

Solutions Comparison for Cloud Connectivity

As organizations seek the best cloud connectivity strategy, comparing the benefits and implications of each method can be helpful. Whether that method is Pureport’s Multicloud Fabric™, a Do-It-Yourself (DIY) approach that leverages on-premises or data center equipment, a traditional approach through a carrier, or an Over-the-Internet method, the solution needs to fit organizational goals for timelines, budgets, and technical requirements.

To facilitate the process of choosing the right cloud migration path, Pureport has compared several popular options used in cloud migrations today, along with key factors to consider. Though many options exist, Pureport alone offers not just substantial cost savings, but significantly faster time-to-market.

Comparison of Private Connectivity to Public Cloud Network Options

	Pureport Multicloud Fabric™ <i>VPN from on-premises, private-to-cloud</i>	DIY <i>colo space + network gear + circuits + cross-connects</i>	Carrier <i>MPLS or Layer 2 Approach</i>
Initial Investment	N/A	\$\$\$	\$\$
Ongoing Operational Cost	\$	\$\$\$	\$\$
Time to Market	Minutes	Months	Weeks to Months
Networking Expertise Required	Low	High/Complex	Medium
Minimum Bandwidth Commitment	50Mbps	1Gbps - 10Gbps	Varies by Carrier
Additional Hardware Required	No	Yes	Maybe
Automated IP Conflict Resolution	Yes	No	No
Effort to Add Connections	Low	High	High
Cost of Additional Connections	\$	\$\$\$	\$\$\$
High Availability	Built-In	Additional Cost	Additional Cost if Available
Contract Commitments	Cancel Anytime	Multi-Year	Multi-Year

Comparison of Multi-Site to Cloud Network Options

	Pureport Multicloud Fabric™	Cloud-Native <i>AWS Transit Gateway/ Microsoft Azure Virtual WAN</i>	SD-WAN	MPLS/Carrier
Initial Investment	N/A	N/A	\$\$	\$\$
Ongoing Operational Cost	\$	\$	\$\$	\$\$\$
Time to Market	Minutes	Hours/Days	Days	Weeks to Months
Networking Expertise Required	Low	Medium	Medium	High
Cloud Egress Bandwidth Cost	\$	\$\$\$	\$\$\$	\$
Additional Hardware Required	No	No	Yes	Maybe
Automated IP Conflict Resolution	Yes	No	No	No
Effort to Add Connections	Low	Medium	Medium	High
Cost of Additional Connections	\$	\$	\$\$	\$\$\$
Cloud Connectivity Type	Private	Internet	Internet	Private
High Availability	Built-In	Varies by Cloud Provider	Additional Cost	Additional Cost if Available
Contract Commitments	Cancel Anytime	Cancel Anytime	Varies by Provider	Multi-Year

Comparison of Cloud-to-Cloud Network Options

	Pureport Multicloud Fabric™	DIY <i>colo space + network gear + circuits + cross-connects</i>	SD-WAN	Cloud-Native VPN
Initial Investment	N/A	\$\$\$	\$\$	N/A
Ongoing Operational Cost	\$	\$\$\$	\$\$	\$
Time to Market	Minutes	Months	Days	Hours
Networking Expertise Required	Low	High/Complex	Medium	Medium
Cloud Egress Bandwidth Cost	\$	\$	\$\$\$	\$\$\$
Additional Hardware Required	No	Yes	Virtual Appliances	No
Automated IP Conflict Resolution	Yes	No	No	No
Effort to Add Connections	Low	High	Medium	Medium
Cost of Additional Connections	\$	\$\$\$	\$\$	\$
Cloud Connectivity Type	Private	Private	Internet	Internet
High Availability	Built-In	Additional Cost	Additional Cost	Varies by Cloud Provider
Contract Commitments	Cancel Anytime	Multi-Year	Varies by Provider	Cancel Anytime

Comparison of All Cloud Connectivity Options

	Pureport Multicloud Fabric™	SD-WAN	Carrier	DIY	VPN
Initial Investment	N/A	\$\$	\$\$	\$\$\$	N/A
Ongoing Operational Cost	\$	\$\$	\$\$\$	\$\$\$	\$
Time to Market	Minutes	Days	Weeks to Months	Months	Hours/Days
Networking Expertise Required	Low	Medium	High/Complex	High/Complex	Medium
Cloud Egress Bandwidth Cost	\$	\$\$\$	\$	\$	\$\$\$
Additional Hardware Required	No	Yes	Maybe	Yes	No
Automated IP Conflict Resolution	Yes	No	No	No	No
Effort to Add Connections	Low	Medium	High	High	Medium
Cost of Additional Connections	\$	\$\$	\$\$\$	\$\$\$	\$
Cloud Connectivity Type	Private	Internet	Private	Private	Internet
High Availability	Built-In	Additional Cost	Additional Cost if Available	Additional Cost	Varies by Cloud Provider
Minimum Bandwidth Commitment	50 Mbps	Variable	Varies by Carrier	1 - 10 Gbps	Low
Private Cloud-to-Cloud	Yes	No	No	Yes	No
Private Site-to-Cloud	Yes	No	Yes	Yes	No
WAN Replacement	Yes	Yes	No	No	Yes
Contract Commitments	Cancel Anytime	Varies by Provider	Multi-Year	Multi-Year	Cancel Anytime

About Pureport

Pureport's Multicloud Fabric seamlessly orchestrates private connectivity to Amazon Web Services, Microsoft Azure, Google Cloud, Oracle Cloud, and IBM Cloud. Whether a multicloud, hybrid cloud, or multi-site network, Pureport's Multicloud Fabric enables organizations to securely deploy cloud connections within minutes, and without the need for additional physical infrastructure. Pureport's Multicloud Fabric includes a distributed multicloud router that enables connections between sites and cloud providers from the same network, and supports Layer 3, BGP Peering between them. Pureport's Console offers a visual tool for self-service management of cloud networks, and reduces the administrative overhead and technical expertise often required when deploying traditional networks. Pureport charges based on allocated bandwidth per hour, which allows organizations to pay for only what is needed.