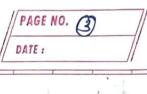
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DATE: # Chapter-1 Container 95 on encapsulated process that Encludes the required furtime dependencies for a program to sun In container application-specific libraries are independent of the host operating system libraries. on Comane can count multiple immutable: unchanging over time ephermal: lating for a very short time Containers use caroups for resource management, such as CPU time allocation and Bystem memory Containers use namespaces to 950 tale processe within containers from each other and from the host system Environment within a container is linearbased regardless of the host 0.5. linex-specific feartures are often virtualized by container enginer. Las ison buspervises

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Red Hat Open Shift Container Platform (RHOCP) sombonitorial touded a y Manager both containers & vistual Machines from a cormon Indestace. software applications requires specific versions of librares to be ovailable for deployment which can result in dependency issues or specific Os requirements. As Container image oncludes libraries no worry of dependencies are there during de plongment. Kubernetes & on oachestration service that simplifies the deployment, management and scaling of ordainerized applications Manager complex pools for resources such as CPU, RAM, storage & networking. Ruberneto providu light uptime & faut tolerance to container app. Smallest unit in knowneter in is a pod Pod may consist one or more contained