

CASE STUDY

MediPortal Achieves Easier, Faster, More Affordable Network Connections with Pureport

MediPortal is transforming healthcare delivery and the patient experience by connecting consumers to medical providers and sharing real-time intelligence through a seamless healthcare ecosystem. MediPortal's Patient Engagement Suite puts consumers in control of the care experience and provides physicians with all the tools necessary to improve the patient experience and outcomes. MediPortal's products enable a healthcare ecosystem to be created where patients, physicians, medical systems and payors are able to seamlessly share important records and information securely.

MediPortal relies on Amazon Web Services (AWS) to deliver their secure, encrypted application as close to the edge as possible. By integrating AWS offerings, MediPortal can receive medical records from disparate systems, and consolidate them in a unified data model available to patients and their doctors.

MediPortal's Key Challenges, Pureport's Streamlined Solutions

MediPortal was seeking a cloud connectivity solution that could assist with the three major pain points associated with powering its Patient Engagement Platform: seamlessly adding new customers, scaling to accommodate varying levels of data transfers, and overcoming IP address conflicts. MediPortal's cloud managed services partner, Cloudnexus, recommended Pureport's Multicloud Fabric™ platform, a cloud connectivity solution, to overcome MediPortal's obstacles. Pureport's private connectivity to AWS via Direct Connect would give MediPortal the capabilities it needed.

MEDIPORTAL'S CHALLENGE

Adding medical sites to the network is cumbersome

Medical sites sharing data through MediPortal's platform range from a single practitioner to large hospitals with dozens of branch healthcare facilities. One traditional strategy is to run a private network circuit between each hospital or medical site and a data center, but this is slow, cost-prohibitive, and requires additional equipment plus hands-on effort from a skilled network engineering team.

THE PUREPORT SOLUTION

Pureport's Console enables seamless connections in minutes, not weeks

Provisioning a cloud connection can take weeks or even longer, depending on what equipment is available, and who configures and manages equipment and connections. MediPortal hosts its SaaS-based platform in AWS, and requires its customer to create a connection from their facility to MediPortal's AWS environment. Using Pureport's Multicloud Fabric platform and self-service Console, MediPortal was able to provision its first customer's connection within ten minutes, and onboard this customer to their network in less than three hours. This network was connected without the need for custom appliances and leveraged existing Customer Premise Equipment (CPE).

MediPortal customers simply connect through VPN, via an IPsec tunnel from their remote site to one of Pureport's regional gateways, where they leverage Pureport's full-mesh backbone to an AWS Direct Connect. This delivers faster performance at the edge.



MediPortal's goal is to interconnect as many patients, healthcare providers, and payors as possible, but as our customer base grew, we began experiencing a variety of growing pains including overlapping IP address conflicts between customers locations, and a significant increase in AWS egress costs. After seeing demonstrations of many cloud connectivity solutions in the marketplace, only Pureport's platform was able to onboard new customers in minutes which included resolving any IP conflicts. Now, with Pureport our customers are able to privately connect to AWS through Direct Connect allowing us to lower egress costs."

Edwin Vargas
MediPortal CIO

MEDIPORTAL'S CHALLENGE

It's very expensive to transfer large files between medical sites

Medical records are often quite large; transferring them from one provider to another can not only consume lots of bandwidth, but also increase AWS egress fees quickly.



THE PUREPORT SOLUTION

Lower egress transfer rates, scalable bandwidth

Since egress data transfer rates are much lower with Amazon Direct Connect than public Internet VPN, MediPortal saves substantial costs as it moves medical records between providers. In addition, within Pureport's Console, MediPortal can adjust bandwidth to varying needs, turning it up to handle a high volume of medical records, and turning it down (or even off) when less capacity is needed.

MEDIPORTAL'S CHALLENGE

Add new sites with overlapping IP addresses

Some of the implementation pains of connecting new customers is mitigated with a VPN-based strategy, but MediPortal continued to run into delays due to overlapping IP addresses between customers. MediPortal knew conflicts resulting from overlapping IP addresses could not only add a significant expense, but also could interfere with deployment timelines.



THE PUREPORT SOLUTION

Cloud Grade NAT automates the resolution of IP conflicts

Traditional VPN solutions put the onus on the customer to handle complex NAT configurations. However, by simply checking a box in the console, Pureport's Multicloud Router enables the Cloud Grade NAT functionality, which intelligently resolves IP address conflicts instantly, allowing MediPortal to quickly proceed with the connection of new sites. In addition, Pureport's Multicloud Router automates BGP peering configurations, and provides maximum device compatibility.

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.

About MediPortal

MediPortal is a disruptive software company providing physicians and practices with a suite of patient centric cloud based tools that empower physicians to focus on patient outcomes and puts patients at the center of their healthcare experience. MediPortal operates on a transparently priced subscription model eliminating the expense and waste of current practice tools.