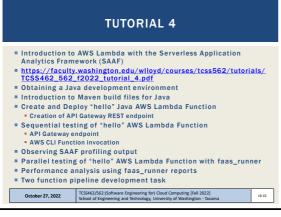
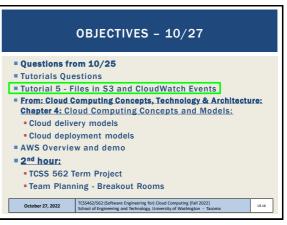


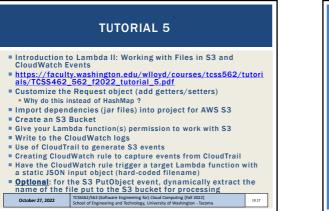
TUTORIAL 3

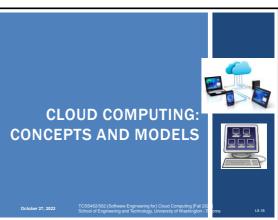


15

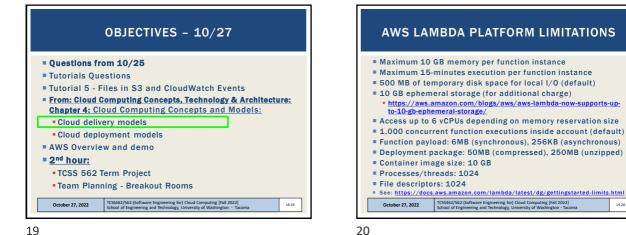


16

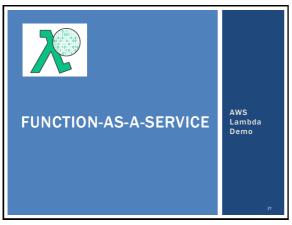




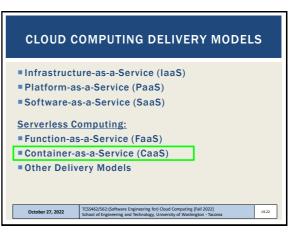
L9.20

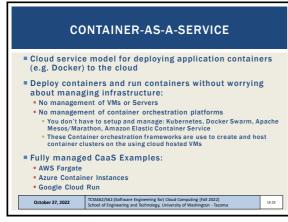


19

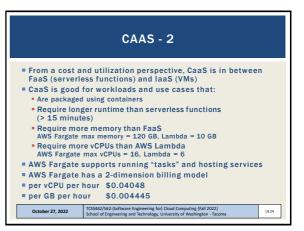


21



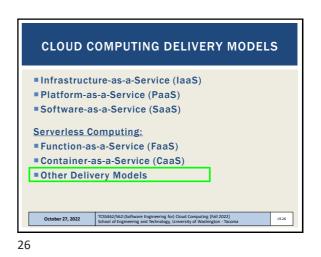






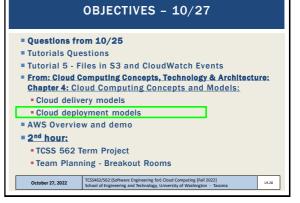


CAAS - 3						
AWS FARGAT	E					
per vCPU per	hour	\$0.04048				
per GB per hour		\$0.004445				
■ per vCPU per second		\$0.000011244				
per GB per second		\$0.00001235				
1 vCPU & 1 GB per second		\$0.000012479				
= AWS LAMBD	A					
1 GB per second		\$0.00001667				
AWS FARGATE is		25.138% cheaper				
BUT CAN you	keep the vCPUs	busy ?				
October 27, 2022		ng for) Cloud Computing [Fall 2022] ogy, University of Washington - Tacoma	19			

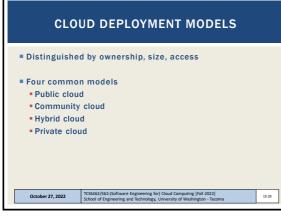


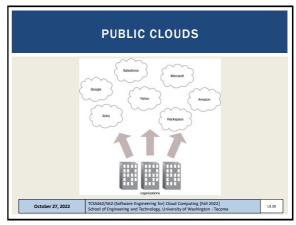
OTHER CLOUD SERVICE MODELS a laaS b Storage-as-a-Service PaaS lntegration-as-a-Service SaaS Database-as-a-Service Testing-as-a-Service Model-as-a-Service Model-as-a-Service Security-as-a-Service lntegration-as-a-Service 1000 Integration-as-a-Service 1000 Integration-as-a-Service 1000 Integration-as-a-Service 1000 Integration-as-a-Service

