If you need low-latency access to your entire dataset, first configure your on-premises gateway to store all your data locally. Then, asynchronously back up point-in-time snapshots of this data to Amazon S3. This configuration provides durable and inexpensive offsite backups that you can recover to your local data center or Amazon EC2.

S3 and Glacier are not used for this purpose. Volume gateway provides an iSCSI target, which enables you to create volumes and mount them as iSCSI devices from your on-premises or EC2 application servers. The volume gateway runs in either a cached or stored mode. In the cached mode, your primary data is written to S3, while retaining your frequently accessed data locally in a cache for low-latency access. In the stored mode, your primary data is stored locally and your entire dataset is available for low-latency access while asynchronously backed up to AWS.

**Amazon Kinesis Data** Streams is a serverless streaming data service that makes it easy to capture, process, and store data streams at any scale.

Amazon Kinesis Data Streams (KDS) is a massively scalable and durable real-time data streaming service. KDS can continuously capture gigabytes of data per second from thousands of sources such as website clickstreams, database event streams, financial transactions, social media feeds, IT logs, and location-tracking events. Make your streaming data available to multiple real-time analytics applications, to Amazon S3 or to AWS Lambda within 70 milliseconds of the data being collected.

