

Secure Your Data With Interxion's
Cloud Connect Network



Secure Cloud Adoption

Cloud adoption is becoming business critical - but can you embrace its agility, scalability and cost-effectiveness without undermining security?



90% of enterprises have suffered a breach, 7% of which related to cloud services



77% of CEOs cite security as their main fear about cloud adoption



Security is a top-three barrier to cloud adoption for public, private and hybrid strategies

Cloud security is now a boardroom issue. A data breach or service interruption can devastate day-to-day operations, corporate revenues and hard-won customer relationships.

As cloud-based capabilities become ever more business-critical, enterprises cannot undermine performance with bolted-on security controls. Both security and performance must be built-in from the outset.

Today, more than half of European enterprises are embracing hybrid IT to combine the security and performance of on-premise infrastructure with the public cloud's agility and cost-savings. However, by colocating IT infrastructure, enterprises can take the potential of Hybrid Cloud even further.

By harnessing the private connection services of hyperscale cloud providers and providing a secure collocated environment to deploy Hybrid Cloud, Interxion delivers high performance cloud connectivity with inherent network and physical security.

Sources:
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<https://www.pwc.co.uk/services/audit-assurance/insights/2015-information-security-breaches-survey.html>
Interxion, Adapt or die, http://www.interxion.com/contentassets/2bef4e83d3524f69ba62ecd90f2b8dbf/adapt-or-die_interxion.jpg



Secure Cloud Networking

While the major hyperscale cloud platforms all invest heavily in security, data-in-transit over the public internet can still be intercepted.

As soon as any enterprise data touches the internet, it's fundamentally at risk - whether from DDoS attacks, malware infections or other threats. With enterprise IT teams often short of time, money and specialist skills, network vulnerabilities can creep in all too easily - whether intentionally or accidentally.

At the same time, internet-based connectivity leaves the performance of cloud services and applications at the mercy of traffic spikes and ISP downtime, or hampered by bolted-on security controls.

By enabling enterprises to place their on-premise infrastructure right next to the private access points to the most popular cloud platforms, Hybrid Cloud with colocation offers an attractive solution.

From Interxion's data centres, customers can build and manage secure, high-performance vLANs to multiple clouds over a single physical connection. They can also ensure secure access to cloud applications by maintaining encryption keys in ultra-secure Hardware Security Modules (HSNs), housed outside of the cloud.

With high-speed, secure connections to the major hyperscale cloud providers, Interxion's Cloud Connect service provides a simple, cost-effective route to hybrid and multi-cloud IT environments.

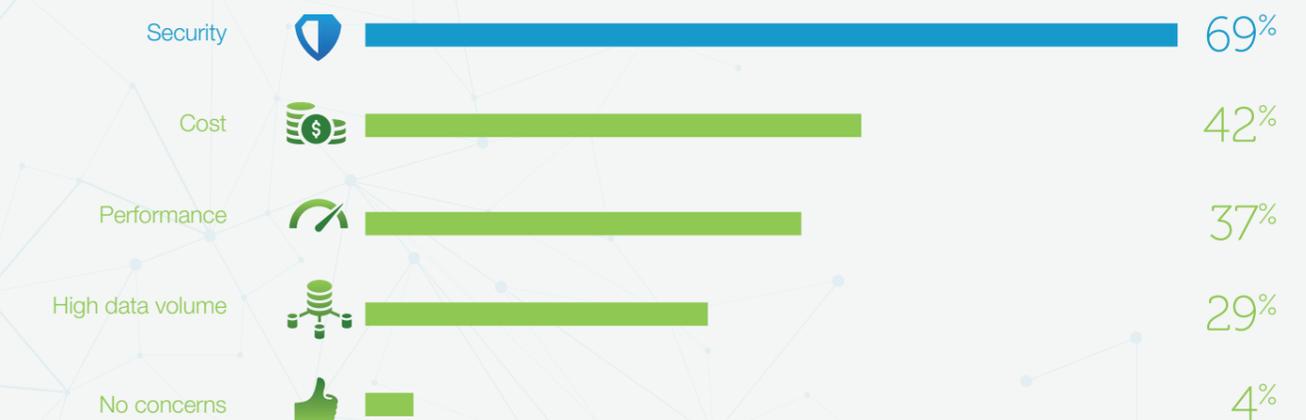
// Gartner's position on cloud security has been clear - public cloud services offered by the leading cloud providers are secure. The real security challenge is using public cloud services in a secure manner.

Ed Anderson, Research Vice-President, Gartner

// 90% of European companies cite links between on-premise and cloud-based workloads as the biggest barrier to hybrid cloud.

