

Panzura Solutions for Amazon Web Services

With Panzura's solutions for Amazon Web Services (AWS), you can easily make the cloud an extension of your datacenter for both file storage and compute resources. Connecting your datacenter to AWS is simple. It takes just minutes to set up networking services, user authentication, letting you quickly provision both data and compute. You get to bring the economics and flexibility of cloud to your existing file data and applications.

It works by using AWS S3 as your central authoritative file storage and keep active files synced on the Panzura controller for each site. With your files available in S3, you can also run any application or service in AWS EC2 the same way you would in your datacenter with no changes. You can run things like virtual desktops, anti-virus scanning, indexing or auditing in the cloud, saving you time and money compared to provisioning new servers in your own datacenter.

The Cloud-Integrated Datacenter

Panzura makes AWS look like it's just another part of your network -- a cloud-integrated datacenter where the distinction between the cloud and your own datacenter is transparent to your users. Setup is simple, too. Network

Panzura's Global File System and our SkyBridge product let you use Amazon Web Services to:

- Create a cloud-integrated datacenter – a seamless hybrid cloud that connects your infrastructure to AWS.
- Take advantage of cloud economics by using AWS to extend your existing applications and infrastructure.
- Simplify your infrastructure, using the cloud to consolidate primary file storage, remote file servers, backups, tapes and site-to-site replication.
- Take advantage of cloud economics for your existing applications and avoid the cost of more servers and storage.
- Provision applications from the cloud with one click, when you need them, where you need them.

connectivity, file services, authentication and even server provisioning for virtual desktops and applications configured with a single click.

How it Works

The cloud-integrated datacenter is made possible by two components: the Panzura Global File System and Panzura SkyBridge. Here's how it works.

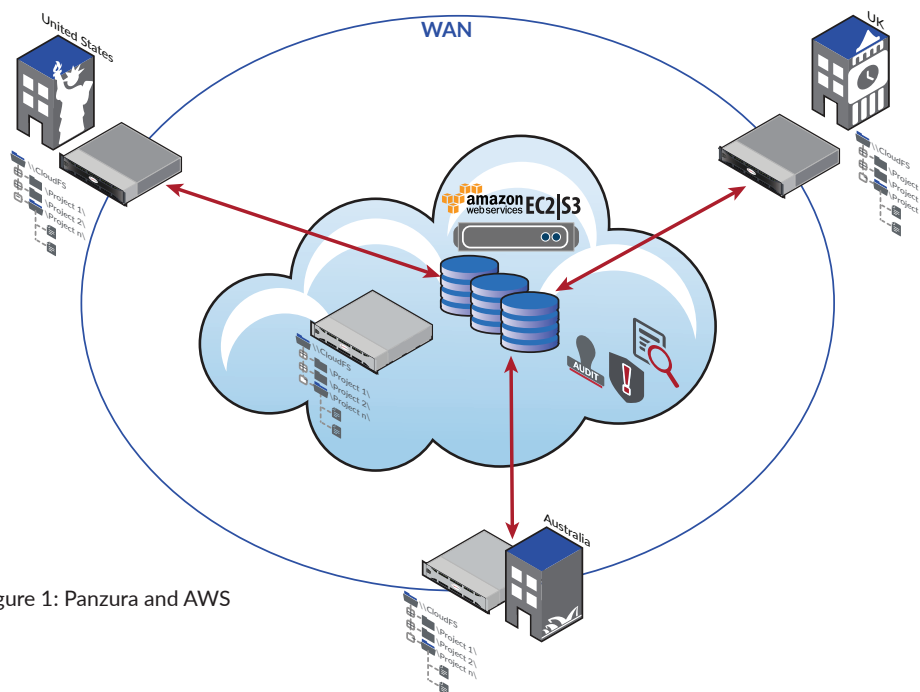


Figure 1: Panzura and AWS

A Single Locking File System for Everyone, Everywhere

In a cloud-integrated datacenter, Amazon S3 becomes the authoritative file storage for your enterprise. With Panzura's Global File System (GFS), all of your users are connected to the same set of consistent files whether they're using a traditional PC, connected to a locally hosted virtual desktop or a cloud hosted virtual desktop – anywhere in the world. The Panzura GFS also ensures data integrity and file consistency with its patented file locking, metadata management and global snapshot capability.

Real-time Cross-Site Collaboration

Panzura's patented file locking works across all of your sites and the cloud. Users can collaborate confidently without worrying about accidentally overwriting files or waiting for files to replicate over the network. Global file locking also eliminates latency for remote collaboration, cutting file open and sync times from 30-plus minutes to just seconds.

Replace Multiple Tiers of File Storage with the Cloud

When you deploy the Panzura GFS, Amazon S3 becomes your authoritative file storage. All of your file data is stored, backed up, archived and protected in the cloud. You can simplify your infrastructure by eliminating primary storage, local backup servers, mirrored data, tape drives, and fees for offsite storage.

Quickly Add a Cloud Extension to Your Datacenter

Using Panzura SkyBridge, you can extend your datacenter to any AWS cloud region. It automatically configures a layer 2 connection to AWS, so your cloud instance is in the same IP range as your datacenter, eliminating the networking headaches you'd normally face. Authentication is handled through your corporate Active Directory instance.

Run Your Existing Apps in the Cloud, On-Premise or Both

Once you've created a cloud-integrated datacenter, you can easily extend your existing apps into the cloud and run them on Amazon EC2. The Panzura GFS gives you access to the same consistent file data from anywhere, including the cloud, and with SkyBridge, you can connect applications, virtual desktops or services like anti-virus or search directly to the files.

How Panzura for Amazon Web Services Helps You

With Panzura, you can run your applications in the cloud without being an expert in cloud computing. You can provision virtual desktops and applications in the cloud seamlessly, all connected to your corporate infrastructure. You can easily:

1. **Create a seamless hybrid cloud.** Hybrid cloud usually means islands of infrastructure, loosely coupled by complex and expensive networking connections. With Panzura, you can create a cloud-integrated datacenter -- a seamless hybrid cloud that connects your infrastructure to AWS.
2. **Take advantage of cloud economics.** By using AWS to extend your datacenter, you avoid deploying expensive servers and storage that rarely get fully utilized
3. **Provision applications with one click when you need them, where you need them.** SkyBridge lets you use the cloud to deploy applications anywhere in the cloud without requiring the traditional hardware or software capital expense.
4. **Consolidate infrastructure from small sites to the cloud.** Since you can put applications and other services in a cloud region closest to each office, you can eliminate most of the local infrastructure at those offices.
5. **Simplify networking.** SkyBridge solves routing and connectivity challenges. It automatically connects your datacenter to the cloud without requiring any specialized networking setup.

By solving the last mile of hybrid cloud computing, Panzura lets you bring the cloud to your datacenter without any changes to your user workflow. Data is always immediately available and consistent in every datacenter including the cloud.



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