



!i Cloud Services

THG Ingenuity Cloud Services Product Range

The Ultimate Bare Metal Guide: Optimize Your Infrastructure With THG ICS










Bare Metal Servers

Get the Ultimate Bare Metal Experience: Pedal to the Metal

Discover the power of Bare Metal with our comprehensive eBook! Get ready to learn everything you need to know about optimizing your infrastructure with the latest technologies in bare metal hosting. Our experts have put together a guide that covers all the essential aspects of bare metal, including:



-  Locations and delivery times
-  Server choices and GPU integration
-  Bandwidth availability and connectivity
-  Pricing and billing
-  Security and support

We offer scalable solutions to power your technology projects anywhere in the world, ensuring you have the resources to meet your organization's needs. Whether you're just starting out or are looking to optimize your existing setup, this eBook has everything you need to know about configuring your ideal server for even the most challenging workloads.

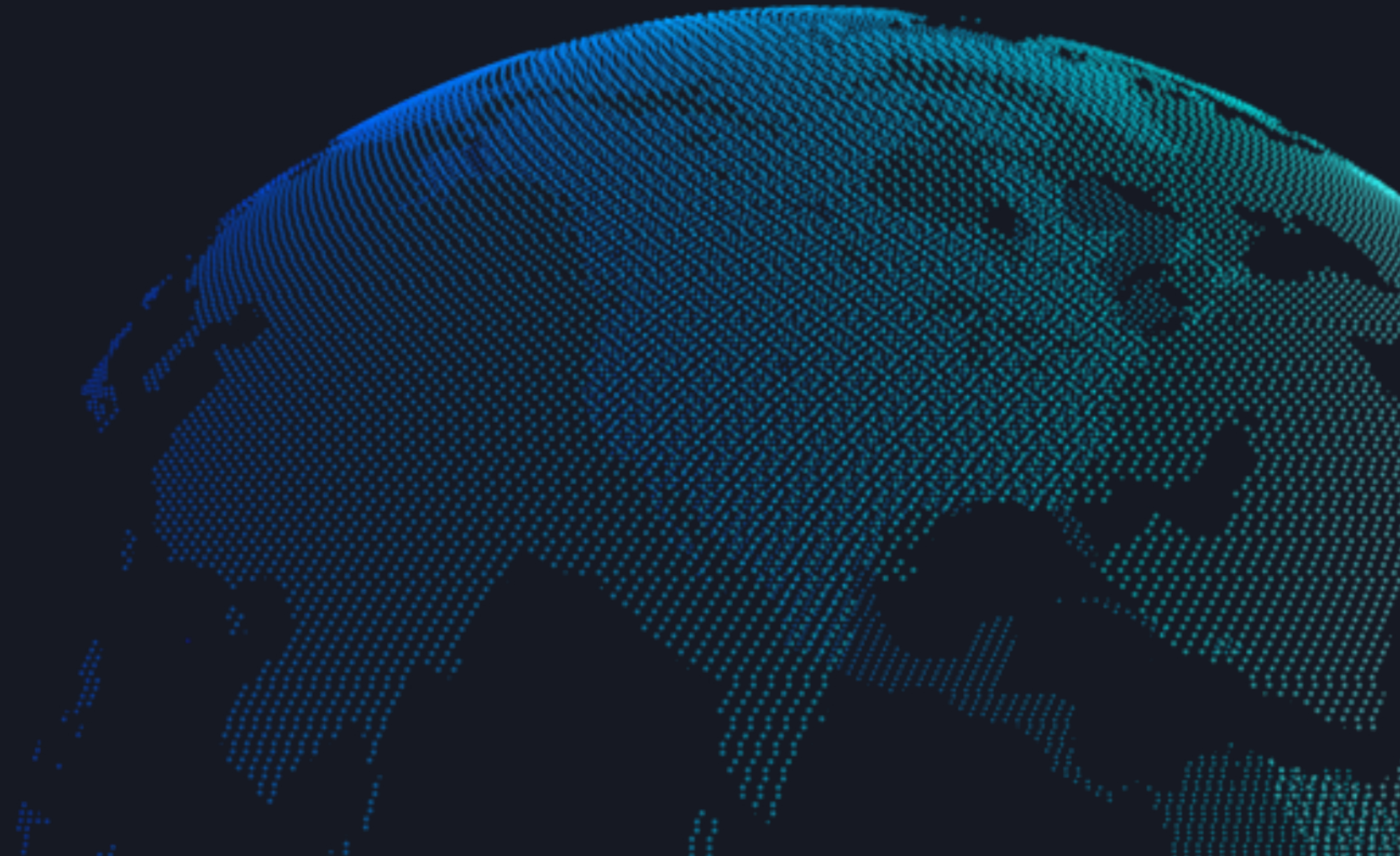
If you're ready to take the next step, our sales team is available to answer any questions and guide you through the process. Contact us today to start optimizing your bare metal hosting setup.

