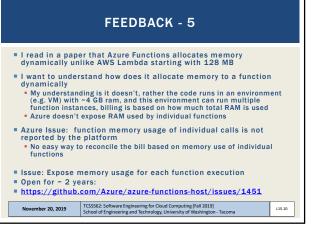


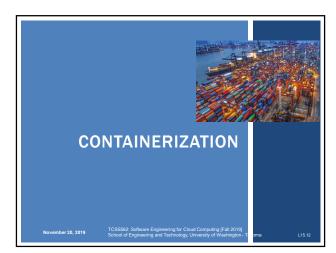
AZURE FUNCTIONS - ISSUE 1451
 MS Azure Developer - July 2019:

 One option we have been discussing is enabling the export of per execution billing data to Azure Monitor logs. You could then analyze the data using Log Analytics or take advantage of the extensibility features of Azure Monitor to pump this data to another system. This design is likely to be easier for us to implement than some of the other alternatives we've considered.
 One thing to keep in mind is that this would not give you a real-time view of execution cost. There would be at least a few minutes of delay between a function finishing execution and the cost data becoming available in the logs.
 If we took this approach, would this address your needs? Please let us know. Thanks!

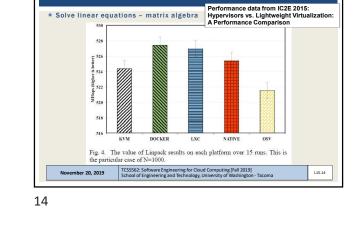
11





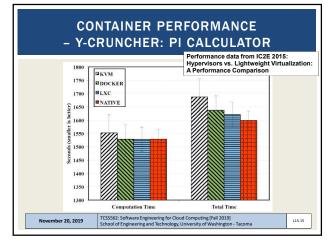




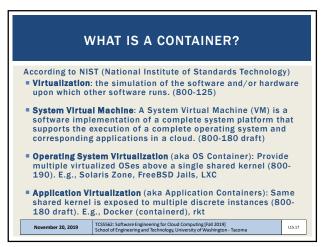


CONTAINER PERFORMANCE

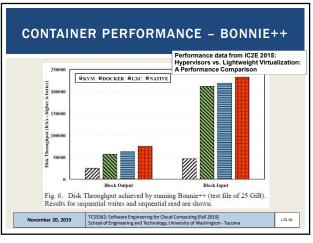
– LU FACTORIZATION PERFORMANCE

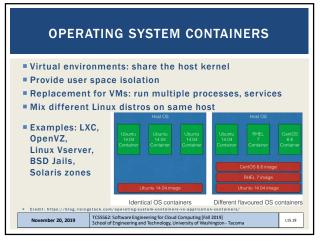


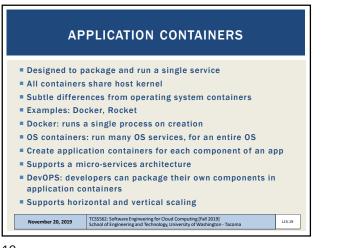
15

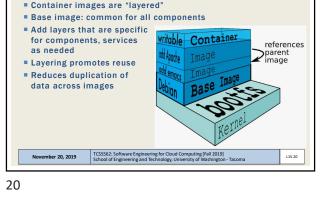












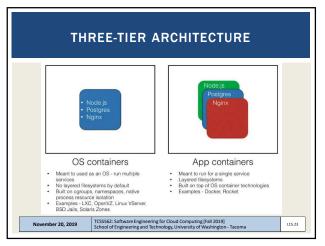
APPLICATION CONTAINERS - 2

Docker leverages overlay filesystems
 1st: AUFS - Advanced multi-layered unification filesystem
 Now: overlay2
 Unlon mount file system: combine multiple directories into one that appears to contain combined contents
 Idea: Docker uses layered file systems
 Only the top layer is writeable
 Other layers are read-only
 Layers are merged to present the notion of a real file system
 Copy-on-write- implicit sharing

 Implement duplicate copy

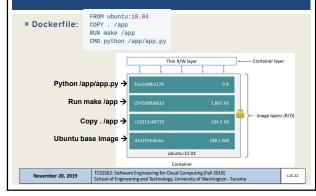
 https://medium.com/@nagarwal/docker-containers-filesystem-demystified-b6ed8112a04a
 https://www.slideshare.net/jpetazzo/scale11x-lxc-talk-1/
 Movember 20, 2019

