Exploring Auditing, Monitoring, and Logging Services

Questions	Notes
The bigger picture	• These services give you insight into how well your systems are performing and help you proactively find and resolve errrors

Question	• You can answer many questions using auditing , monitoring and logging services on aws
	  ○ Who signed in and made changes via the aws management console?
	  ○ what is the current load on this EC2 instance?
	  ○ what is the root cause of this application error?
	  ○ which execution path resulted this erroe?

CloudWatch	• is a collection of services ythat help you monitor and observe your cloud ressources
	• Collects metrics , logs and events
	• Detect anomalies in your environment
	• set alarms
	• Visualize Logs
	• services:
	  ○ Cloudwatch Alarms
	  ○ Cloudwatch Logs
	  ○ Cloudwatch Metrics
	  ○ CloudWatch Events

CloudTrail	• CloudTrail tracks user activity and API calls within your account • Log and retrain account activity • Track Activity through the Consolr , SDKs and CLI • Identify which user made changes • Detect unusual activity in your account
CloudTrail in the Real world	• Track the time a particular event occured in your account • You can Troubleshoot over the past 90 days using the CLoudTrail event history log to find the specific time an event occured on a per-region basis. You can Create a custom trail to extend past 90 days.

Résumé

- CloudWtach : You can use it to monitor your ECe instances and notify you when certain events occur
- CloudTrail: You cant trick with CloudTrail : username , event time and named , Ip address , acces key , region and erroe code.