[Get in touch](#)



Bare Metal Servers

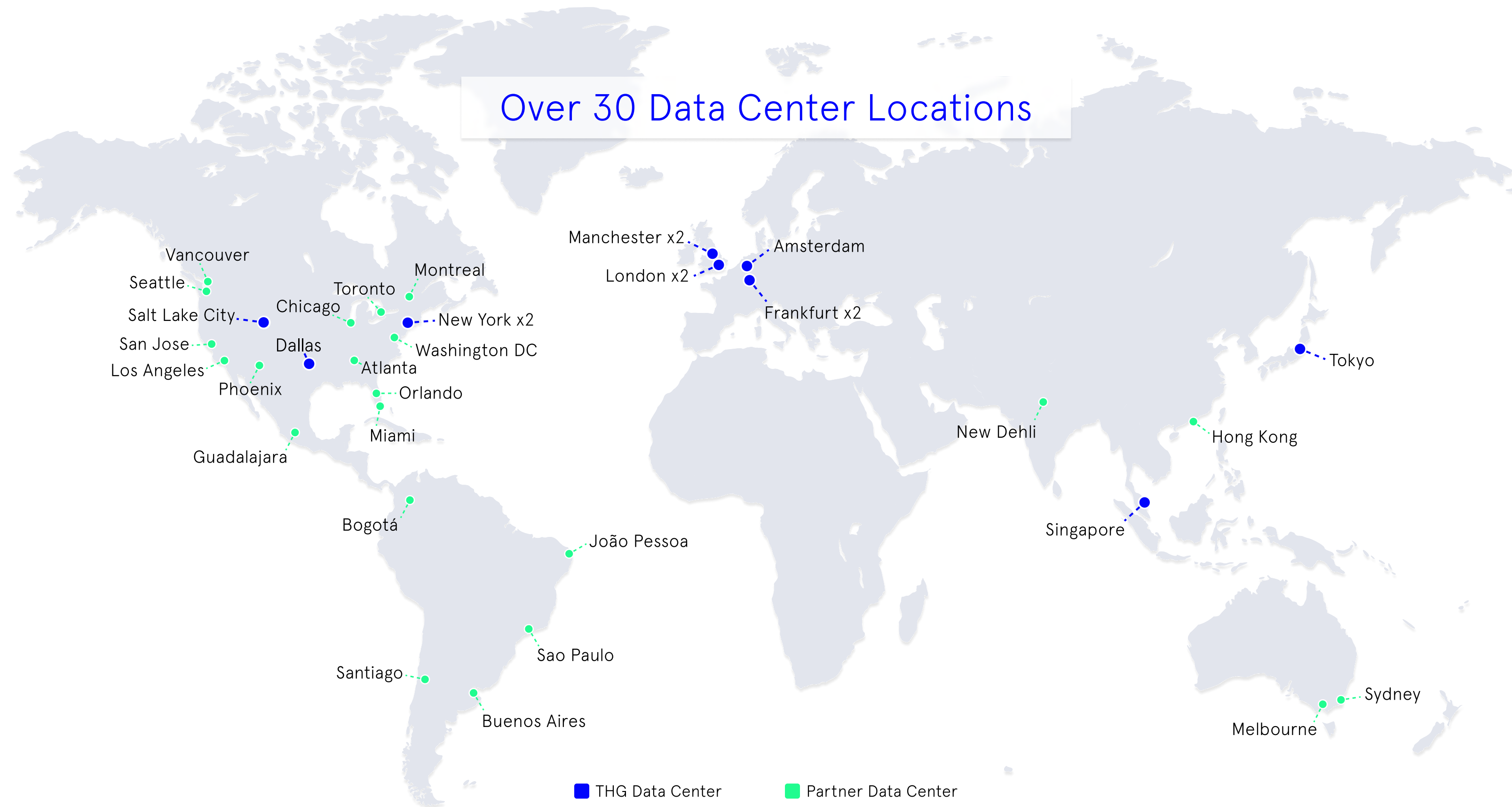
1. **Locations**
 - North America
 - Europe
 - APAC
 - South America
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 - Carrier Choices
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THG Ingenuity Cloud Services. Infrastructure you can trust.

