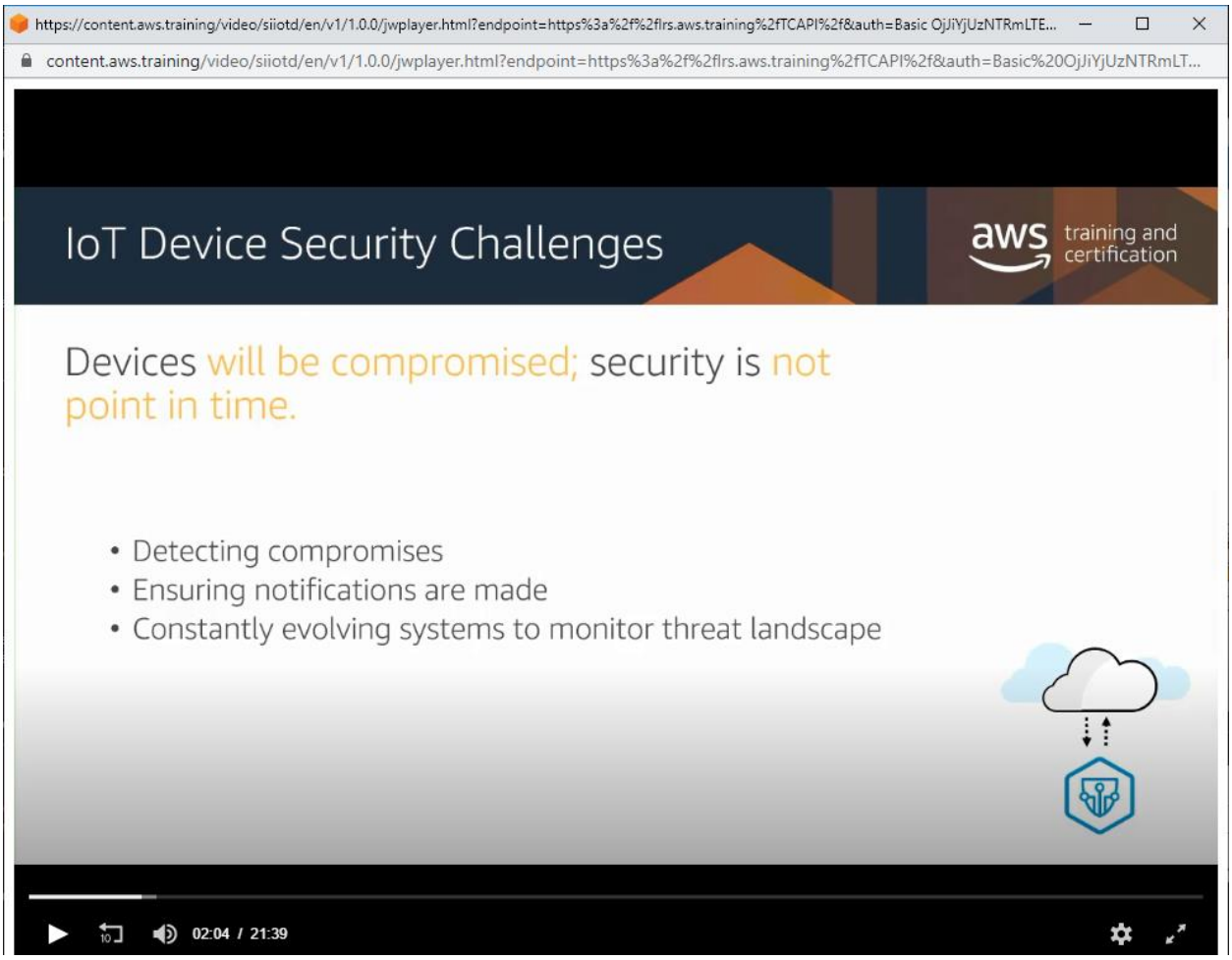

https://content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic OjJiYjUzNTRmLTE...
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
Ensuring Device Security
aws training and certification
01:25 / 21:39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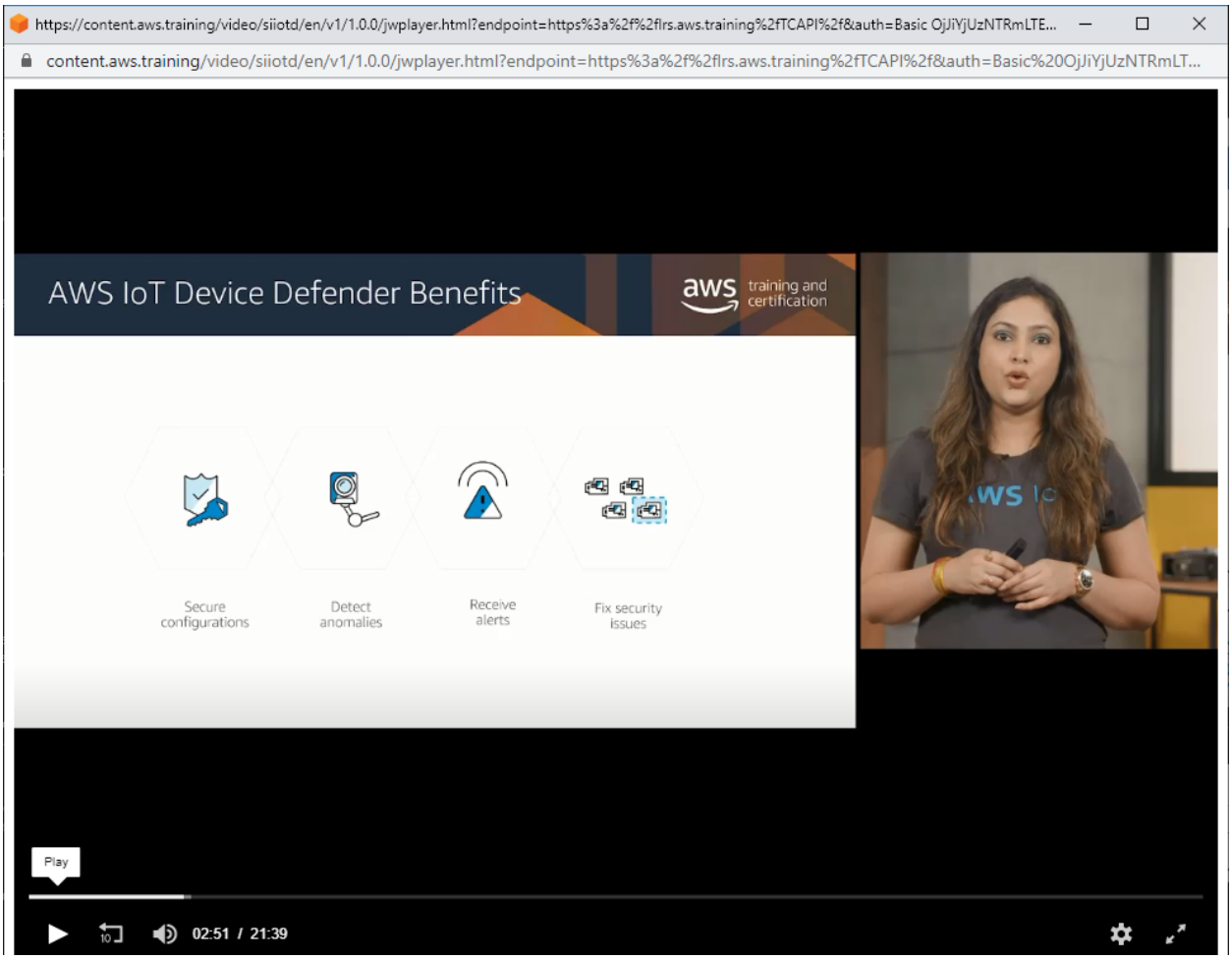
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
IoT Device Security Challenges
aws training and certification
Devices will be compromised; security is not point in time.
• Detecting compromises
• Ensuring notifications are made
• Constantly evolving systems to monitor threat landscape
02:04 / 21:39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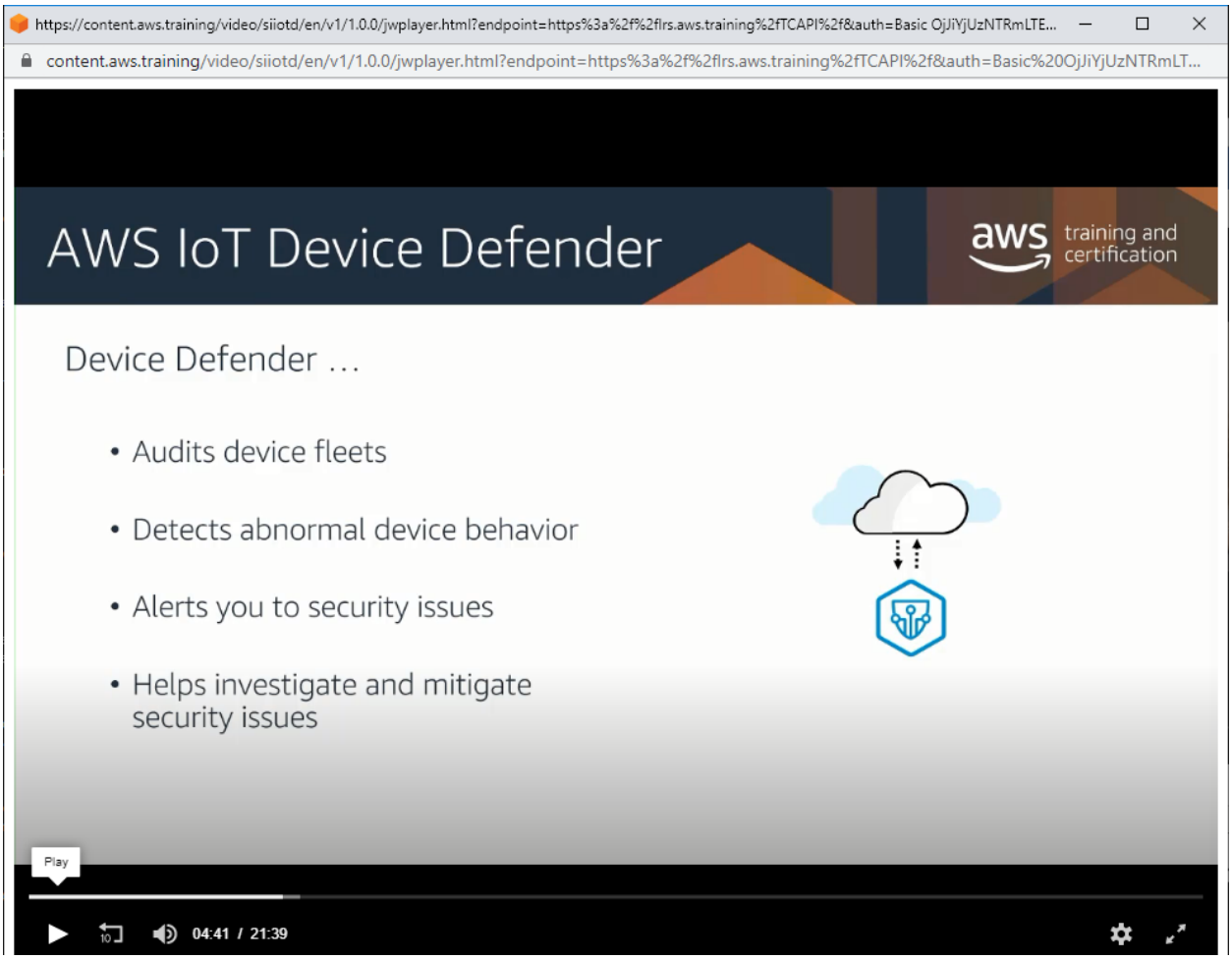
