

CAN INTERCONNECTION SPEED YOUR APPLICATION PERFORMANCE?

Your business depends on fast, efficient connections to process data and optimize user experience. Slow connections and lagging response times can result in customers going to your competition instead. You need speed and agility to stay ahead.

THE FACTS

Principled Technologies (PT), an independent company that specializes in hands-on assessments of technology products and solutions, set out to identify the fastest, most efficient way to transfer data and reduce latency among hybrid cloud partners and applications. The PT engineering team tested identical order entry data, observing application response times and file transfer speeds across three hybrid cloud connectivity scenarios:

1

On-premises PT data center with ISP shared connection over public internet

2

NSP with private, dedicated fiber Ethernet connection to Equinix and AWS Direct Connect

3

Establishing a Performance Hub[®] within an Equinix IBX[®] data center with local access to AWS Direct Connect

THE RESULTS SPEAK FOR THEMSELVES.

Compared to the alternatives, establishing the Performance Hub as a local base for application and network performance hosted on Platform Equinix[®] and interconnected via AWS Direct Connect demonstrated several remarkable improvements:

DECREASED application wait times by up to 41%



REDUCED network-related wait times by up to 96%

INCREASED order processing potential up to 48%



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We found that the hybrid IT architecture, with private infrastructure components hosted in an Equinix International Business Exchange[™] (IBX[®]) data center interconnected to AWS via AWS Direct Connect, dramatically increased application processing, providing faster interactions with the web application, while decreasing network wait times and data transfer times. This allowed us to maintain control over our hardware and reap the benefits of having strategic parts of our IT infrastructure in an Equinix IBX data center with an AWS Direct Connect location.

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Principled Technologies

[Read the PT Report](#)



IMPROVE NETWORK PERFORMANCE

By leveraging private, direct interconnection at Equinix between your colocated infrastructure and service providers (like AWS via AWS Direct Connect), your data and hardware are close to the source. The results are decreased application response times and faster file transfer, giving you the ability to get business done more quickly and efficiently, and the ability to handle more business.

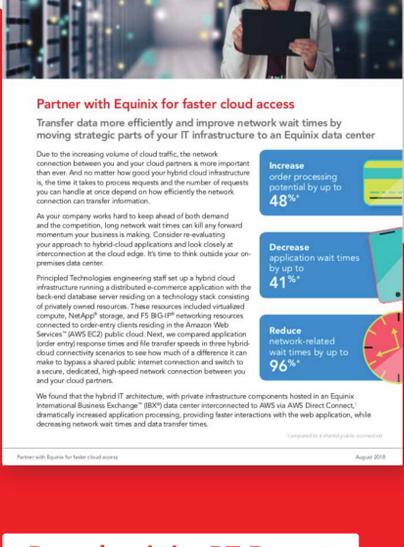
Build your digital edge alongside the largest industry ecosystems on Platform Equinix to reach everywhere, interconnect everyone and integrate everything.

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We found that moving strategic compute, database, F5 BIG-IP[®] networking resources, and NetApp[®] storage components to Equinix increased the number of requests we could handle at once and provided faster interactions.

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Leveraging a colocated hybrid environment allowed us to maintain control and ownership of strategic parts of the IT infrastructure while enjoying the benefits of secure, private access to public clouds, such as AWS, through direct interconnection. When you partner with Equinix, you are truly thinking outside your on-premises data center.

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Principled Technologies

Learn more

To discover how to optimize application performance, read the PT research paper or visit Equinix at equinix.com.