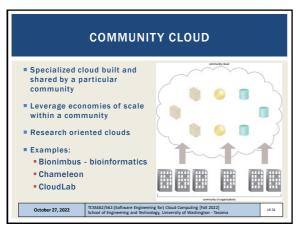
27

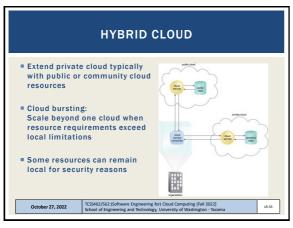


28

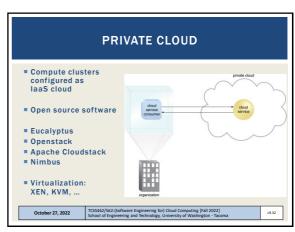




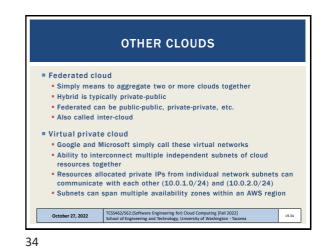




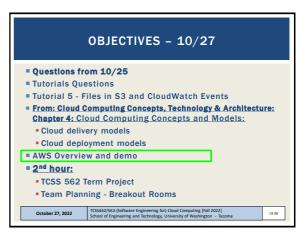
33



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WE WILL RETURN AT 7:00 PM





TCSS 462: Cloud Computing TCSS 562: Software Engineering for Cloud Computing School of Engineering and Technology, UW-Tacoma

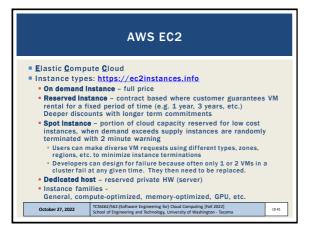
L9.38



37

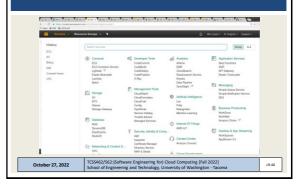


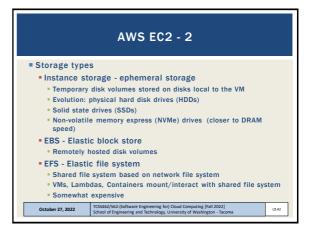
39

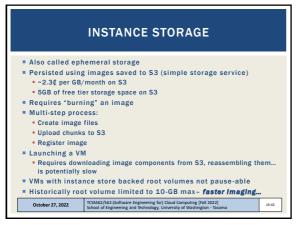


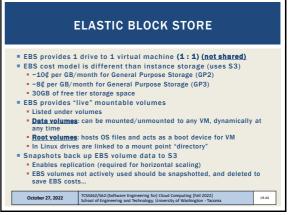




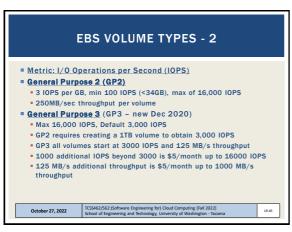




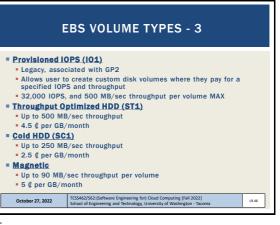




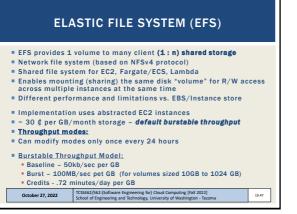
44



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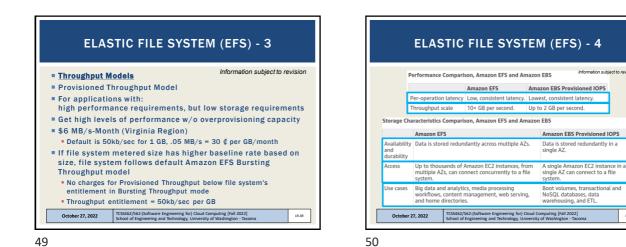




ELASTIC FILE SYSTEM (EFS) - 2

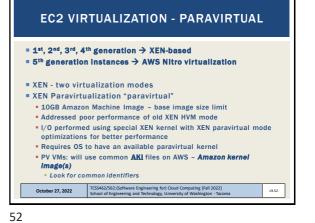
Credit model for bursting: maximum burst per day						
File System Size (GiB)	Baseline Aggregate Throughput (MiB/s)	Burst Aggregate Throughput (MiB/s)	Maximum Burst Duration (Min/Day)	% of Time File System Can Burst (Per Day)		
10	0.5	100	7.2	0.5%		
256	12.5	100	180	12.5%		
512	25.0	100	360	25.0%		
1024	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%		