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
AWS IoT Device Defender Benefits
aws training and certification
Secure configurations
Detect anomalies
Receive alerts
Fix security issues
Play
02:51 / 21:39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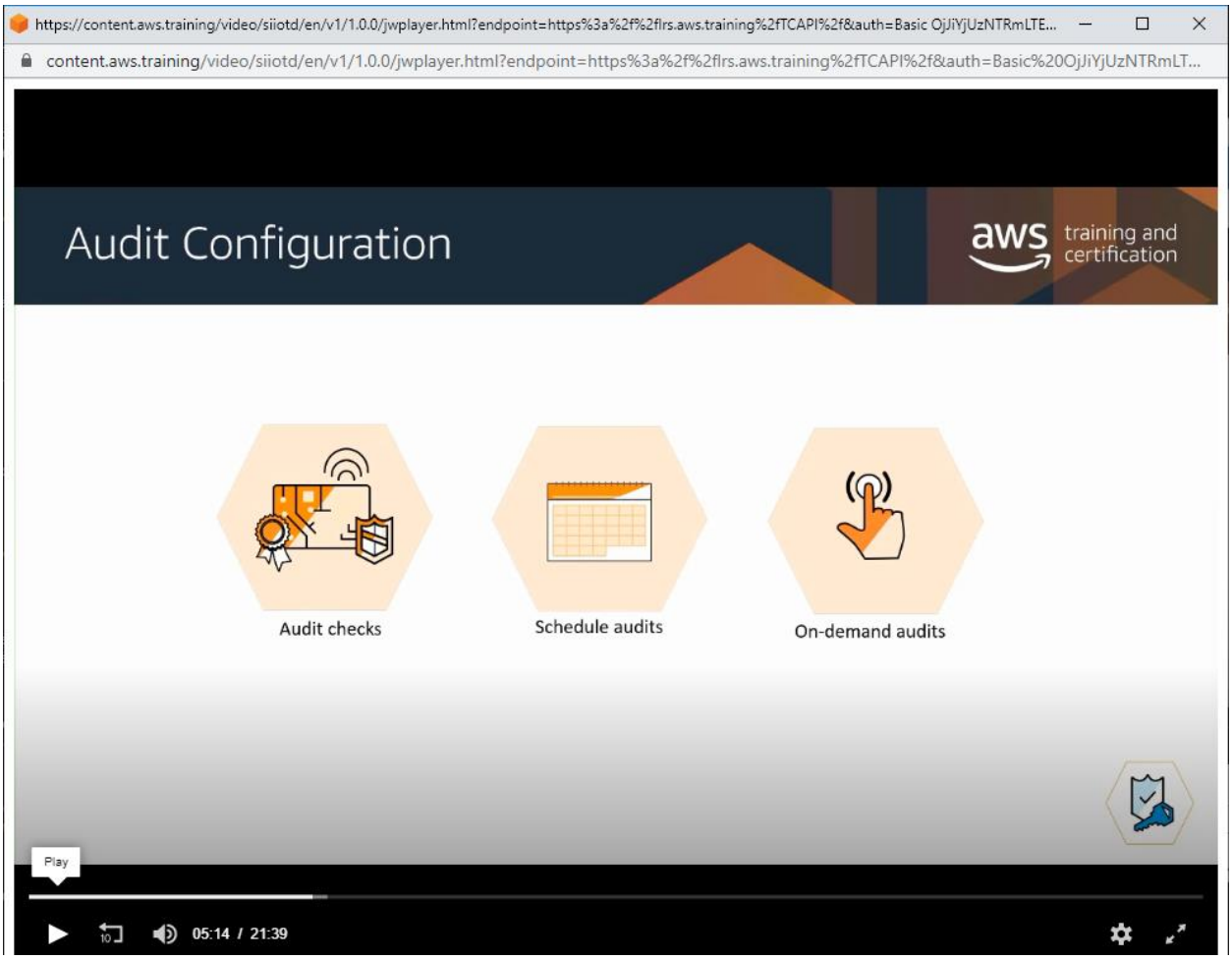
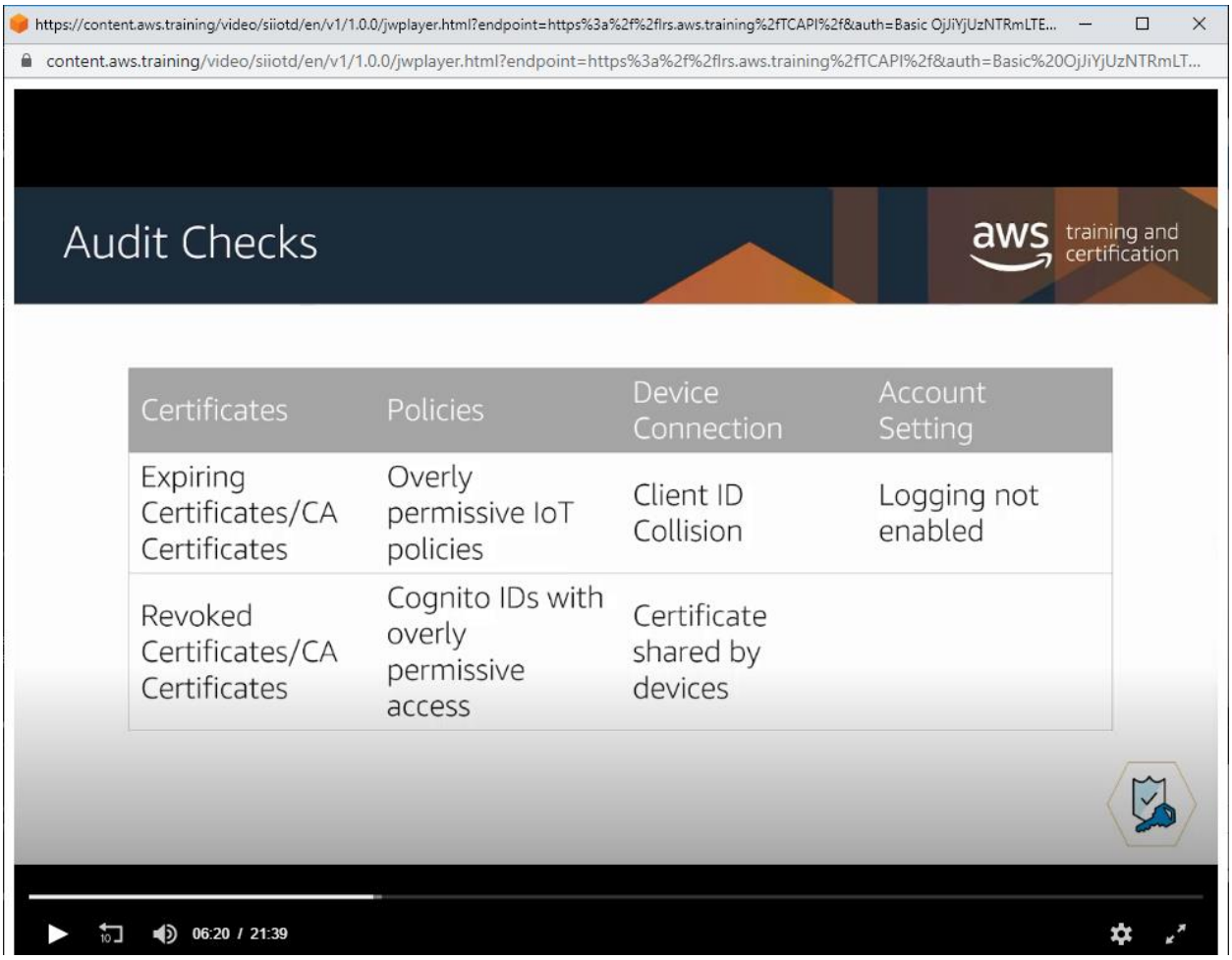
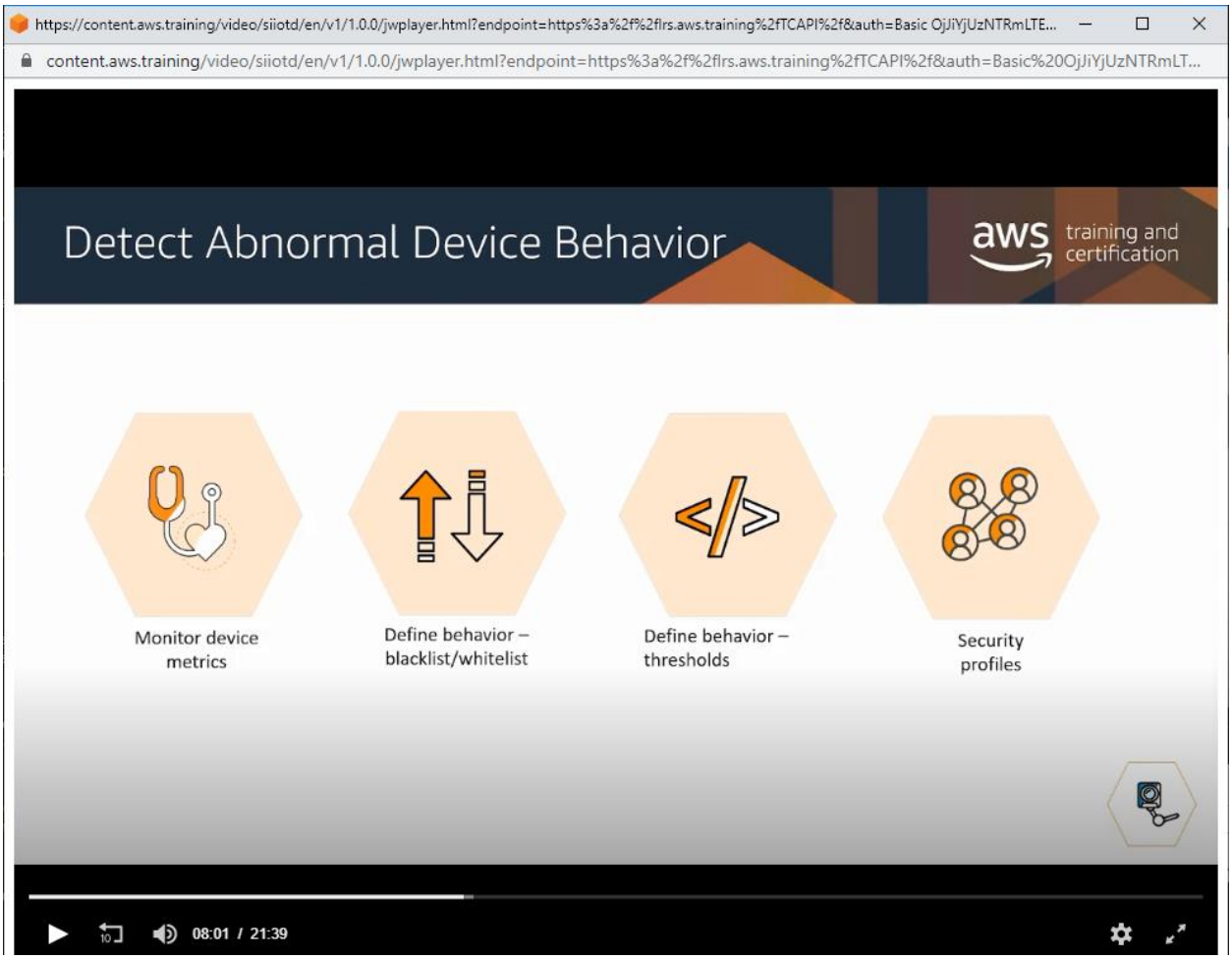
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
AWS IoT Device Defender
aws training and certification
Device Defender …
• Audits device fleets
• Detects abnormal device behavior
• Alerts you to security issues
• Helps investigate and mitigate security issues
Play
04:41 / 21:39


