cloud, because it turns wasted capacity into something more flexible and cost-effective.