AWS Infrastructure Cost Report for sarvadnya.tech

Period: Oct 1 - Oct 6, 2024
Comparison: Sep 1 - Sep 6, 2024

1. Executive Summary

This report provides an analysis of the AWS infrastructure costs associated with deploying the portfolio website, **sarvadnya.tech**, from **Oct 1 - Oct 6, 2024**, with a comparison to the previous period, **Sep 1 - Sep 6, 2024**. The total accrued cost for this period is **$40.02**, compared to **$40.72** in the previous period, reflecting a slight reduction of **1.7%** in overall costs.

2. Cost Breakdown by Service

The following breakdown details the individual costs for each AWS service used, alongside comparisons to the previous period and percentage changes:

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	A	B	C	D	E
1	Service	Current Period (Oct 1 - Oct 6)	s Period (Sep 1 -	Change	% Change
2	Amazon Elastic Compute Cloud (EC2)	16.06	0	16.06	New
3	Amazon Elastic Kubernetes Service (EKS)	14.59	22.09	-7.5	-33.96%
4	NAT Gateways	6.67	16.13	-9.46	-58.68%
5	Amazon Virtual Private Cloud (VPC)	1.6	1.96	-0.36	-18.39%
6	Amazon Route 53	0.6	0.18	0.42	+228.48%
7	AWS Cost Explorer	0.45	0.16	0.29	+181.25%
8	Amazon CloudWatch	0.01	0	0.01	New
9	Elastic Load Balancer (ELB)	0.01	0	0.01	New
10	AWS Secrets Manager	0.01	0	0.01	New
11	Amazon Simple Storage Service (S3)	0.01	0	0.01	New
12	Amazon Glacier	0.01	0	0.01	New
13	AWS Data Transfer	0	0.01	-0.01	-100%
14	Amazon Elastic Block Storage (EBS)	0	0.19	-0.19	-100%
15	AWS Key Management Service (KMS)	0	0	0	No Change
16	Amazon DynamoDB	0	0	0	No Change
17	Amazon Simple Notification Service (SNS)	0	0	0	No Change
18	Amazon Simple Queue Service (SQS)	0	0	0	No Change
19	AWS CloudFormation	0	0	0	No Change
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Total Costs

- **Oct 1 - Oct 6, 2024:** $40.02
- **Sep 1 - Sep 6, 2024:** $40.72
- **Overall Change:** -$0.70 (-1.7%)

3. Key Insights

- **Amazon EC2**: Significant cost increase to $16.06 as it wasn't used in the previous period, indicating a new deployment or increased server usage during the latest period.
- **Amazon EKS**: A 33.96% reduction in EKS costs reflects more efficient usage of Kubernetes resources, possibly from improved scaling or reduced resource allocation.
- **NAT Gateway**: Costs decreased by 58.68%, signaling an optimization in network traffic or reduced reliance on NAT gateways, which are typically expensive.
- **Amazon Route 53**: A large percentage increase (+228.48%) in DNS management costs may be due to increased traffic or additional DNS configurations for new subdomains or routing policies.
- **AWS Cost Explorer**: Increased by 181.25%, likely reflecting more frequent usage of this tool for cost tracking or optimization efforts.

5. Conclusion

The overall costs for the infrastructure powering **sarvadnya.tech** have decreased slightly over the past week, reflecting better utilization of services like **EKS** and **NAT Gateways**. However, there are still opportunities to further optimize costs, especially for **EC2** and **Route 53**. Implementing the above recommendations could yield further savings and improve the cost efficiency of the portfolio site's infrastructure.