



# When to max your server configuration

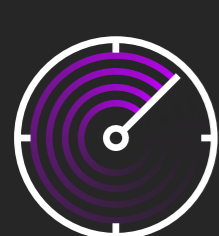
Perfectly balance server cost, performance and power efficiency with the right mix of compute, memory and storage.



## When to max your server configuration: Now or later?

Should you unleash the full potential of your white box servers from the outset, or take a more gradual approach, starting with minimal configurations and upgrading as needed?

Whether you choose to max out now or upgrade later, the key is to balance efficiency, performance and scalability.



### Max now



### Upgrade later

- Immediate performance boost
- Futureproofing
- Prevent GPUs and CPU idling
- Avoid frequent downtime for upgrades

- Cost savings
- Flexibility
- Adaptability for short-term adjustments
- Avoids overcommitment

- Higher upfront cost
- Potential overkill for current needs
- Limited flexibility if business priorities change
- Risk of overcommitment

- Potential downtime for future upgrades
- Resource bottlenecks
- Risk of delayed upgrades
- Solving for ad hoc modifications

## 3 paths to an optimal configuration

Consider three businesses constructing white box servers. Each takes a different path to balance goals and constraints for their specific use case.



Business A seeks to maximize computational power and speed for AI training processes.

- Micron® DDR5 Server DRAM significantly reduces the time required for training AI models.
- Micron® 9000 Series SSDs offers quick access to training datasets.
- Micron® 6000 Series SSDs provide massive capacity to store data lakes.

Business B wants to upgrade its legacy servers for mainstream applications.

- Micron® DDR4 Server DRAM boosts the performance of the company's legacy servers.
- The Micron® 5000 Series SATA SSDs expands storage while staying within budget.

Business C is building a new server to test its first online service. It plans to upgrade over time as it establishes a large user base.

- Micron® DDR5 Server DRAM delivers superior performance to ensure the startup can keep pace in the coming years.
- Micron® 7000 Series SSDs perfectly balance performance and cost-effectiveness to meet the startup's initial needs.

## Explore your options: Max now or upgrade later

Connect with the experts at Micron to figure out whether your best path forward is to optimize your configuration now or upgrade later. We can help you choose the right products to meet the needs of your unique workloads, then advise you during validation testing and benchmarking to ensure project goals are met or exceeded.

Balance performance with sustainable growth. Learn more at [microncpg.com/balance](https://microncpg.com/balance)

