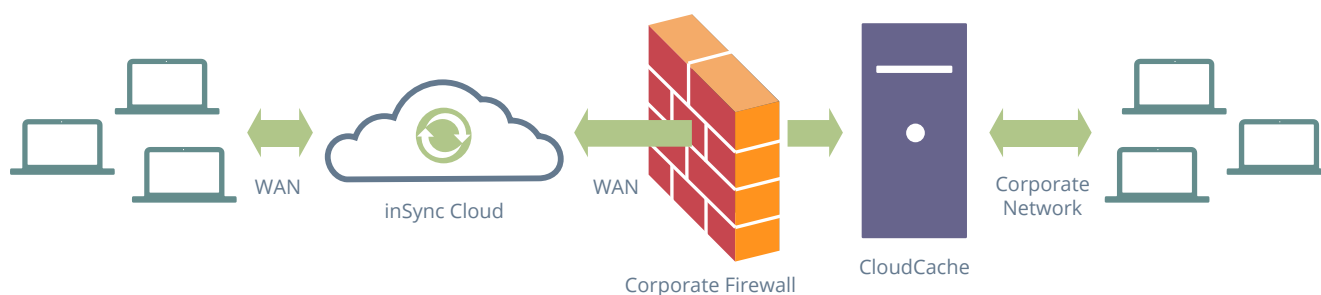# inSync CloudCache:

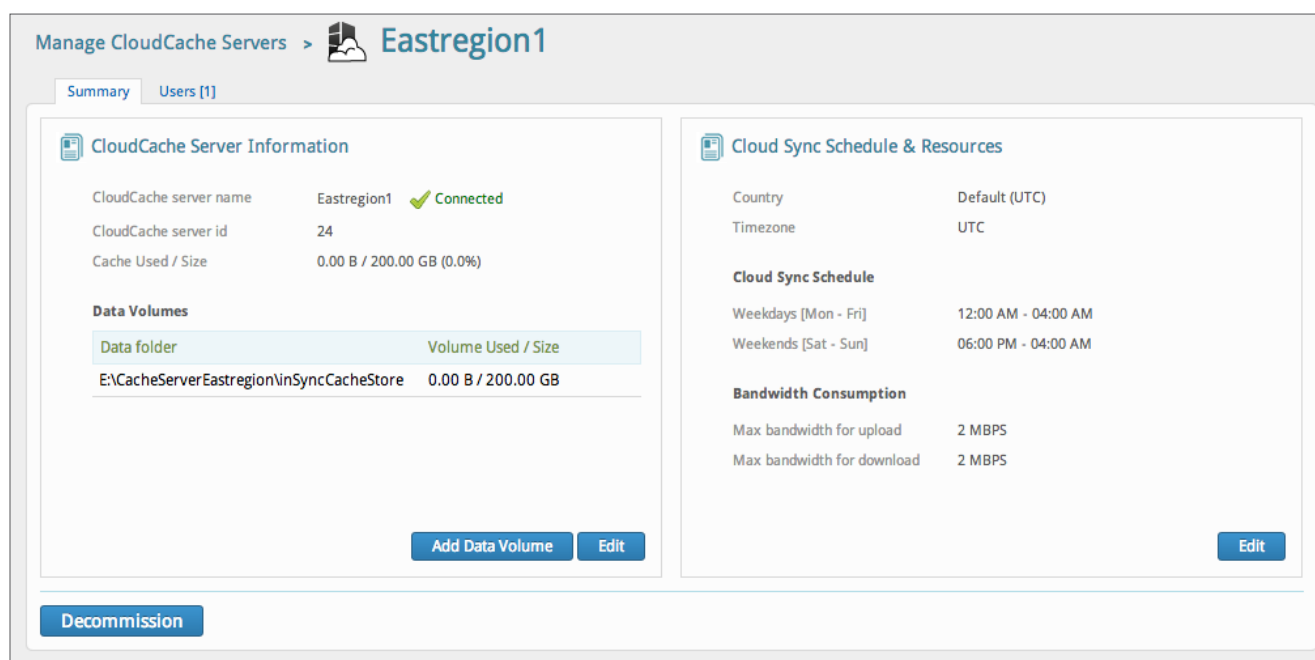## On-site Cache Appliance for Turbocharged Backups & Restores

Backup and restore of large data sets directly from the cloud could be challenging in environments with low and unpredictable WAN bandwidth. In such bandwidth constrained environments, the initial rollout of endpoint backup or mass restores of user data during device refreshes can have performance implications to other services that share the same WAN connection.

Druva's inSync CloudCache, an optional software appliance that can be deployed on-site, offers the most effective Cloud deployment approach for such environments. With inSync's CloudCache, you can turbocharge your backups, restores, and data syncs to the cloud while optimizing WAN utilization to keep your network running efficiently.

WAN   inSync Cloud   WAN   Corporate Firewall   CloudCache   Corporate Network

On-site Caching for High-speed Backups & Restores

- By flexible mapping of select users to CloudCache, endpoint backups can be directed to the on-premise cache to achieve LAN-like speeds.

- Metadata is managed directly on the cloud for snapshot consistency and global dedu-plication across all enterprise endpoints.

- Using a patented sync technology, inSync achieves optimized, deduplicated block transfers between the CloudCache and the Cloud, which can be flexibly scheduled during off-peak hours with effective bandwidth throttling.

- CloudCache can also be prepared for restores for select users, whose complete last snapshots are made available on the local cache for immediate and fast restores.

inSync admin console policies for configuring CloudCache

A Cache That Will Make The Most of Your Network Bandwidth

Hybrid Capability With a Seamless Backup/Restore Experience

CloudCache's unique architecture maintains metadata on the cloud while using the local cache only for deduplicated data. By consolidating the metadata on the cloud, inSync enables   user backups and restores to occur seamlessly regardless of their locations on LAN or WAN, while maintaining all the benefits of inSync's global deduplication.

Maximize the Network Efficiency of Your Endpoint Data Protection Rollout

When rolling out your endpoint backup solution to tens of thousands of end-users, you want to make sure the first full backups are fast with optimal utilization of your WAN. With inSync CloudCache, you can direct the initial backups of groups of users to the on-site cache to achieve LAN-speed backups.

Patented Sync Between CloudCache and Cloud

Unlike dual-destination backups that send full data sets to two different independent locations, CloudCache offers a single destination backup to the on-site cache, which then uses a patented auto-population technology to efficiently sync the cache to the Cloud. The sync is deduplicated and can be configured during off-peak hours with bandwidth throttling to ensure the best network usage.

Keep User Data Cache-Ready for Large-Scale Device Refreshes

A device refresh or OS migration requires you to migrate all your users' data from their old devices to their new or replacement devices. With inSync CloudCache, you can provide LAN-speed restores by preparing the cache during off-peak WAN hours for select groups of users.

Immediate Data Access for Litigation Hold

Legal hold requires you to collect and serve multiple users' data for eDiscovery. In this event, you can prepare the cache for full restores of custodian data. This event then automatically transfers user data from the cloud to the cache for your legal team to easily access data over the LAN.

Deployment Simplicity and Flexibility

Unlike expensive purpose-built hardware appliances, CloudCache is a highly flexible software appliance that can be provisioned and deprovisioned using commodity servers and storage in any number of remote sites. CloudCache can be deployed and run continuously or instantiated selectively during big-data transfer events such as roll-outs, litigation holds, or device refresh cycles.

Druva customers using CloudCache include: