**Kubernetes vs. Docker Swarm**

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| **Parameters** | **Docker Swarm** | **Kubernetes** |
| Scaling | No Autoscaling | Auto-scaling |
| Load balancing | Does auto load balancing | Manually configure your load balancing settings |
| Storage volume sharing | Shares storage volumes with any other container | Shares storage volumes between multiple containers inside the same Pod |
| Use of logining and monitoring tool | Use 3rd party tool like ELK | Provide an in-built tool for logging and monitoring. |
| Installation | Easy & fast | Complicated & time-consuming |
| GUI | GUI not available | GUI is available |
| Scalability | Scaling up is faster than K8S, but cluster strength not as robust | Scaling up is slow compared to Swarm, but guarantees stronger cluster state Load balancing requires manual service configuration |
| Load Balancing | Provides a built-in load balancing technique | Process scheduling to maintain services while updating |
| Updates & Rollbacks Data Volumes Logging & Monitoring | Progressive updates and service health monitoring. | Only shared with containers in same Pod Inbuilt logging & monitoring tools. |