Over 30 Data Center Locations





Low Latency Connectivity

Connectivity

Average Latency

Hyperscaler

< 2ms

Average latency to hyperscaler environments (AWS, Azure, GCP)

End User

< 10-20ms

Average latency to end users



We combine super-fast fiber connectivity, a global network of strategically placed tier 3 data centers, four tier-1 carriers, and enterprise-grade Mellanox switches to ultra-fast movement of data between users and servers in locations all across the globe.

The end result is that our connectivity is fast - **one of the fastest on the market** - whilst also being one of the largest, most secure, and most resilient networks available anywhere on the globe, all for a price point that allows us to meet infrastructure challenges head on, for both enterprise and entry-level budgets.

Global Private Network

Our global private network provides enterprise-grade connectivity between 12 key locations across NA, EMEA, and APAC, ensuring enhanced privacy, security and performance between selected locations at all times.



Hyperscaler Connectivity

< 2ms Average Latency to **Hyperscaler Environments**

Our network has been strategically designed to minimize latency to key hyperscaler locations, allowing customers to create hybrid IT environments with <5ms connections to AWS, GCP, and Microsoft Azure.

Data Egress

'Data Egress' is the term given to the charge that occurs when data leaves a hosting environment.

These charges are designed to prevent customers from leaving a service provider due to the huge costs of moving their data to another environment.

At THG ICS, we want our customers to always have the option to move their data, supporting multi-vendor, multi-environment infrastructures that put the customer's needs first.

That's why our data egress fees are over 25 times lower than the cheapest public cloud data egress fees - allowing customers to have fast, low-cost movement of data, without any hidden surprises.

Reduce your public cloud bills today



Bare Metal Servers

Hardware & Bandwidth

Unlimited Bandwidth Availability

Our data centers combine four tier 1 carriers in all key regions across the globe to guarantee high bandwidth availability even in periods of intense network traffic.

This enables you to increase bandwidth caps on a very short notice, allowing your business to meet unexpected surges in user demand without impeachment.

All servers are available with a wide range of bandwidth models, from 20GB to unmetered bandwidth, allowing customers to leverage permanent high-bandwidth connectivity for a predictable monthly price.








Server Specifications

From top-of-the-range servers and custom designs to the 'plug and play' templates offered by everyone, we've got all the kit you need to create an IT backbone designed to maximize output on a wide range of budgets.

Built To Requirements

Order servers built from your requirements, assembled from a huge range of enterprise-grade components;

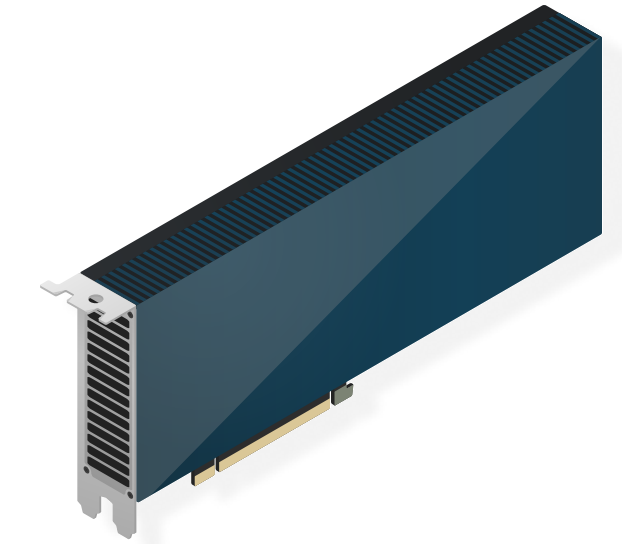
-  CPUs (Single, Dual, Quad core)
-  RAM
-  Storage (HDD, SSD, NVMe)
-  Nvidia A-Series GPUs
-  NICs (1-25 GBps)



All servers are available with a wide range of operating systems and bandwidth models, from 20GB to unmetered bandwidth, and are interconnected by Mellanox switches to ensure swift movement of both North-South and East-West traffic. Maximum NIC sizes vary based on location.

GPU Acceleration

We can place GPU-accelerated servers at tier 3 data centers in key locations across the globe, including London, Frankfurt, New York City, Salt Lake City, Tokyo, and more.