https://content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic OjJiYjUzNTRmLTE...
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
Audit Configuration
aws training and certification
Audit checks
Schedule audits
On-demand audits
Play
05:14 / 21:39


https://content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic OjJiYjUzNTRmLTE...
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
Audit Checks
aws training and certification
Certificates
Policies
Device Connection
Account Setting
Expiring Certificates/CA Certificates
Overly permissive IoT policies
Client ID Collision
Logging not enabled
Revoked Certificates/CA Certificates
Cognito IDs with overly permissive access
Certificate shared by devices
06:20 / 21:39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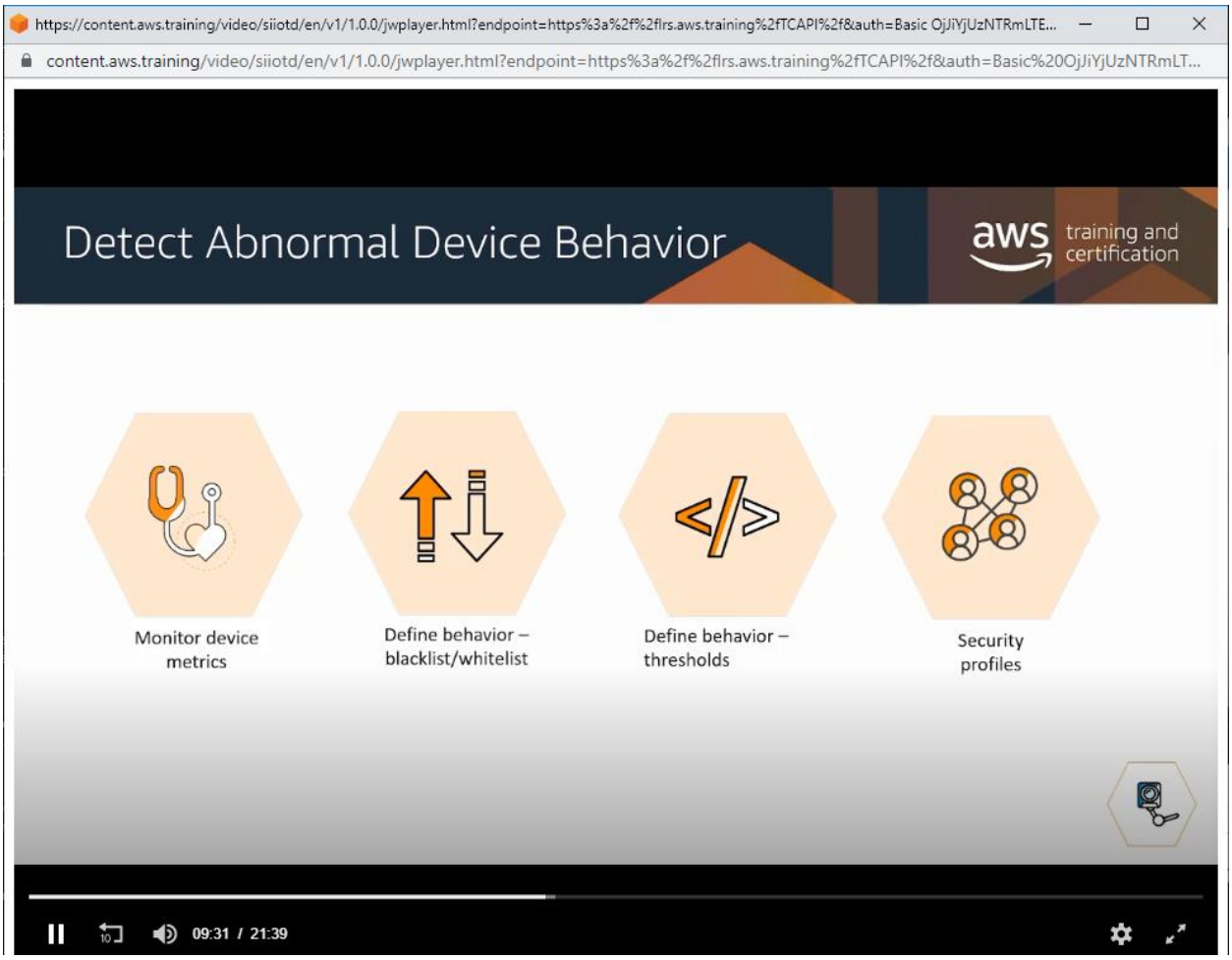
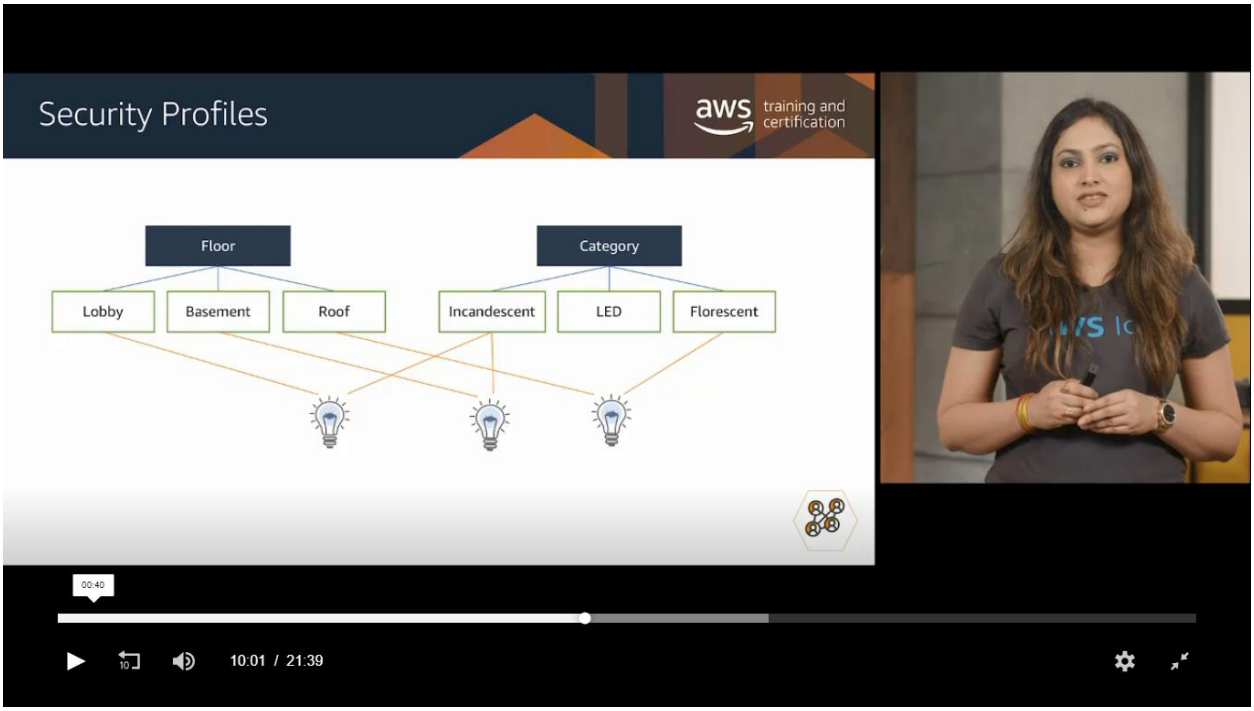
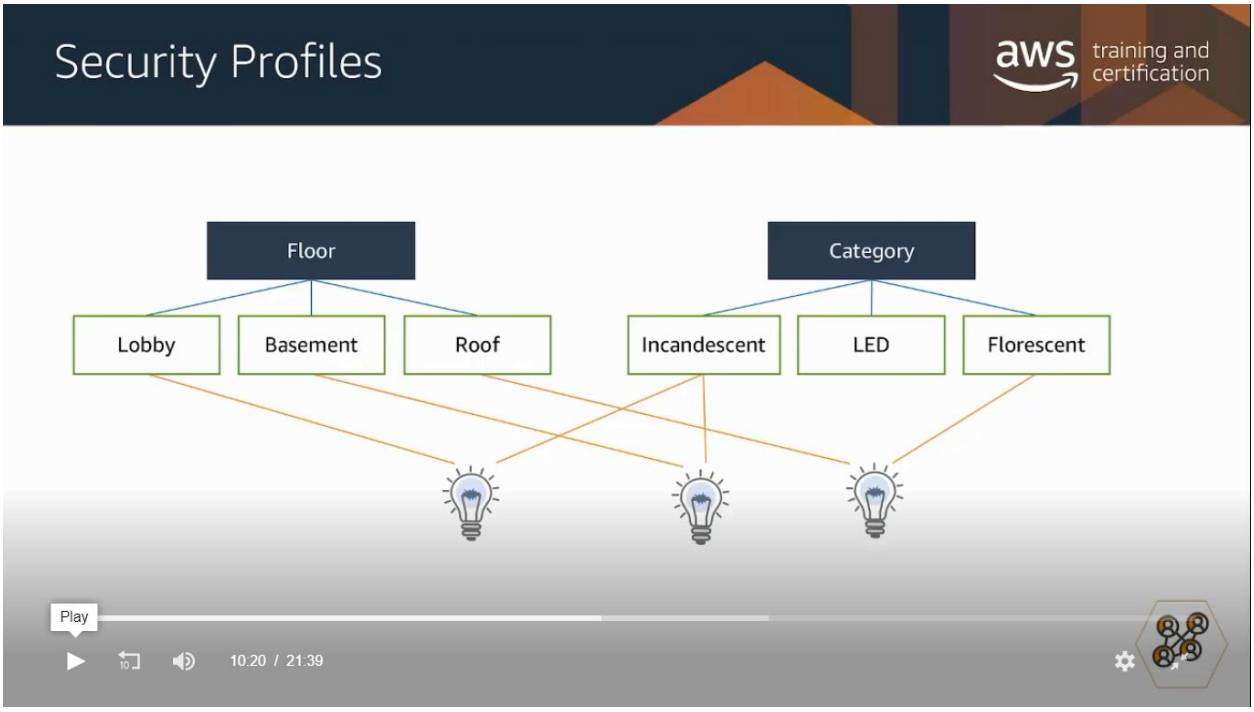
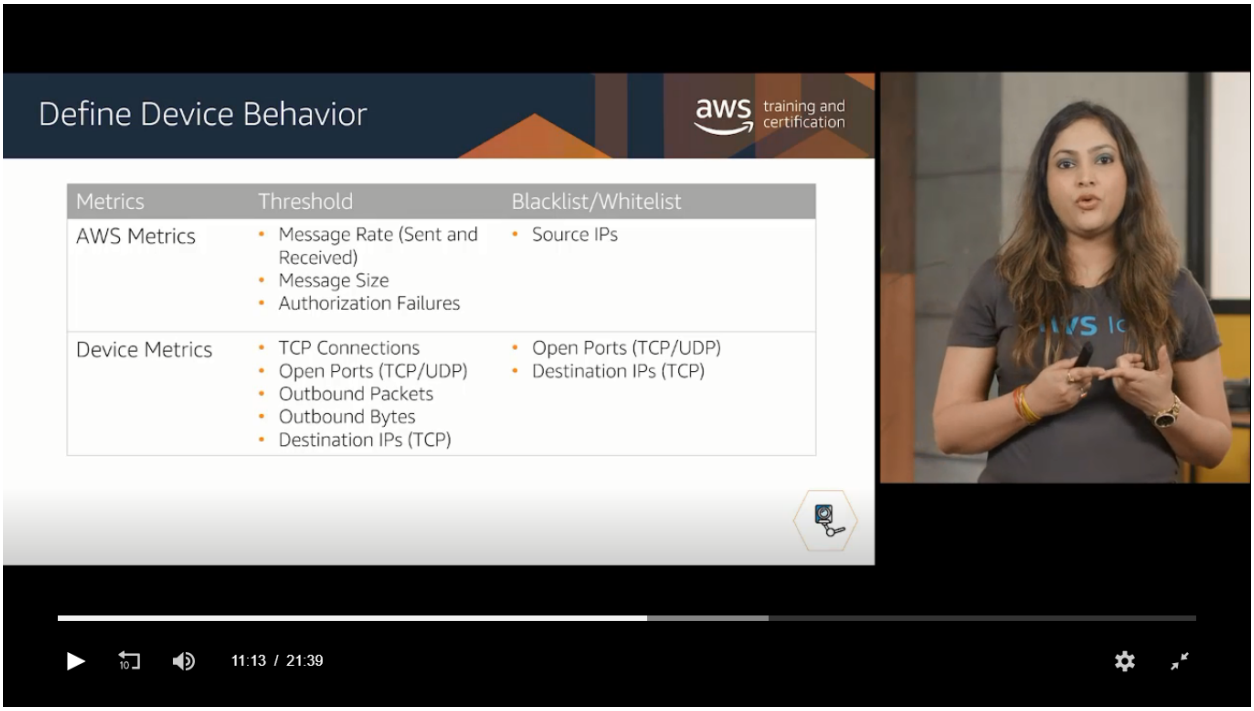
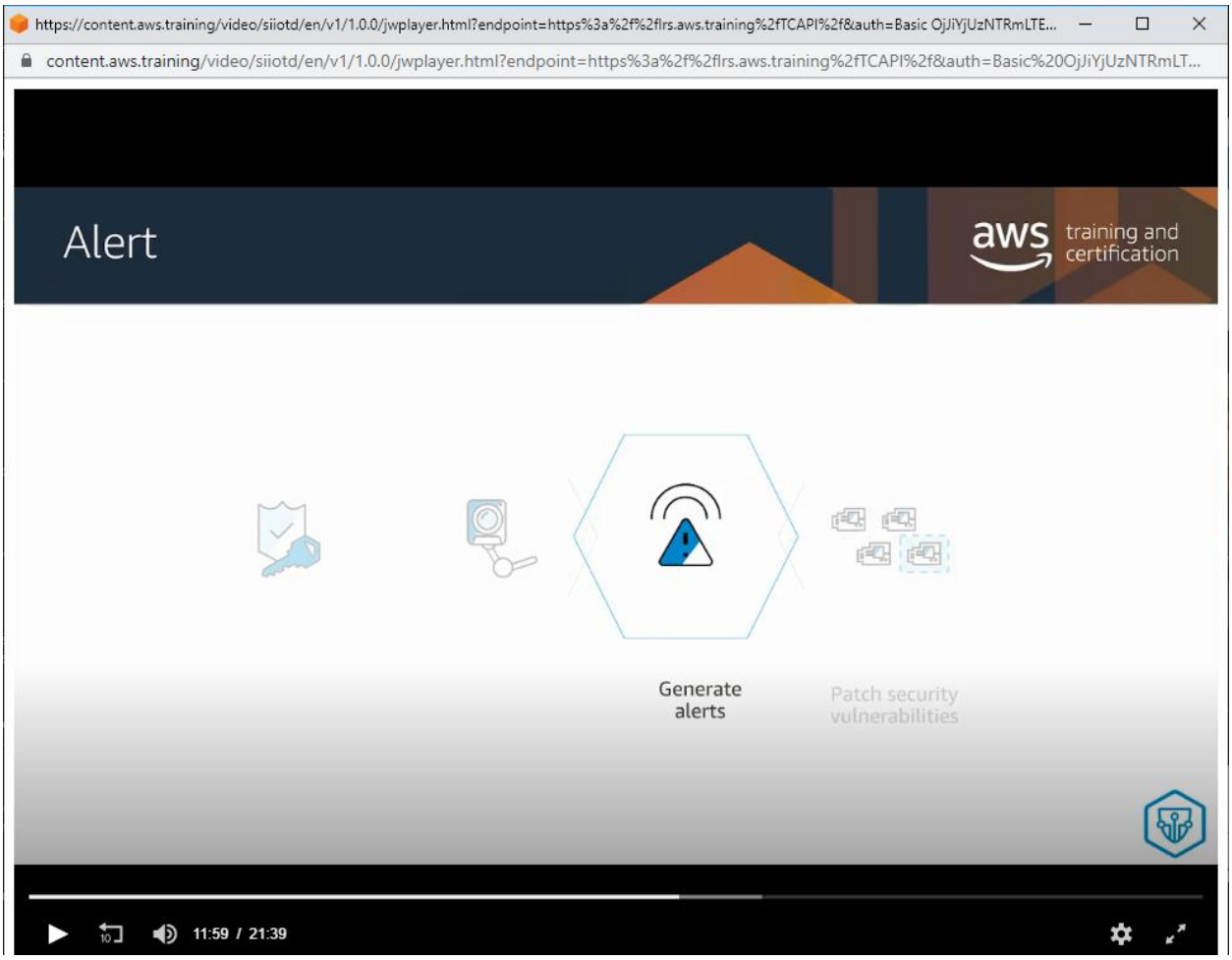
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
Detect Abnormal Device Behavior
aws training and certification
Monitor device metrics
Define behavior – blacklist/whitelist
Define behavior – thresholds
Security profiles
08:01 / 21:39