IDG Research Services

Network Concerns When Connecting to the Cloud



IDG Research Services

Sources:
Gartner, <http://www.computerweekly.com/news/450304295/Enterprise-expectations-on-time-needed-to-move-to-cloud-not-being-met-claims-Gartner>
Interxion, Why colocation gets you ahead in the cloud, <http://www.interxion.com/blogs/2016/06/why-colocation-gets-you-ahead-in-the-cloud>



Cloud Connect: Network Security



Direct fibre links to private cloud access nodes

Protected data exchange via pan-European Layer 2 connectivity that's inherently more secure, with no fibre cross-overs or public internet touchpoints.



Diverse connectivity

Pan-European cloud services run over multiple separate connections, adding resiliency without compromising security as their paths never cross.



Any-to-any network

It doesn't matter where customers or CSPs are located, Interxion can stitch them together via a secure virtual line.



Guaranteed data privacy

Interxion's personnel are unable to see customer data or peer into connections. Only basic information is tracked, such as customer location, CSP and connection capacity.



Tamper-proof networking

Only customers can deploy services end-to-end, via a secure portal that automates provisioning through a software-defined network and API integration with major CSPs.



Robust authorisation

Multiple authentication checks occur before services are provisioned (including the approval of a changeless authoriser) immediately identifying any suspicious activity.



24x7 dedicated NOC and SOC

Expert networking and security expertise is on hand around-the-clock to support customers and ensure complete vigilance.



Direct connectivity to the latest security capabilities

Securely cross-connect to any Managed Security Service Providers sharing the same facility. Harness new cybersecurity capabilities with complete peace-of-mind.



Unmatched Physical Security

Despite the danger insider threats, unauthorised access or accidental misconfigurations can pose to increasingly business-critical cloud services, physical IT security isn't a core focus for most enterprises.

Protecting office-based servers or on-premise data centres around-the-clock not only interferes with day-to-day business operations, it also adds considerable cost.

Adopting a Hybrid Cloud model in a colocated facility allows enterprises to rely on the exceptional security controls, resources and expertise surrounding every Interxion data centre:



24x7 access controls

No-one is able to enter or leave without proof of identity and all visitors are checked against customer-defined access lists, preannouncing their arrival for a set date and time. Visitor access is also limited to specific rooms or areas.



24x7 security activities

All facility areas are secured by an alarm system, monitored by CCTV, and security staff patrol the entire site.



Regular reviews

Security officers regularly review facility procedures, alongside independent, third-party audits.



Certified defences

ISO/IEC 27001 Information Security Management certified.



Bespoke precautions

Interxion can flex with specified requirements for physical IT security, for instance adding lockable cages to a customer's private area, or requiring visitors to present multiple forms of identification.



Cloud Connect: Physical Security

Interxion has invested heavily over many years to build best-in-class physical security. It's one of our core competencies.

Securing on-premise IT is much harder for enterprises because security isn't their core business: a lack of time, money and skills all hamper their efforts.



Multiple layers of defence and rigidly enforced protocols ensure no one is able to enter or leave an Interxion facility without authorisation.



Five Business Benefits of Secure Cloud Connectivity

By adopting Interxion's Hybrid Cloud model, enterprises can combine physical and network security with exceptional performance. Here are just some of the advantages of Cloud Connect:

01

Enhance competitiveness

Harness the security, availability and performance critical to a growing number of data-hungry, cloud-based business applications.

02

Keep your business doing business

Backed by colocation facilities and carrier-grade networking with built-in fault tolerance and multiple redundancies, costly downtime and data loss can be effectively eliminated.

03

Prepare for digital transformation

With a low-cost, low-risk route to the cloud and no service lock-in, enterprises can remove any fear from adoption and grow the level of comfort inside their business.

04

Free internal resources

Eliminate the need to manage physical or network security internally, freeing IT teams from time-consuming, repetitive tasks to focus on higher business priorities and drive innovation.

05

Control costs

Eliminate the need to run an on-premise data centre or costly leased line, slashing expenditure.

About Interxion

Interxion (NYSE: INXN) is a leading provider of carrier and cloud-neutral colocation data centre services in Europe, serving a wide range of customers through over 50 data centres in 11 European countries. Interxion's uniformly designed, energy efficient data centres offer customers extensive security and uptime for their mission-critical applications.

With over 700 connectivity providers, 21 European Internet exchanges, and most leading cloud and digital media platforms across its footprint, Interxion has created connectivity, cloud, content and finance hubs that foster growing customer communities of interest. For more information, please visit www.interxion.com

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Cofounder: Uptime Institute EMEA chapter, **Founding member:** European Data Centre Association, **Patron:** European Internet Exchange Association, **Member:** The Green Grid, with role on Advisory Council and Technical Committee, **Contributor:** EC Joint Research Centre on Sustainability, **Member:** EuroCloud.

Interxion is compliant with the internationally recognised ISO/IEC 27001 certification for Information Security Management and ISO 22301 for Business Continuity Management across all our European operations.
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