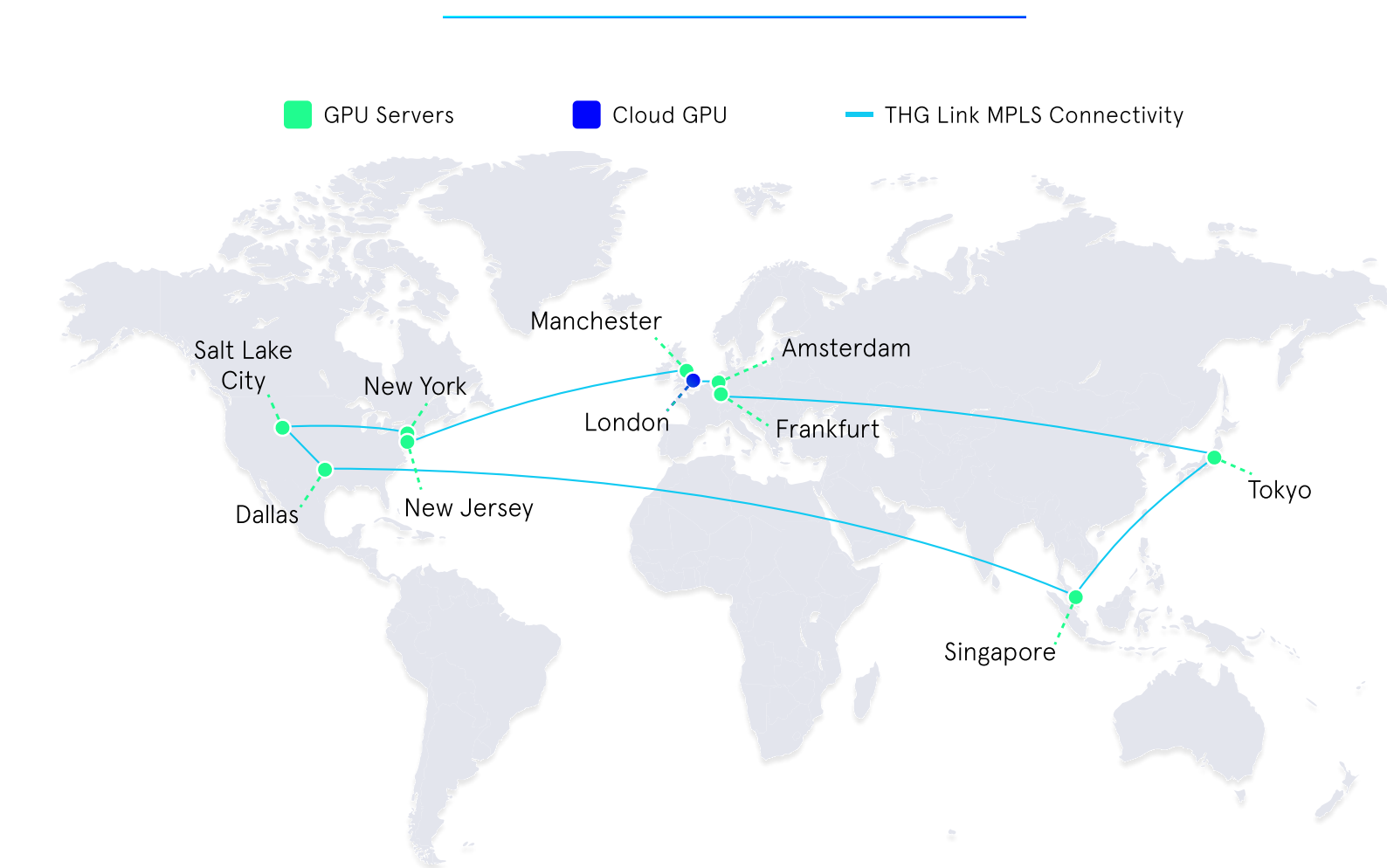


Nvidia Options

- A16
- A30
- A40
- A100

Cloud GPU (Launching in April)

Consume Nvidia A100 cards via THG ICS GPU Cloud. With second-by-second billing and market-leading infrastructure, our London-based GPU cloud is a flexible, low-entry cost solution that is perfect for small-medium HPC workloads.



[Find out more](#)



Contract Options

Pricing

From value-for-money bandwidth and low-cost data egress to a range of high-performance servers and enterprise-grade networking, you can optimize how you want to combine output and spend with THG ICS, getting the hardware you need, in locations you want, at a price that you can afford.

Speak to one of our sales representatives now to discuss solutions as you need them, on terms and budgets that suit you.

[Speak to Sales](#)



THG ICS Price Advantages

Due to our relationship with our global parent company The Hut Group, THG ICS leverages economies of scale, massively reducing the cost of purchasing new equipment. We pass these discounts to our customers, allowing us to offer leading infrastructure at very competitive prices.

When looking at projects, we can be more speculative than most, as the hardware/services proposed can be absorbed for our own use at a later date. This makes THG ICS far more competitive than stand-alone infrastructure providers, and means that we're willing to do deals that other vendors may want to avoid.

