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| **Docker Swarm** | **Kubernetes** |
| Docker Swarm is easy and convenient to set up, but it doesn't have a robust cluster. | Kubernetes is more complicated than Docker Swarm to set up, but it assures a robust cluster. |
| Docker Swarm can't do auto-scaling as the Kubernetes can do, but Docker's scaling is five times faster than Kubernetes. | Kubernetes can do auto-scaling, but scaling is slower than Docker Swarm. |
| Docker Swarm doesn't provide a GUI. | Kubernetes provides a GUI in the form of a dashboard. |
| Docker Swarm provides an automatic load balancing feature of traffic between containers in a cluster. | It requires manual intervention in Kubernetes for load balancing such traffic. |
| Docker requires third-party tools such as the ELK stack for logging and monitoring. | Kubernetes provides such integrated tools for logging and monitoring purposes. |
| In Docker Swarm, we can easily share storage volumes with any container. | In Kubernetes, we can only share storage volumes with containers in the same pod. |
| We can deploy rolling updates in Docker Swarm but can't deploy automatic rollbacks. | In Kubernetes, we can deploy rolling updates as well as automatic rollbacks. |