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Product Data Sheet

Pureport's Distributed Multicloud Router

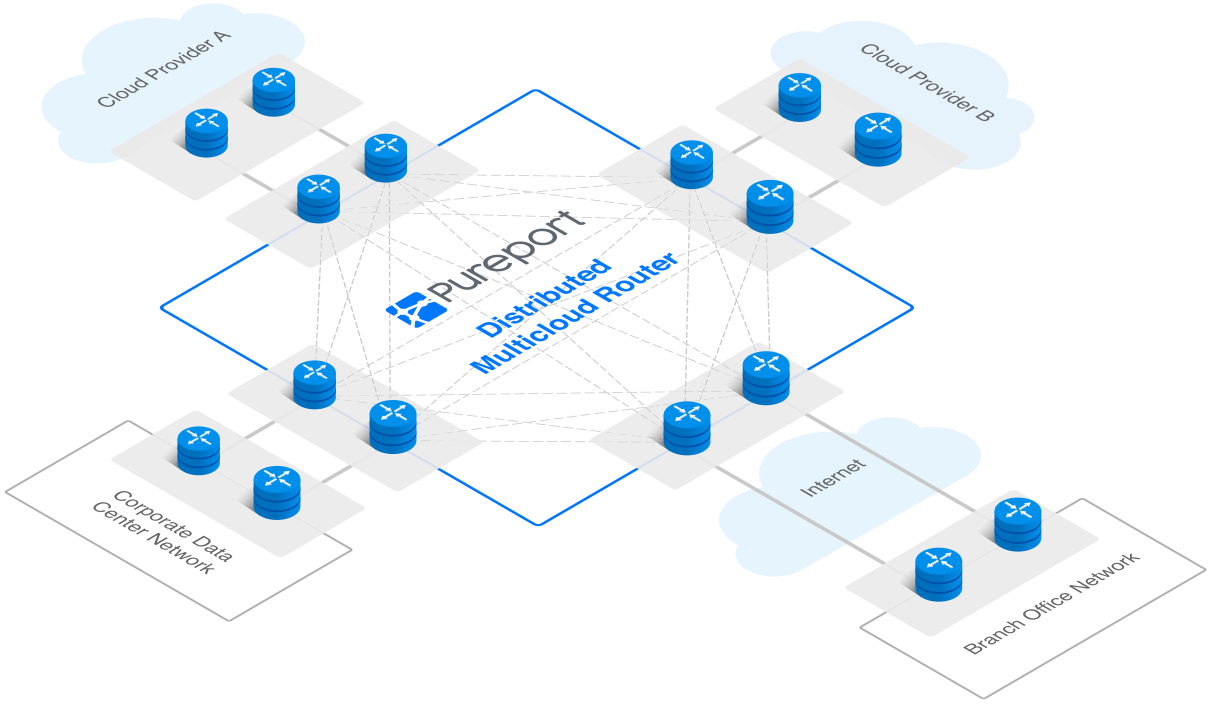
Whether a multicloud, hybrid cloud, or multi-site network, Pureport's Multicloud Fabric™ platform seamlessly orchestrates private connectivity to the top public cloud providers within minutes, including multicloud, hybrid cloud, and multi-site networks.

A key component powering Pureport's platform is the Distributed Multicloud Router. This innovative technology leverages the latest in software-defined networking (SDN), network function virtualization, and SmartNIC technology. It supports thousands of virtual cloud connections per network and automatically scales with every new connection.

How the Distributed Multicloud Router Works

The Distributed Multicloud Router is a collection of containerized, virtual routers that are internally meshed. For each connection added to a software-defined network, the Pureport Multicloud Fabric platform automatically spins up a pair of virtualized routers specifically dedicated to that network and connection. This allows the routing capacity for the network to automatically scale and extend to new locations as connections are added to the network, while also keeping the routing and peering well isolated.

The Pureport platform ensures that the pair of virtual routers for a highly-available (HA) connection are always deployed across diverse compute and network infrastructure to protect against hardware or link failures.



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Key Functions and Benefits

of Pureport's Distributed Multicloud Router

Connect automatically, not manually

Automatically scales up and across locations as connections are added to the networks.

High Availability Networks

All of Pureport's networks are designed from the ground-up to support HA connections.

IP Address Conflict Resolution

Built-in Cloud Grade NAT functionality automates the detection and resolution of overlapping IP address ranges without any delays or changes to existing site or cloud networks.

Low Latency

Routing is automatically distributed to the edges of the network to avoid any choke points or hair pinning of traffic.

Equal Cost Multi-Path (ECMP) Support

Built-in support for ECMP routing, allowing for twice the throughput on HA connections when both links are up.

High Bandwidth Connections

Pureport's Multicloud Fabric platform supports up to 10Gbps throughput per connection.

Full-Mesh Networks

All sites and cloud networks are meshed into a single WAN network regardless of access type.

Simplified Private Access to Public Cloud Features

The major cloud providers offer private access to normally public-facing services such as AWS S3 or Azure AD. However, most require the customer to provide unique, unused public IP addresses and a public ASN, and may require the customer to configure and manage complex BGP route filtering. Pureport's Distributed Multicloud Router removes these barriers to entry and automatically includes everything needed to allow private access to these services from customer premises, or even from other cloud environments.

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