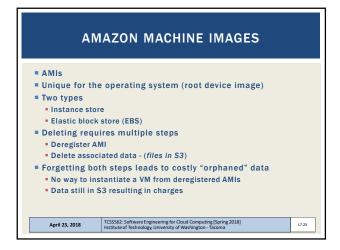
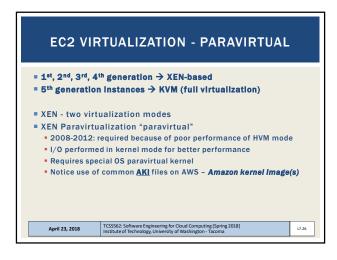
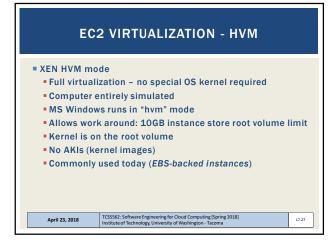
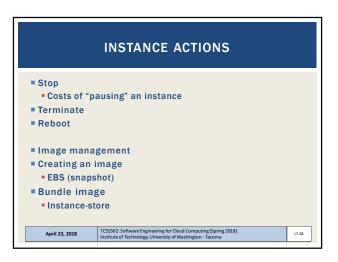


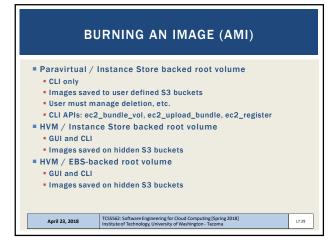
EFS PERFORMANCE				
File System Size (GiB)	Baseline Aggregate Throughput (MiB/s)	Burst Aggregate Throughput (MiB/s)	Maximum Burst Duration (Min/Day)	% of Time File System Can Burst (Per Day)
10	0.5	100	7.2	0.5%
256	12.5	100	180	12.5%
512	25.0	100	360	25.0%
1024	50.0	100	720	50.0%
1536	75.0	150	720	50.0%
2048	100.0	200	720	50.0%
3072	150.0	300	720	50.0%
4096	200.0	400	720	50.0%

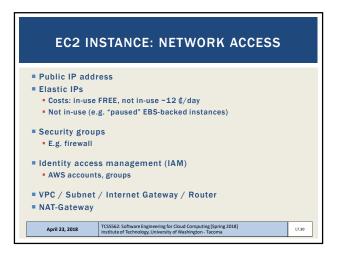


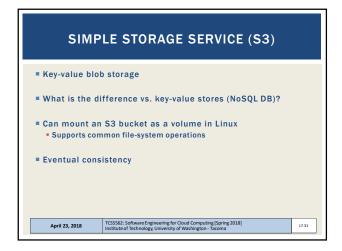


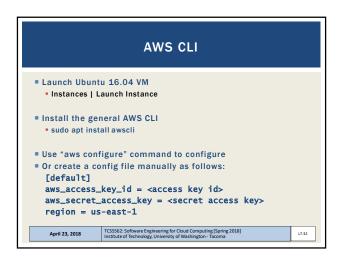


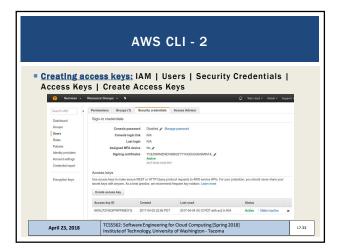


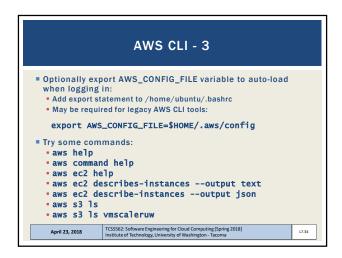


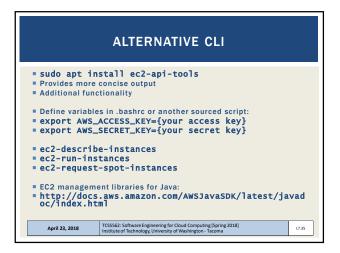


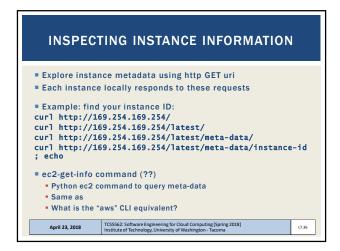






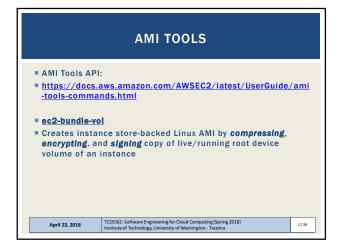




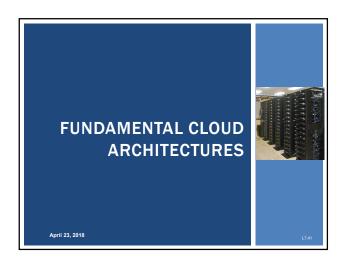


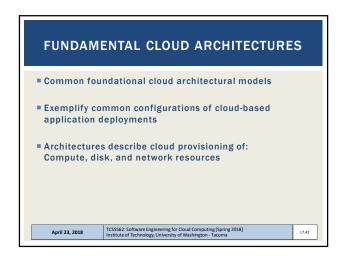
## PRIVATE KEY AND CERTIFICATE FILE Some EC2 APIs require additional authentication Private key and certificate file Install openssI package on VM # generate private key file sopenssI genrsa 2048 > mykey.pk # generate signing certificate file sopenssI req -new -x509 -nodes -sha256 -days 36500 -key mykey.pk -outform PEM -out signing.cert Add signing.cert to IAM | Users | Security Credentials | -- new signing certificate -From: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/setup-ami-tools.html?icmpid=docs\_iam\_console#ami-tools-createcertificateE April 23, 2018 | TSSSE2: Software Engineering for Cloud Computing [Spring 2018] | Institute of Technology, University of Washington-Taxoms











## FUNDAMENTAL CLOUD ARCHITECTURES - 2 Workload distribution architecture: load balancing Resource pooling architecture: resource pools Dynamic scalability architecture: auto-scaling Elastic resource scalability architecture: vertical scaling Service load balancing architecture: load balancing for cloud/web services Cloud bursting architecture: hybrid cloud Elastic disk provisioning architecture: thin vs. thick disk provisioning Redundant storage architecture: duplicate storage devices across data centers April 23, 2018 INSSEL'SCHAUEREIGNEURING for Cloud Computing (Spring 2018) Institute of fectinology, University of Weshington-Taxons

