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| 1. LXC is a virtual environment creation tool, it was built by Google, IBM etc. | LXD is an add on for the LXC to provide advanced features and functionalities. |
|  | Multiple processes are needed for multiple containers and hence it is not flexible. | LXD makes it flexible by providing a single process for multiple containers. |
|  | Snapshots, Live Migration etc are some of the features which are not supported by LXC. | LXD supports snapshots and lives migration features. |
|  | Scalability functionality is not provided by LXC and hence users shift to other virtual solutions. | With the use of LXD, scalability is achieved in LXC. |
|  | Management capabilities are poor, especially in the case of network and storage. | It has better management capabilities like storage pooling. |
|  | It is not user friendly and needs the expertise to handle the processes. | It provides a user-friendly interface. |
|  | After data processing, the data cannot be retrieved. | Data retrieval functionality after data processing is provided in LXD. |
|  | C API is used by the LXC. | LXD uses REST API. |