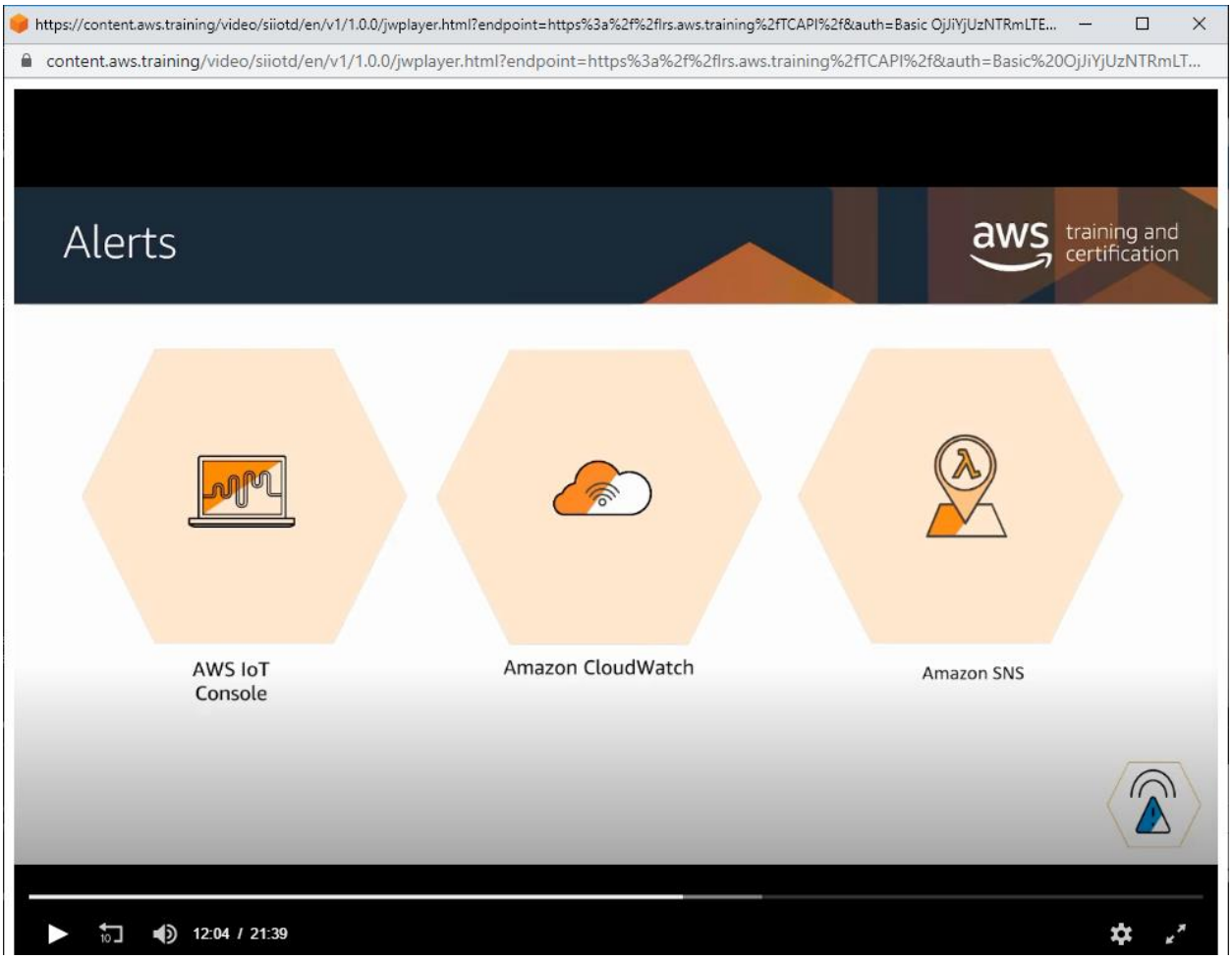

https://content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic OjJiYjUzNTRmLTE...
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
Detect Abnormal Device Behavior
aws training and certification
Monitor device metrics
Define behavior – blacklist/whitelist
Define behavior – thresholds
Security profiles
09:31 / 21:39


Security Profiles
aws training and certification
Floor
Lobby
Basement
Roof
Category
Incandescent
LED
Florescent
00:40
10:01 / 21:39

