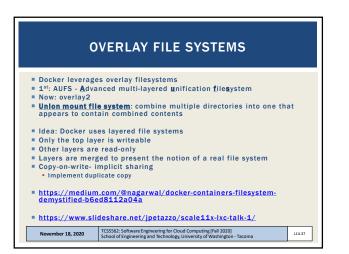
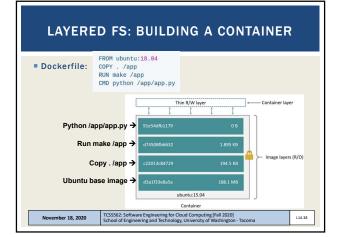
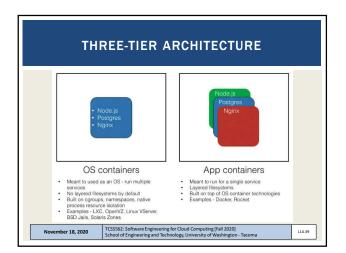
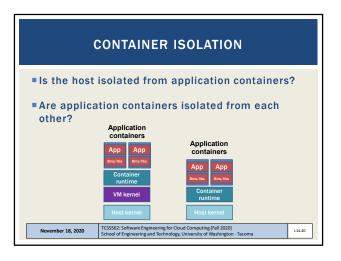


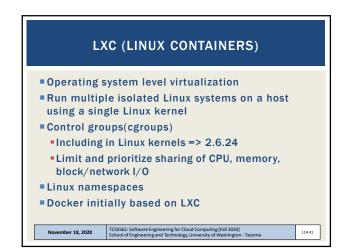
CGROUF	PS - 2			
Control groups are hierarchical				
 Control groups are merarchical 				
Groups inherent limits from pare	ent groups			
Linux has multiple cgroup control	ollers (subsy	stems	5)	
Is /proc/cgroups				
 "memory" controller limits mem 	ory use			
 "memory" controller limits mem 	ory use #subsys_name	hierarchy	num_cgroups	enable
 "memory" controller limits mem "cpuacct" controller accounts 	#subsys_name cpuset	3	2	1
 "memory" controller limits mem 	#subsys_name cpuset cpu	3	2 97	1
 "memory" controller limits mem "cpuacct" controller accounts 	#subsys_name cpuset cpu cpuacct	3 5 5	2 97 97	1 1 1
 "memory" controller limits mem "cpuacct" controller accounts 	#subsys_name cpuset cpu cpuacct blkio	3 5 5 8	2 97 97 97 97	1
 "memory" controller limits mem "cpuacct" controller accounts for CPU usage 	#subsys_name cpuset cpu cpuacct	3 5 5	2 97 97	1 1 1
 "memory" controller limits mem "cpuacct" controller accounts 	#subsys_name cpuset cpu cpuacct blkio memory	3 5 5 8 9	2 97 97 97 218	1 1 1 1
 "memory" controller limits mem "cpuacct" controller accounts for CPU usage cgroup filesystem: 	#subsys_name cpuset cpu cpuacct blkio memory devices	3 5 5 8 9 6	2 97 97 218 97	1 1 1 1 1
 "memory" controller limits mem "cpuacct" controller accounts for CPU usage cgroup fllesystem: /sys/fs/cgroup 	#subsys_name cpuset cpu cpuacct bikio memory devices freezer	3 5 5 8 9 6 4	2 97 97 218 97 2 2 2 2 2 2	1 1 1 1 1 1 1
 "memory" controller limits mem "cpuacct" controller accounts for CPU usage cgroup filesystem: 	#subsys_name cpuset cpu cpuacct bikio memory devices freezer net_cls perf_event net_prio	3 5 5 8 9 6 4 2 10 2	2 97 97 218 97 2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1
 "memory" controller limits mem "cpuacct" controller accounts for CPU usage cgroup fllesystem: /sys/fs/cgroup 	#subsys_name cpuset cpu cpuacct bikio memory devices freezer net_cls perf_event	3 5 5 8 9 6 4 2 10	2 97 97 218 97 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1

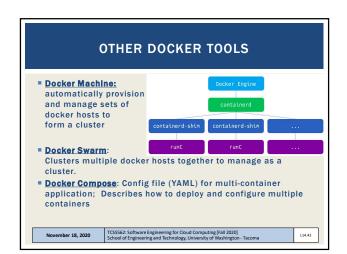


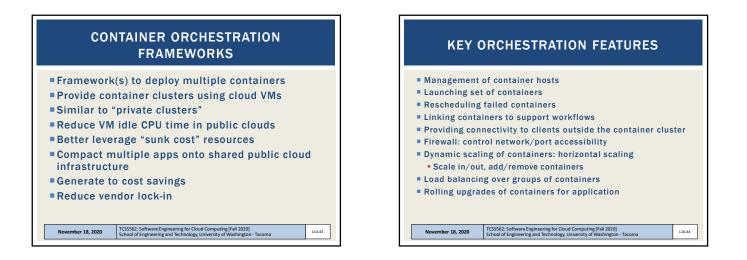












L14.45



- Apache mesos/marathon
- Kubernetes
- Many public cloud provides moving to offer Kubernetes-asa-service
- Amazon elastic container service (ECS)
- Apache aurora

Container-as-a-Service

- Serverles containers without managing clusters
- Azure Container Instances, AWS Fargate...

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