[A **load balancer** efficiently distributes incoming network traffic across multiple backend servers, ensuring high availability and reliability while preventing server overload1](https://www.golinuxcloud.com/aws-application-load-balancer-tutorial/). Here are five free resources to learn more about load balancers:

1. [**NGINX Load Balancing Guide**](https://www.nginx.com/resources/glossary/load-balancing/): NGINX provides an in-depth explanation of load balancing concepts, algorithms, and best practices[1](https://www.golinuxcloud.com/aws-application-load-balancer-tutorial/).
2. [**Cloudflare Load Balancing Learning Path**](https://developers.cloudflare.com/learning-paths/load-balancing/): Cloudflare offers a concise guide covering components, monitors, routing, and planning for load balancers[2](https://developers.cloudflare.com/learning-paths/load-balancing/).
3. [**AWS Application Load Balancer Tutorial**](https://www.golinuxcloud.com/aws-application-load-balancer-tutorial/): Learn step-by-step how to create an AWS Application Load Balancer, configure EC2 instances, and set up routing[3](https://www.udemy.com/course/buildf5lab-w/).
4. [**F5 BIG-IP Tutorial**](https://www.udemy.com/course/buildf5lab-w/): This Udemy course provides hands-on experience in building an F5 BIG-IP lab for load balancing simulation and testing[4](https://www.w3schools.com/training/aws/getting-started-with-application-load-balancer.php).
5. [**Getting Started with Application Load Balancer**](https://www.w3schools.com/training/aws/getting-started-with-application-load-balancer.php): W3Schools offers a beginner-friendly tutorial on creating an AWS Application Load Balancer[5](https://www.youtube.com/watch?v=ZGGpEwThhrM).

Feel free to explore these resources to deepen your understanding of load balancing! 🚀