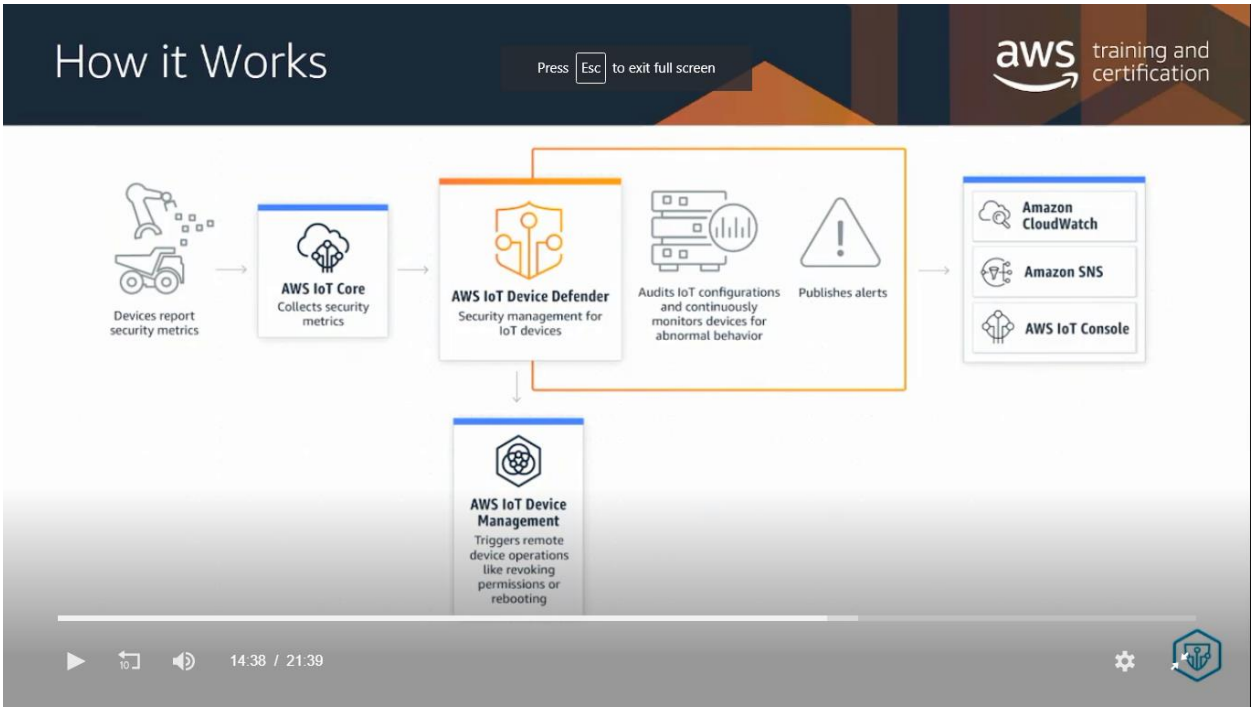

Security Profiles
aws training and certification
Floor
Lobby
Basement
Roof
Category
Incandescent
LED
Florescent
Play
10:20 / 21:39

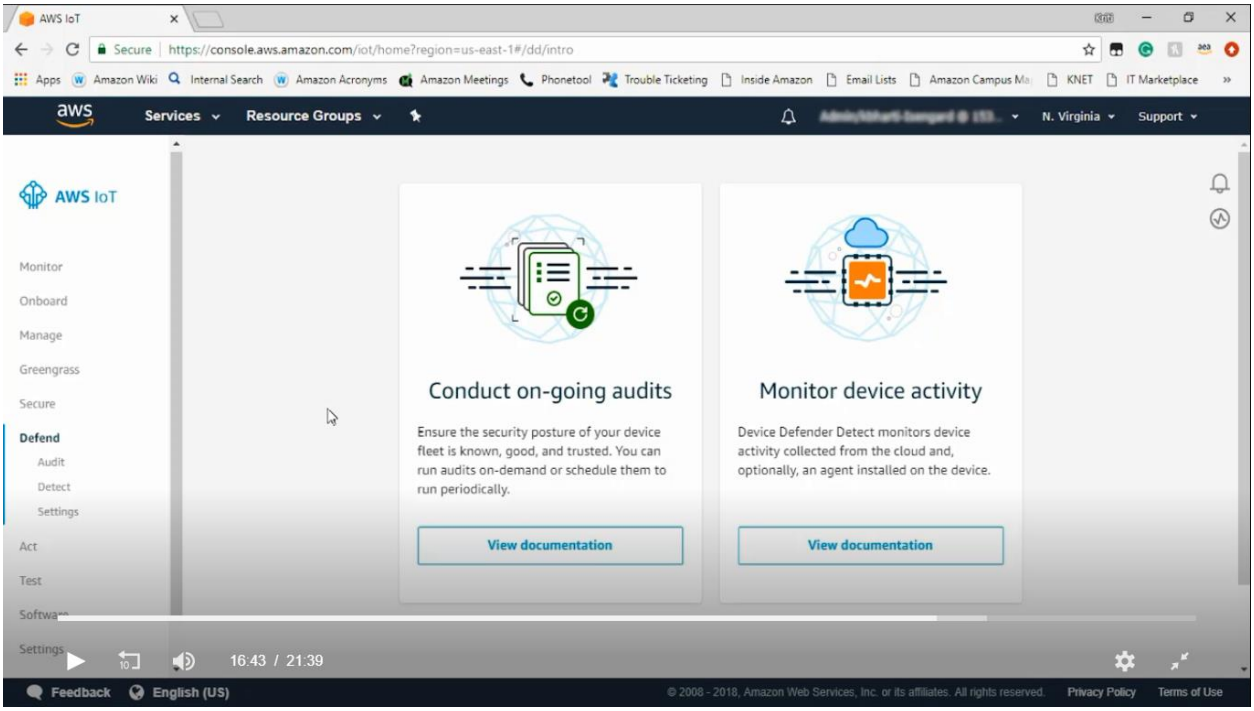

Define Device Behavior
aws training and certification
Metrics
Threshold
Blacklist/Whitelist
AWS Metrics
Message Rate (Sent and Received)
Message Size
Authorization Failures
Source IPs
Device Metrics
TCP Connections
Open Ports (TCP/UDP)
Outbound Packets
Outbound Bytes
Destination IPs (TCP)
Open Ports (TCP/UDP)
Destination IPs (TCP)
11:13 / 21:39


https://content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic OjJiYjUzNTRmLTE...
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
Alert
aws training and certification
Generate alerts
Patch security vulnerabilities
11:59 / 21:39


https://content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic OjJiYjUzNTRmLTE...
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
Alerts
aws training and certification
AWS IoT Console
Amazon CloudWatch
Amazon SNS
12:04 / 21:39


Investigate and Mitigate
aws training and certification
Contextual information
Historical information
Recommendation
AWS IoT Device Management – Device Jobs
13:16 / 21:39


How it Works
Press Esc to exit full screen
aws training and certification
Devices report security metrics
AWS IoT Core
Collects security metrics
AWS IoT Device Defender
Security management for IoT devices
Audits IoT configurations and continuously monitors devices for abnormal behavior
Publishes alerts
Amazon CloudWatch
Amazon SNS
AWS IoT Console
AWS IoT Device Management
Triggers remote device operations like revoking permissions or rebooting
14:38 / 21:39


AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/intro
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
aws Services Resource Groups N. Virginia Support
AWS IoT
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Detect
Settings
Act
Test
Softwa
Settings
Conduct on-going audits
Ensure the security posture of your device fleet is known, good, and trusted. You can run audits on-demand or schedule them to run periodically.
View documentation
Monitor device activity
Device Defender Detect monitors device activity collected from the cloud and, optionally, an agent installed on the device.
View documentation
16:43 / 21:39
Feedback English (US)
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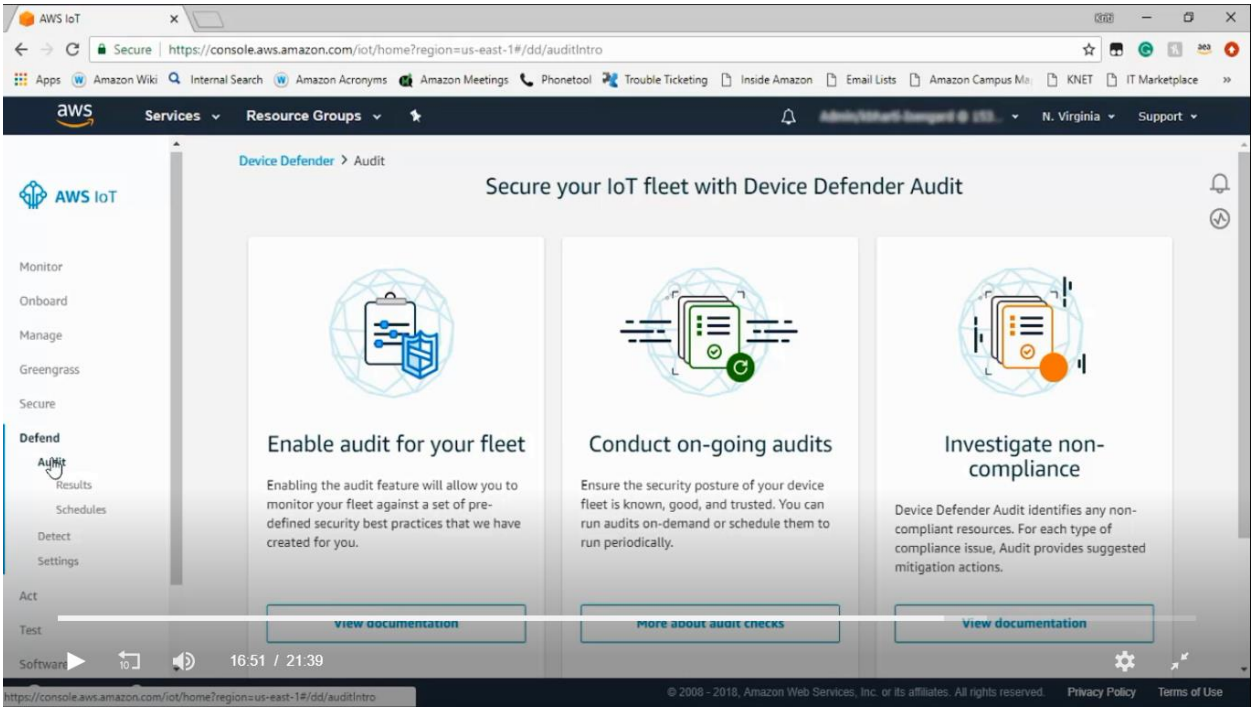
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/auditIntro
Services
Resource Groups
N. Virginia
Support
Device Defender > Audit
Secure your IoT fleet with Device Defender Audit
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Results
Schedules
Detect
Settings
Act
Test
Enable audit for your fleet
Enabling the audit feature will allow you to monitor your fleet against a set of pre-defined security best practices that we have created for you.
View documentation
Conduct on-going audits
Ensure the security posture of your device fleet is known, good, and trusted. You can run audits on-demand or schedule them to run periodically.
More about audit checks
Investigate non-compliance
Device Defender Audit identifies any non-compliant resources. For each type of compliance issue, Audit provides suggested mitigation actions.
View documentation
16:51 / 21:39
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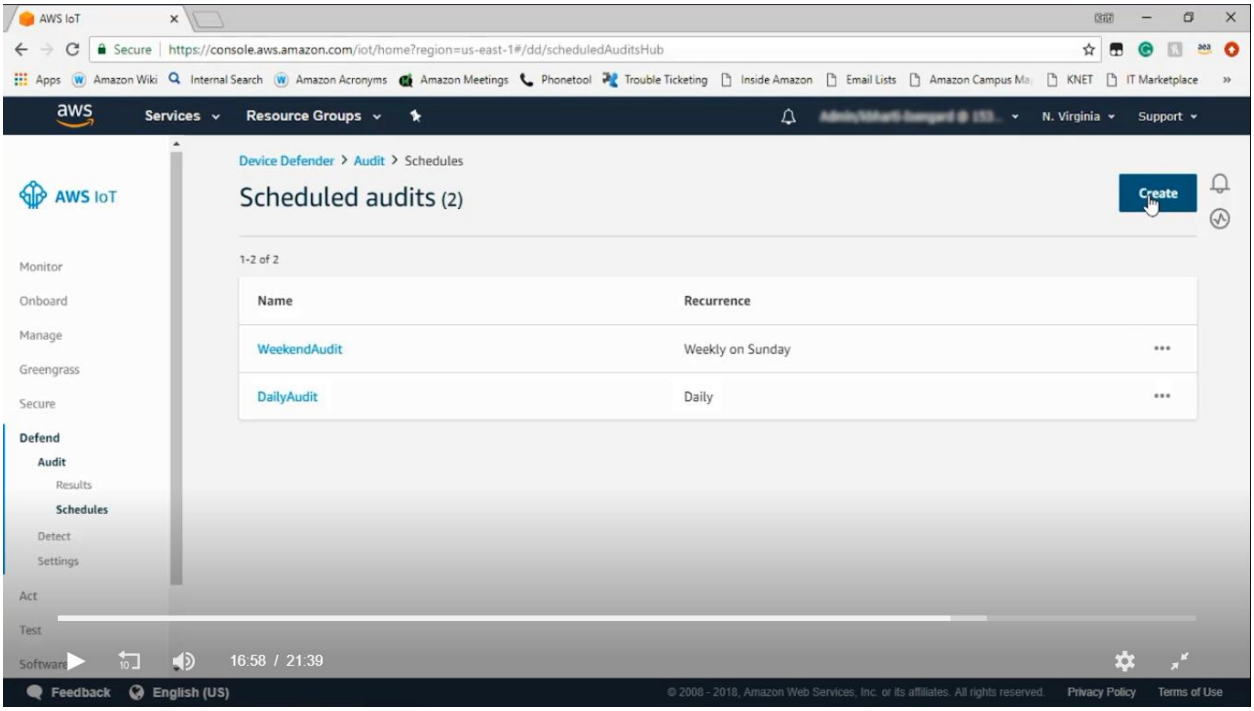
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/scheduledAuditsHub
Services
Resource Groups
N. Virginia
Support
Device Defender > Audit > Schedules
Scheduled audits (2)
Create
1-2 of 2
Name
Recurrence
WeekendAudit
Weekly on Sunday
DailyAudit
Daily
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Results
Schedules
Detect
Settings
Act
Test
16:58 / 21:39
Feedback
English (US)
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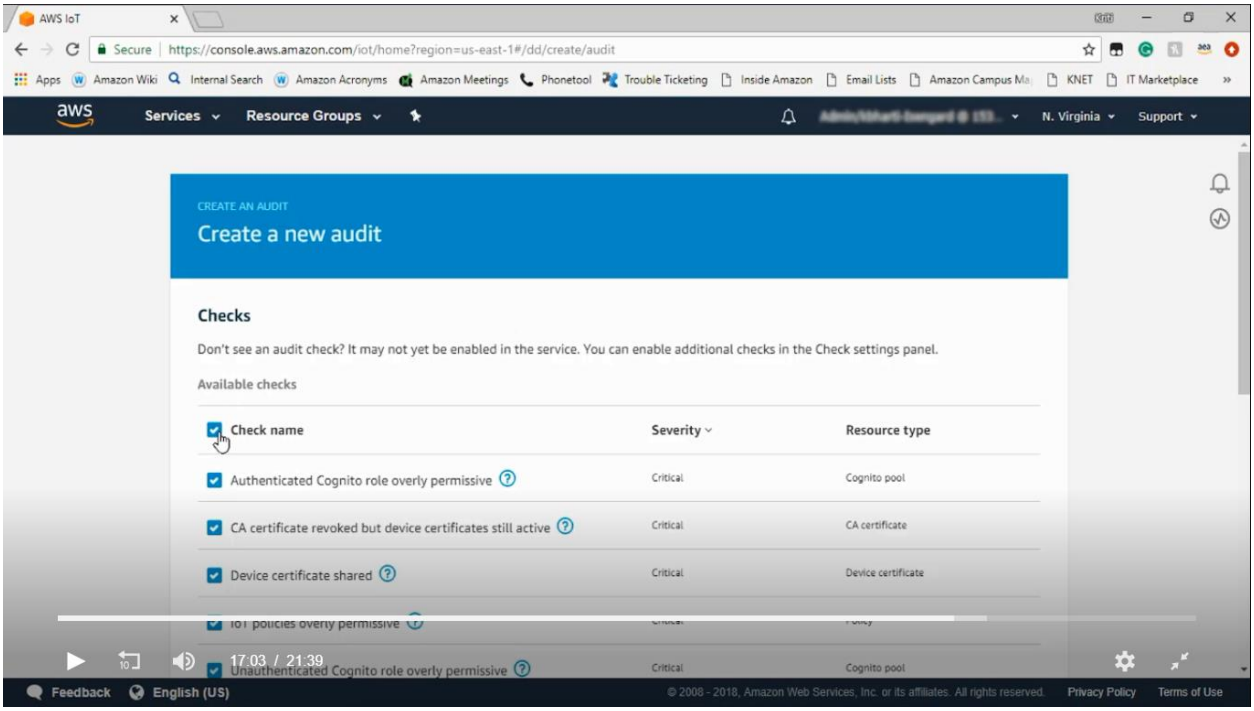
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/create/audit
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
aws Services Resource Groups N. Virginia Support
CREATE AN AUDIT
Create a new audit
Checks
Don't see an audit check? It may not yet be enabled in the service. You can enable additional checks in the Check settings panel.
Available checks
Check name
Severity
Resource type
