



Reducing Latency and Global Data Governance

SUMMARY

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 them expand into other markets outside of the United States.

CHALLENGE

Our partner did not have an international presence, and they were interested in expanding their product to other territories. They were concerned that their customers' data would be stored and governed by the laws of another country. They challenged Source Allies to avoid that crossover.

SOLUTION

Source Allies was able to build a CI/CD pipeline that deploys the same application source code across multiple regions, while also allowing each country's data to stay in its respective area. This was hugely beneficial to our customer because it reduced latency and alleviated data governance concerns.

BENEFITS

Aurora

Aurora allowed Source Allies to replicate the data across availability zones. This way, it ensures uptime for a region even if one availability zone goes down.

CloudFront

Using CloudFront sped up the content delivery by pulling data from the closest region, as opposed to bouncing it from one country to another.

Virtual Private Cloud

The idea to span multiple regions was made possible by creating VPC subnets in each region, but it was paired to a central VPC for shared information.