THG have strong relationships with vendors across the globe, so our 3rd party DC costs and networking costs are much lower than our competitors. This allows us to create global hosting solutions and scale up offerings at a price that can't be matched by the market.

Key Benefits



Flexible Terms

With month-to-month terms on in-stock servers and longer term contracts to reduce your overall spend, THG ICS allow you to manage your infrastructure with flexibility, scalability, and on terms that meet your needs.



95th Percentile Bandwidth Billing

An optional choice that provides a bill representing your average usage for 95% of the month. This prevents unexpected traffic bursts from driving up your bill, allowing you to have close control over your monthly spend whilst protecting you from unexpected bill shocks at the end of the month!



Low Data Egress Charges

With Hyperscalers, 100TB of data egress is billed at tens of thousands of dollars per month. With THG ICS, 100TB of data egress billed at \$100pm, allowing for potentially massive cost savings, ultra-fast data movement, and no drop in performance.



Easily Understood Billing

All our bills are easily understood, and with a guaranteed account manager for every customer, there's always someone to talk to if you've got questions about billing.

Delivery Times

Combining our large stock of popular components with our unique relationships with suppliers, THG can supply bigger orders on a shorter basis than most of the market.

8 - 40 hours

Average delivery time for servers **in stock**



Bare Metal Servers

Security, Support, Sustainability

Security



ISO 27001



HIPAA



SOC 1 & 2



PCI compliant



EU Model Clause



EU Privacy Shield



FedRAMP

Managed Services

Want to harness the power and cost-effectiveness of bare metal servers, but have skill gaps in your team that make server management difficult?

THG ICS's Managed Services 'managed' and 'co-managed' support packages take care of your infrastructure with best-in-class management and fastidious account care to make sure you're always getting the most out of all THG ICS infrastructure.

12 Months

Average Managed Service Term

60 Minutes

Responses from support teams within one hour

Support

Our 24/7 global support team overlaps shifts to ensure there's always someone there to action support tickets and resolve issues quickly.

In addition to this, every THG client has an account manager you've always got direct contact with someone familiar with your account to hear your concerns, help with any questions, and escalate issues on your behalf when needed.

Sustainability

THG Ingenuity Cloud Services is fully supportive of the wider Group's sustainability goals, which include offsetting our historical operational emissions along with specific set targets focused on driving positive change in our business, supply chains and communities.

At the heart of the strategy, and of everything we do at THG is our vision: to leave the world a better place than we found it. Find out more on this at sustainability.thg.com.

Other THG ICS Products

The THG ICS Product Line

Colocation

We offer colocation services in data center locations all across the world, including London, Frankfurt, Amsterdam, New York City, Salt Lake City, Tokyo, and more.



ICS Managed VMware Cloud

The THG ICS Managed VMware cloud is a high performance cloud platform that combines VMware Cloud Director, vSphere, vSan, vMotion, VMware NSX-T, and Veeam cloud backups to meet the cloud requirements of small, medium, and large-scale enterprises.

Cloud GPU

With a range of multiple, single, and partial Nvidia A100 cards, second-by-second billing and market-leading infrastructure, our London-based GPU cloud is a flexible, low-entry cost solution that is perfect for small-medium HPC workloads.

VPS

Click, construct, and consume virtual private servers within minutes. Build servers in locations across the globe, with second by second and 24/7 support.

Speak to Sales

From simple stuff to bespoke multi-year projects, it's always worth getting in touch with THG Ingenuity Cloud Services. We're experienced, on-hand, and always ready to give you the infrastructure you need to grow your business.

Get in touch



About THG Ingenuity Cloud Services

THG Ingenuity Cloud Services are leading providers of enterprise-grade infrastructure in 30+ data centers across 5 continents, supporting the growing demands of thousands of globally connected enterprises every day.

We combine high availability bandwidth, ultra-fast connectivity, fully accredited DC management staff, and ISO27001-certified business practices to provide the security, performance, and resiliency that your business needs to grow at pace.

We also utilize the vast supplier network of The Hut Group, giving us unique, first-in-line access to hardware vendors across the globe, enabling us to deliver large-scale projects, even within a global hardware crisis, with consistency, speed, and with an account manager for every customer, easy access to progress reports and timeline updates.

This is why businesses trust us, and with 20 years of experience in the cloud computing space, we have built the physical and virtual foundations that support the workloads of over 130,000 customers worldwide.

[Get In Touch](#)



THG Headquarters, Manchester, United Kingdom.

