Olli Salumeria Saves 80% on Disaster Recovery for SAP ERP Infrastructure Using AWS

Overview

Customers expect to find Olli Salumeria artisanal fine meats at supermarkets across the globe. In order to make this happen, Olli Salumeria depends on the availability of its SAP ERP (enterprise resource planning) infrastructure. That is why the company's leadership recently determined that they needed a more robust disaster recovery solution for their SAP ERP workloads comprising 5 TB of data. Working with R Systems, an AWS Advanced Consulting Partner, Olli Salumeria used AWS Elastic Disaster Recovery (CloudEndure Disaster Recovery) to set up a secondary site on AWS. The new disaster recovery solution was put into place within just 6 weeks, and meets the company's rigorous recovery objectives.

Challenge: Enable Fast, Cost-Effective Recovery of SAP ERP Infrastructure Running on Physical Servers

Olli Salumeria, a company dedicated to producing artisanal slow-cured fine meats, wanted to ensure it could meet the needs of its customers no matter what IT disruptions might occur. Its SAP ERP infrastructure was running on Windows 2016 on physical servers in a single data center.

Given the importance of this infrastructure, Olli Salumeria looked for a disaster recovery solution that could provide maximum availability of production applications with minimal recovery time objectives (RTO) and recovery point objectives (RPO). (RTO is the amount of time required to recover from a disaster after notification of business disruption. RPO is the amount of time that data loss is tolerable.)

One of the first decisions the Olli Salumeria team had to make was where to set up a secondary data center for its 5 TB of data. They also needed to find a disaster recovery solution that could automatically replicate their production applications running on physical servers – something not all disaster recovery solutions can do.

Additionally, they had to determine how to set up the secondary data center so that it would continually sync with their production applications. Given the urgent importance of this project, the leadership at Olli Salumeria wanted the solution in place within two months.

In light of these challenges, Olli Salumeria decided to turn to R Systems, an AWS Advanced Consulting Partner that is a global leader in technology, data, and AI/analytics services.

Solution: Using AWS Elastic Disaster Recovery to Set Up Secondary Site on AWS

Based on the requirements of Olli Salumeria, the experienced team at R Systems recommended using AWS Elastic Disaster Recovery to set up a secondary site on AWS for

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Gregg Gilliam
Director of Information Technology and Supply Chain at Olli Salumeria

Highlights

- Olli Salumeria's SAP ERP infrastructure comprises 5 TB of data

- SAP ERP production workloads run on physical servers

- R Systems used AWS Elastic Disaster Recovery to set up secondary site on AWS

- Entire set up and implementation took under 6 weeks

- Olli Salumeria now meets their RPO and RTO of 10 minutes

their SAP ERP infrastructure. AWS Elastic Disaster Recovery continuously replicates servers (including operating system, system state configuration, databases, applications, and files) into a low-cost staging area subnet in the user's AWS account and preferred Region.

In the case of an IT disruption or disaster recovery drill, the user can use AWS Elastic Disaster Recovery to automatically launch the servers in their fully provisioned state. This triggers a highly automated server conversion process and a scalable orchestration engine that quickly spins up servers in the user's AWS Region in minutes.

In order to validate the solution for Olli Salumeria, R Systems conducted a proof of concept with a dev workload. They set up an Amazon Virtual Private Cloud (Amazon VPC) on AWS and then installed the AWS DR Replication Agent on the dev server, which initiated block-level, continuous replication to the Amazon VPC on AWS. Once the dev workload was up and running smoothly on AWS, Olli Salumeria decided to move forward with using AWS Elastic Disaster Recovery for its SAP ERP applications.

Thanks to the automation that AWS Elastic Disaster Recovery provides, R Systems was able to complete the implementation and testing of a cluster of four servers, comprising 5 TB of data, within 6 weeks. During that time period, the actual replication of the data took less than 4 days.

"The replication automation is one of the most significant benefits of AWS Elastic Disaster Recovery," explained Sukhjeet Singh Chadha, Senior Solution Architect at R Systems. "We just needed to ensure connectivity of the machines and install an agent on each one, and the replication happened on its own. This is much quicker than a manual process, which would have required us to take data backups, create workloads, move the workloads along with the data, and do the configuration-level changes."

Results: Olli Salumeria Saves 80% on Disaster Recovery While Ensuring Core Business Applications Are Ready to Recover in Minutes

Olli Salumeria uses AWS Elastic Disaster Recovery to launch frequent, non-disruptive disaster recovery drills. The drills have confirmed for Olli Salumeria that they can meet their recovery objectives—an RTO of 15 minutes and an RPO of 5 minutes. In fact, Saurabh Agarwal, Solution Architect at R Systems, reported that, "AWS Elastic Disaster Recovery does far better than the required RTO. It is able to launch the recovered machines within 10 minutes or less."

Moreover, Olli Salumeria achieves these stringent recovery objectives without paying for duplicate compute resources, resulting in a savings of 80%. This is due to AWS Elastic Disaster Recovery's low-cost staging area subnet, which uses of t3.medium EC2 instances. Olli Salumeria pays for fully provisioned AWS EC2 instances only in an actual disaster or drill.

Gregg Gilliam, Director of Information Technology and Supply Chain at Olli Salumeria, expressed his satisfaction with the results: "By leveraging R Systems expertise and AWS capabilities, we established a secure and scalable platform that helped us solve technical challenges, address new business requirements, and keep our data secure."

R Systems identified Olli Salumeria's business challenges, objectives, and the best solutions to achieve the desired outcome. Now that they have a robust disaster recovery solution, with a secondary site on AWS, Olli Salumeria is ready to recover data quickly and minimize downtime in the case of IT disruptions.

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Saurabh Agarwal
Solution Architect at R Systems

About Olli Salumeria

Olli Salumeria is a company dedicated to producing high-end salumi by using traditional methods combined with the most advanced European technologies. With headquarters in Oceanside, California, Olli Salumeria sells cured meats all over the world.

About R Systems

R Systems is a global leader in technology, data, artificial intelligence, and analytics services. It has a global workforce of 3,000 employees spread across 16 delivery-centers and 25 offices. R Systems is an AWS Advanced Consulting Partner, helping customers fully leverage the AWS platform to redefine business strategy, build a cloud roadmap, optimize operational efficiency, and minimize IT costs.