

CoreSite's Interconnectivity Platform Delivers a Low-Cost, Scalable Solution



To create the next blockbuster animated film, studios need to convert the 3D models and animations into 2D images and videos. The process, known as rendering, requires an immense amount of bandwidth, networking and infrastructure capabilities. The requirements, however, occur in bursts – when workloads need up to 200Gbps for only a few months a year – and shift from on-premises to a public cloud provider during these periods of capacity spikes. The animation studio compared three options to support these bursts to connect to the public cloud and analyzed total cost of ownership for one year.

OPTION 1

- 2 dedicated circuits to public cloud provider
- Cross-connect
- Runs 12 months/year for ~3 months of use
- ~One month to turn up

~\$428,700/year

OPTION 2

- 2 dedicated circuits to public cloud provider
- Cross-connects added for workloads and bursts, then disconnected
- Provision on-demand, but each activation requires internal change management and lead time
- ~One month to turn up
- Heavy operational overhead

~\$148,100/year

OPTION 3

- 4 virtual circuits to the public cloud via CoreSite Open Cloud Exchange® (OCX) platform
- On-demand activation of public cloud connections
- Scalable bandwidth: 200G for renders and 200M between renders
- Minutes to deploy
- Aligns cost to utilization

~\$129,000/year

About the Open Cloud Exchange

The OCX, CoreSite's software-defined networking platform, establishes secure, compliant and cost-effective connectivity to public cloud providers, networks and IT services. Dynamic private connections help move data during high-performance demands, such as during rendering, assure business continuity and optimize cloud costs. Predictable, flat-rate pricing reduces capital investments and eliminates overprovisioning costs.

CoreSite customers can access the OCX from any CoreSite data center via the MyCoreSite customer portal where they can quickly provision ports, ethernet virtual circuits, virtual routers and bandwidth.

The Takeaway

CoreSite's solution meets or exceeds requirements for:

- ✓ **Lowest total cost**
- ✓ **Rapid deployment**
- ✓ **Self-service**
- ✓ **Elastic bandwidth to accommodate bursts**
- ✓ **Scalable, use-based pricing with month-to-month billing**
- ✓ **No long-term commitments**

LEARN MORE

[Talk with a CoreSite solutions architect](#) to find out how a scalable national platform and private network can deliver reliable data replication and resiliency.

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