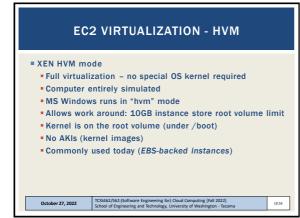
L9.50

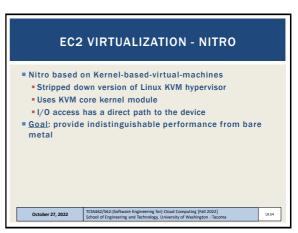


49

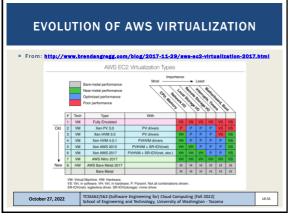








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EC2 INSTANCE: NETWORK ACCESS

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Public IP address

Security groups
E.g. firewall

NAT-Gateway

October 27, 2022

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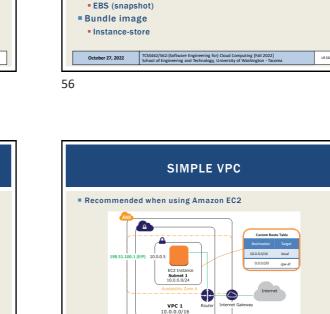
Costs: in-use FREE, not in-use ~12 ¢/day

Identity access management (IAM)
AWS accounts, groups

VPC / Subnet / Internet Gateway / Router

Not in-use (e.g. "paused" EBS-backed instances)

Elastic IPs



Region

ring for) Cloud Computing [Fall 2022] ology, University of Washington - Tace

L9.58

TCSS462/562:(Software Engineer School of Engineering and Techn

Costs of "pausing" an instance

Stop

TerminateReboot

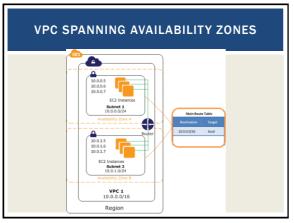
Image managementCreating an image

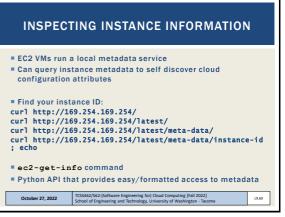
INSTANCE ACTIONS

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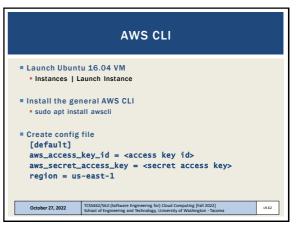
L9.57

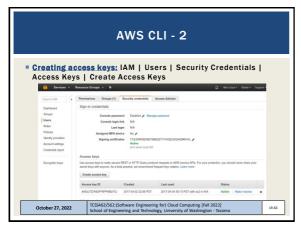




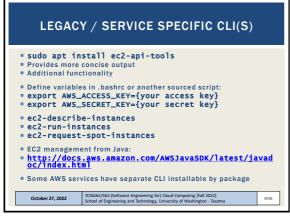




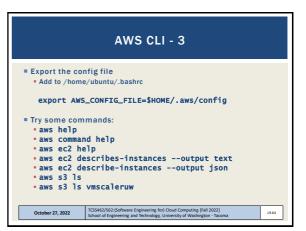




63

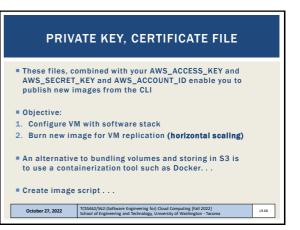






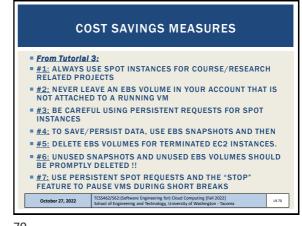




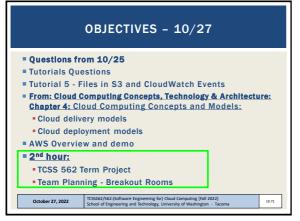


SCRIPT: CREATE A NEW INSTANCE STORE IMAGE FROM LIVE DISK VOLUME image=51 echo "Surn image Simage" echo "Simage" > image.id mkdir /mr/tmp AVS_KEY_DIR=/home/uburtu/.aws export EC2_ORL=http://e2.amazonaws.com export S3_URL=http://e3.amazonaws.com export AWS_SCRET_KEY_OUT account 1d] export AWS_SCRET_KEY_four aws access key} ec2-bundl=-vol -s 3000 -u S{AWS_USER_ID} -c S{EC2_CERT} -k S{EC2_PRIVATE_KEY} -tc://ef2/cf3/dfatto3/cert-ec2.pms -no=inhertir -r X&6_S4 -p Simage -1 /tc://ef2/cf3/dfatto3/cert-ec2.pms -no=inhertir -r X&6_S4 -p Simage -1 /tc://ef2/struet.com s{AWS_SCRET_KEY} -url http://s3.amazonaws.com -location US ec2-region us-east-1 --kernel aki-Baa7Se1 Cotober27,202

