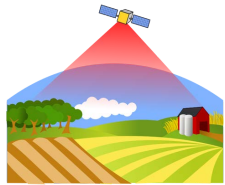# Imagery Pipeline Setbacks
Case Study

About Our Customer

Our customer helps farmers use software and analytics to make farming more profitable, sustainable, and efficient. They understand that as the world's population continues to rise, innovations are needed to keep up with the growing pace and demand in agriculture. They asked Source Allies to help tune the performance of an application that could easily inform growers of trouble spots in their field.

The Challenge

Our customer was pulling in satellite imagery and unknowingly processed and stored each image tile up to 10X. When our customer saw their S3 costs spike, they reached out to Source Allies for assistance. Source Allies experts worked with our customer team to pinpoint the problem, making worker/SQS tuning adjustments, and cleaned up the duplicated data.

The Solution

Source Allies collaborated with key developers from the partner site to identify the duplicates that were stored, then fired off scripts to delete them. This required in-depth knowledge of SQS in order to fine-tune it perfectly to balance cost and responsiveness. As a result, our company provided a valuable solution while significantly reducing our customer's operational and storage costs.

The Benefits

Multi-Region Active-Active Architecture

DynamoDB global tables catalogued all set imagery and were accessible in all regions.

Transparency

AWS provided us with the tools to give visibility into growing petabytes and helped us reduce the cost for our customer.

SQS Tuning

SQS was tuned to speed up the process and avoid duplicate processing.

About Source Allies and Amazon Web Services

Source Allies is an Iowa-based technology services company and an APN Advanced Consulting Partner.   Our teams bring an ownership mindset when building custom software products to achieve our customers' goals. We work to fully understand the problems our customers want to solve so that we can design the simplest architecture to solve that problem.

Next Steps

To learn more about how AWS and Source Allies teams can help your business, visit https://www.sourceallies.com/