

TAKE A DEEPER DIVE

You may have heard about the recent Amazon i3en.metal node instance type release for VMware Cloud (VMC) on Amazon Web Services (AWS). Let's go below the surface and explore some of the highlights.



THERE'S SOMETHING FOR EVERYONE

Presently, with VMC on AWS, organizations can:

Easily move workloads to and from the cloud without having to learn new infrastructures.

Shift elements around from within their existing environment, and scale as needed.

Leverage economies of scale from AWS without having to become an AWS expert.

Save time when requisitioning, specifying, acquiring, provisioning, or bringing a server online.

The latest VMC on AWS i3.en based on Intel architecture adds more benefits:

Small organization?

Eliminate costs associated with maintaining and staffing a data center.

Large corporation?

Scale out for greater agility, **conserve resources** by adding or disabling nodes to match demand, **leverage automation** to achieve new efficiencies.

Conventional server:

Up to 6-8 weeks

VMC on AWS:
As little as 15 minutes

AMAZON'S i3en.metal NODE HAS BETTER PERFORMANCE

Amazon's new i3en.metal node has significantly improved performance capabilities:

50% increase in memory from 512GiB to 768 GiB

400%+ increase in storage from 10GB to more than 40GB

Higher processor core count from 36 to 96 cores (with hyperthreading)

Enhanced networking and optimization

for data-intensive workloads, such as relational and NoSQL databases, and applications requiring high random I/O access to large volumes of data.



INTEL ARCHITECTURE SWEETENS THE DEAL

With next-gen Intel® architecture, i3en.metal instances achieve greater storage capacity at lower cost and with more memory than would be possible with the instances alone.

1st or 2nd gen Intel® Xeon® Scalable processors provide a platform for cloud-optimized networks, with improved per-core operation for compute-intensive workloads.

Expanded features include:

- Security mitigations
- Encryption
- New Intel® libraries
- Intel® Deep Learning Boost
- Intel® Speed Select
- Infrastructure management technologies



Built-in hyperthreading enables each node to double its processing capability, performing two operations for every single operation previously possible.

Hyperthreading + increased core count = unsurpassed increase in performance, from 36 to 48 physical cores, doubled to 96 logical cores with hyperthreading

Control over core count allows customers to match core count to actual requirements and turn off unneeded cores for significant cost savings and efficiencies.

READY TO START? LET PRESIDIO HELP YOU WADE THROUGH THE OPTIONS

While bare numbers are a useful starting point, they only scratch the surface of helping you understand your public cloud's total performance. Let Presidio help you increase performance while aligning your infrastructure to meet your unique business needs.

Contact us to learn more about how the new VMC i3en.metal node on AWS, based on Intel architecture, can help your organization.



ABOUT THE PRESIDIO, VMWARE & INTEL PARTNERSHIP

Presidio, VMware and Intel collaborate to accelerate our shared customers' digital transformation journeys. By leveraging our integrated technologies, services, and engineering teams, we design and implement the secure, hybrid cloud-based solutions organizations need to realize their full potential.

Whether it's Presidio's strategic IT and lifecycle services; VMware's innovative technology platforms that deliver consistent infrastructure and operations across data centers and public clouds optimized on Intel data-centric technologies for compute, storage, and network; or some combination of all of three, we can customize a solution for you.

Working together, we help our customers realize better business outcomes in a dynamic and competitive marketplace.

Learn more about Digital Transformation at presidio.com/bigcloud