69



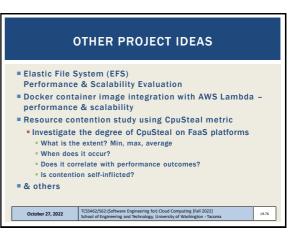




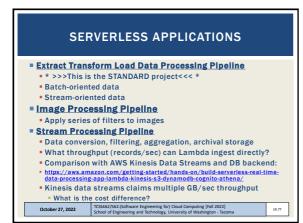


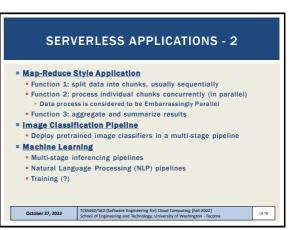




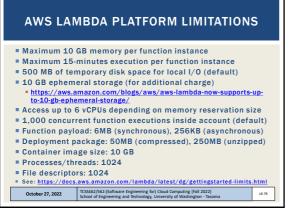


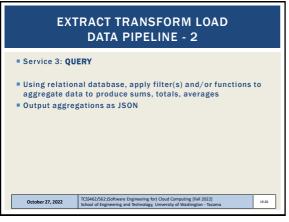
76



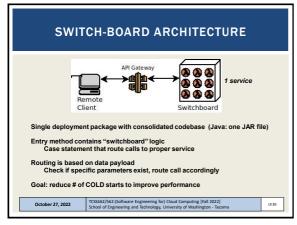


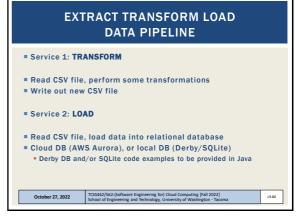




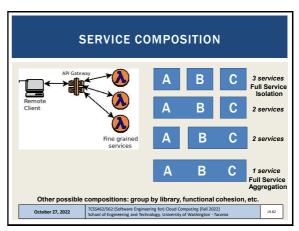


81

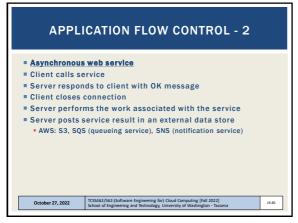


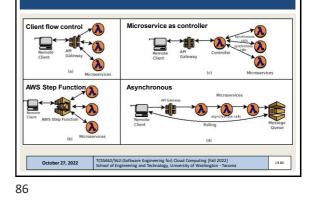


80

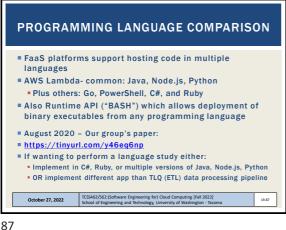


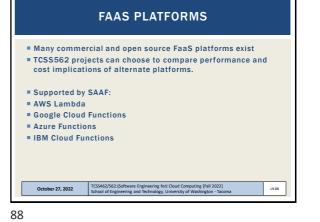


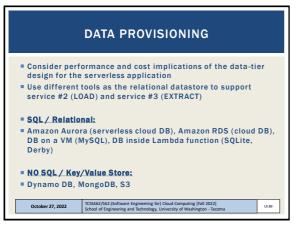




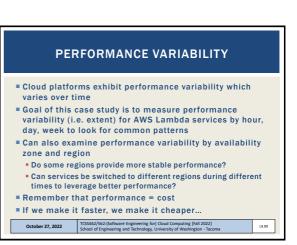
APPLICATION FLOW CONTROL - 3

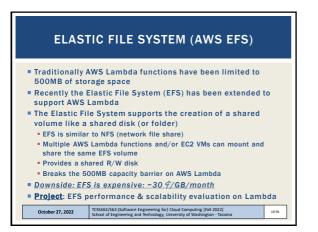


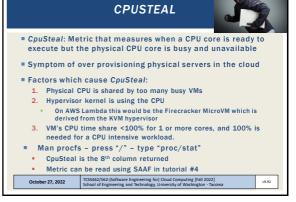




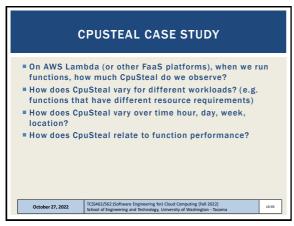








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