



Important: Course Estimation and Resource Management

EKS Control Plane	Self-managed	0.100	3 hr	0.3
EKS Worker Nodes	g5.2xlarge	1.212	3 hr	3.636
OpenAI Chat API	2.5/mil input + 10/mil output	~30 API calls		~1
Total Estimated Cost	15 USD approx.			

Key Recommendations

Resource Shutdown Practices:

To optimize costs, ensure that unused resources are shut down after usage. For example, shutting down resources in AWS Studio can prevent unnecessary charges.

Refer to the official documentation for guidance:

- [AWS Documentation on Shutting Down Studio Resources](#)
- [AWS Documentation on Deleting an EKS Cluster](#)
- [AWS Documentation on Deleting an S3 bucket](#)
- [AWS Documentation on Deleting a NAT Gateway](#)

Why This Matters?

Managing costs effectively is a critical skill in LLM operations. The interplay between computational resources, storage, and API interactions can quickly escalate operational budgets.

Understanding these elements ensures scalability and efficiency in deploying and maintaining LLM solutions.