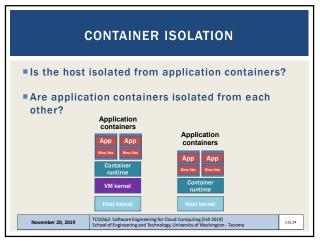
21

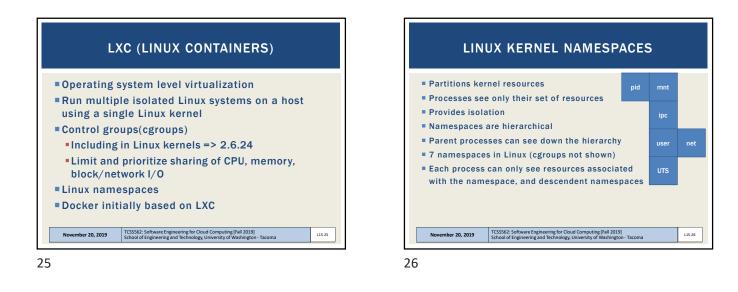


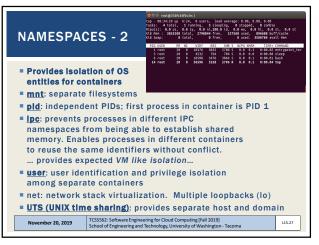
23

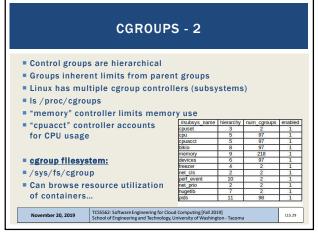




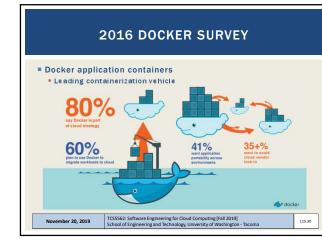


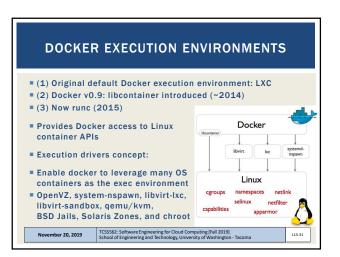




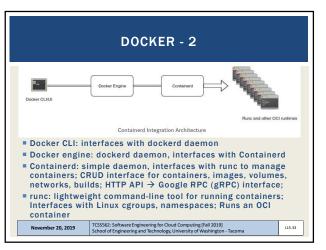


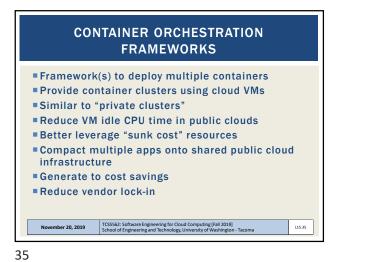


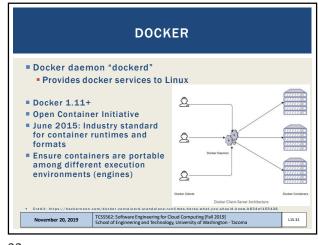




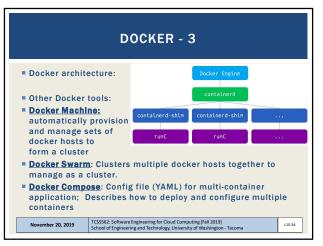


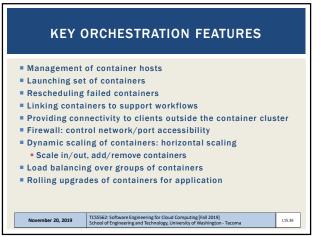




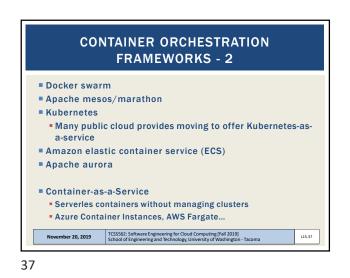


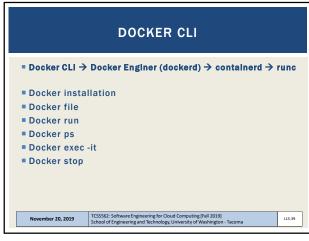
32

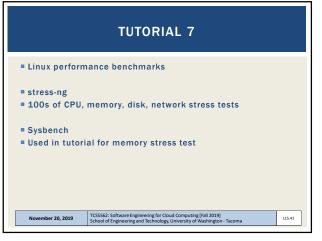




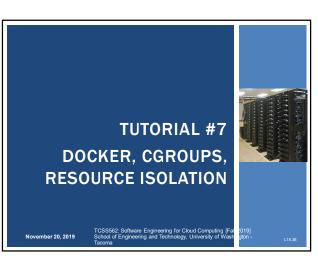








41



38

attach	Attack local standard local standard in the second standard standard standard in the second standard
build	Attach local standard input, output, and error streams to a running container Build an image from a Dockerfile
commit	Create a new image from a container's changes
CD	Copy files/folders between a container and the local filesystem
create	Create a new container
deploy	Deploy a new stack or update an existing stack
diff	Inspect changes to files or directories on a container's filesystem
events	Get real time events from the server
evenus	Run a command in a running container
export	Export a container's filesystem as a tar archive
history	Show the history of an image
images	List images
import	Import the contents from a tarball to create a filesystem image
info	Display system-wide information
inspect	Return low-level information on Docker objects
kill	Kill one or more running containers
load	Load an image from a tar archive or STDIN
login	Log in to a Docker registry
logout	Log out from a Docker registry
loas	Fetch the logs of a container
pause	Pause all processes within one or more containers
pause	List port mappings or a specific mapping for the container
porc	List containers
pull	Pull an image or a repository from a registry
pucc	Push an image of a repository to a registry
rename	Rename a container
restart	Restart one or more containers
rm	Remove one or more containers
rmi	Remove one or more images
run	Run a command in a new container
save	Save one or more images to a tar archive (streamed to STDOUT by default)
search	Search the Docker Hub for images
start	Start one or more stopped containers
stats	Display a live stream of container(s) resource usage statistics
stop	Stop one or more running containers
tag	Create a tag TARGET IMAGE that refers to SOURCE IMAGE
top	Display the running processes of a container
unpause	Unpuse all processes within one or more containers
update	Update configuration of one or more containers
version	Show the Docker version information
wait	Block until one or more containers stop, then print their exit codes

