

Disaster Recovery Using AWS Backup Service

Acme United Corporation

eCommerce supplier of cutting, measuring and safety products for the school, home, office, hardware and industrial markets



BUSINESS PROBLEM

Acme United Corporation aims to be a leading supplier of cutting, measuring, first aid and safety products in the craft, school, office, home, industrial and food processing markets. Acme's eCommerce platform runs Magento on AWS. The platform is critical to Acme's growth strategy, but it lacked a business continuity plan. To avoid impact to their vendors, consumers, and revenue streams in the event of a disaster, Acme required a backup solution that was effective, flexible, scalable and easy to manage.



PROJECT OVERVIEW

- GreenPages Implemented AWS Backup to incorporate Amazon RDS databases, Amazon EBS volumes, and Amazon EFS file systems into a comprehensive backup plan
- Automated backups to take daily snapshots at midnight which avoids service impact
- Used the AWS Backup management console to backup all resources on the same schedule without the need for custom scripting.
- Configured GFS retention policy to meet Acme's SLA requirements
- Created AMIs for Magento web servers to maintain a golden state image



COST IMPACT

- AWS Backup service snapshot retention policy configured per customer's RPO/RTO. Only the snapshots needed to meet requirements are retained. Excess snapshots are expired to save on S3 expenses.



RISK IMPACT

- Implemented a backup solution that protects Acme from financial loss in the event of a disaster
- Securely encrypted Amazon EFS backups at rest
- Limited access to AWS Backup by using Identity and Access Management (IAM) Policies and IAM Group memberships



SERVICE IMPACT

- Provided Acme with the ability to restore data within a timeframe that meets or exceeds their RTOs/RPOs
- Centralized and automated the backup of data across AWS services using AWS Backup service for an easy to manage solution