Authenticated Cognito role overly permissive
Critical
Cognito pool
CA certificate revoked but device certificates still active
Critical
CA certificate
Device certificate shared
Critical
Device certificate
IoT policies overly permissive
Unauthenticated Cognito role overly permissive
Critical
Cognito pool
17:03 / 21:39
Feedback English (US)
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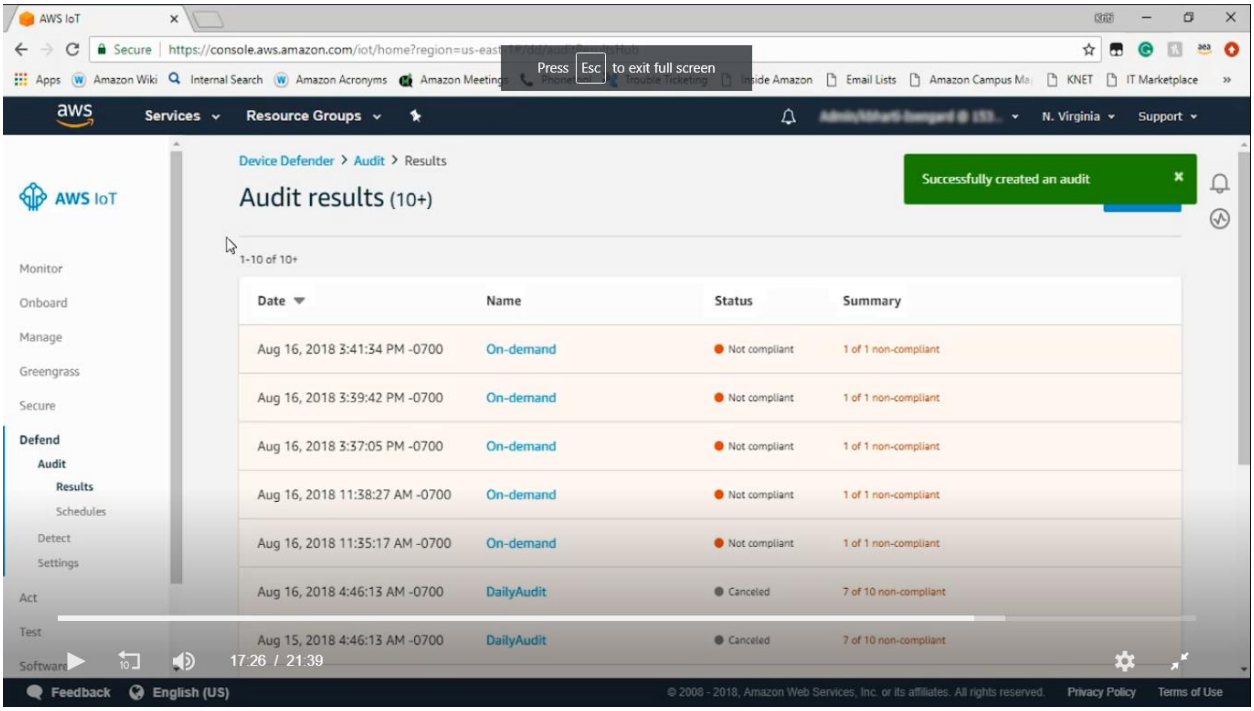
Press Esc to exit full screen
Services
Resource Groups
N. Virginia
Support
Device Defender > Audit > Results
Audit results (10+)
Successfully created an audit
1-10 of 10+
Date
Name
Status
Summary
Aug 16, 2018 3:41:34 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 3:39:42 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 3:37:05 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 11:38:27 AM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 11:35:17 AM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 4:46:13 AM -0700 DailyAudit Canceled 7 of 10 non-compliant
Aug 15, 2018 4:46:13 AM -0700 DailyAudit Canceled 7 of 10 non-compliant
17:26 / 21:39
Feedback
English (US)
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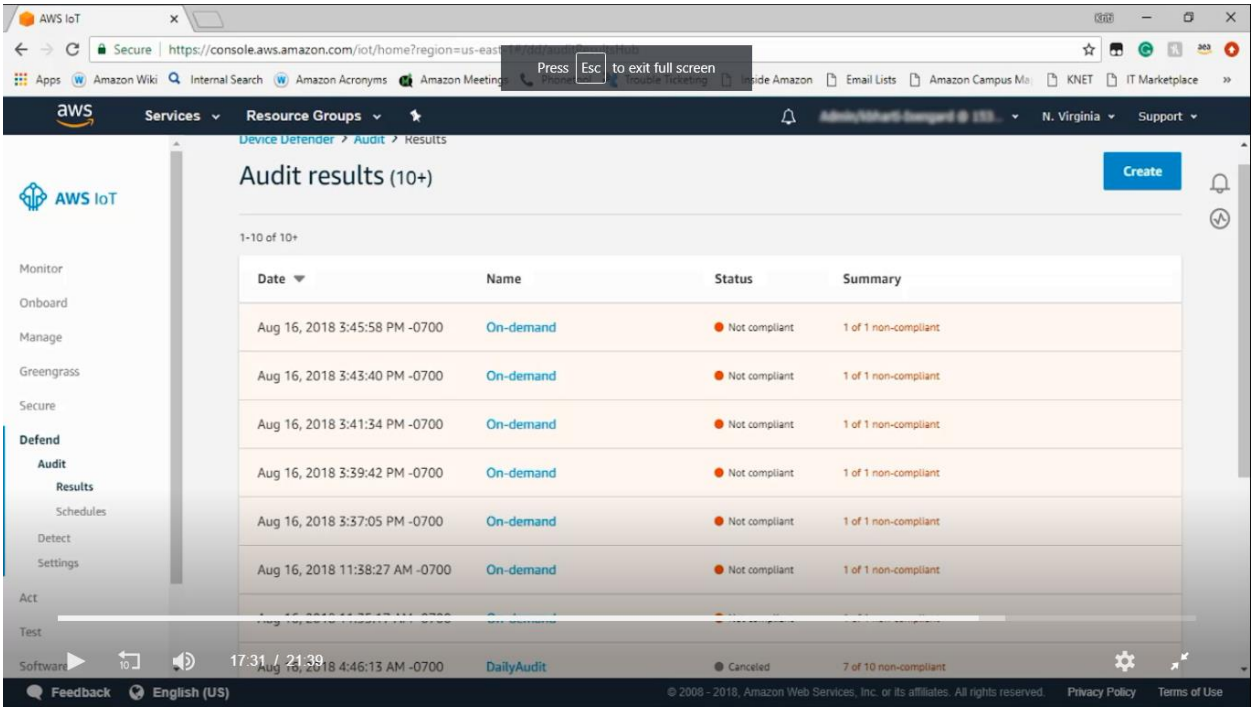
Press Esc to exit full screen
Services
Resource Groups
N. Virginia
Support
Audit results (10+)
Create
1-10 of 10+
Date
Name
Status
Summary
Aug 16, 2018 3:45:58 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 3:43:40 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 3:41:34 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 3:39:42 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 3:37:05 PM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 11:38:27 AM -0700 On-demand Not compliant 1 of 1 non-compliant
Aug 16, 2018 4:46:13 AM -0700 DailyAudit Canceled 7 of 10 non-compliant
17:31 / 21:39
Feedback
English (US)
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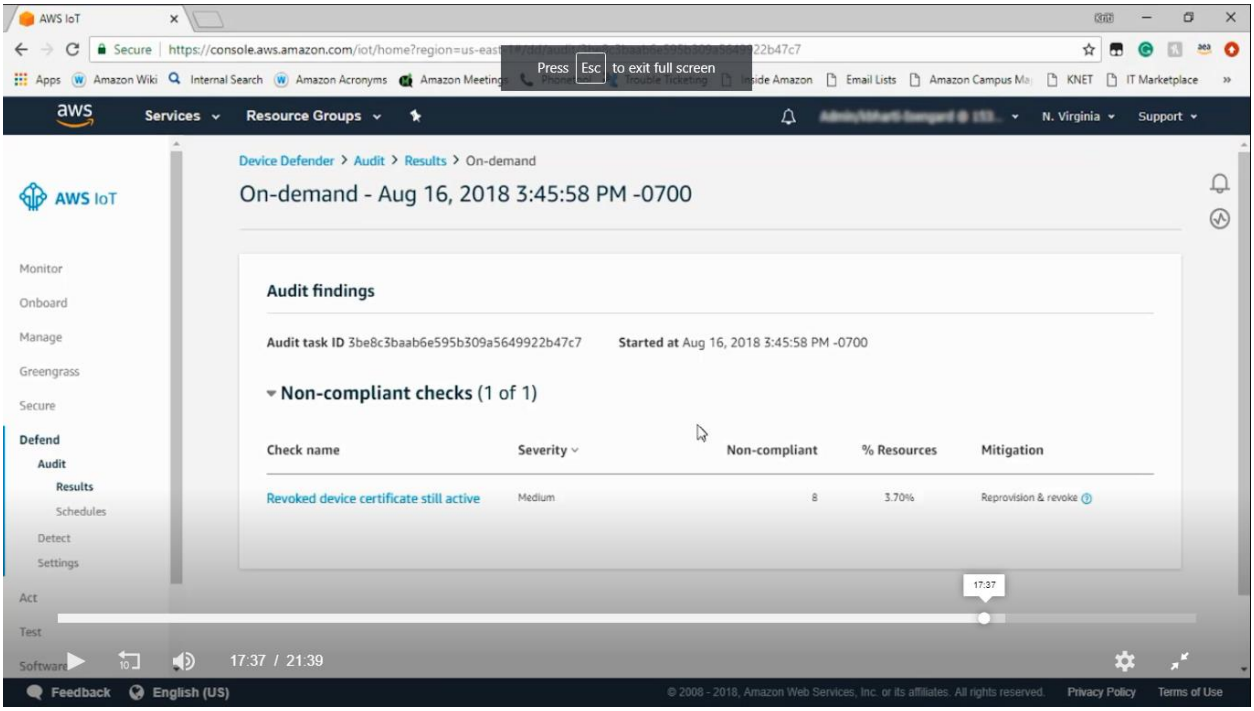
AWS IoT
Press Esc to exit full screen
Services
Resource Groups
N. Virginia
Support
Device Defender > Audit > Results > On-demand
AWS IoT
On-demand - Aug 16, 2018 3:45:58 PM -0700
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Results
Schedules
Detect
Settings
Act
Test
Audit findings
Audit task ID 3be8c3baab6e595b309a5649922b47c7
Started at Aug 16, 2018 3:45:58 PM -0700
Non-compliant checks (1 of 1)
Check name
Severity
Non-compliant
% Resources
Mitigation
Revoked device certificate still active
Medium
8
3.70%
Reprovision & revoke
17:37
17:37 / 21:39
Feedback
English (US)
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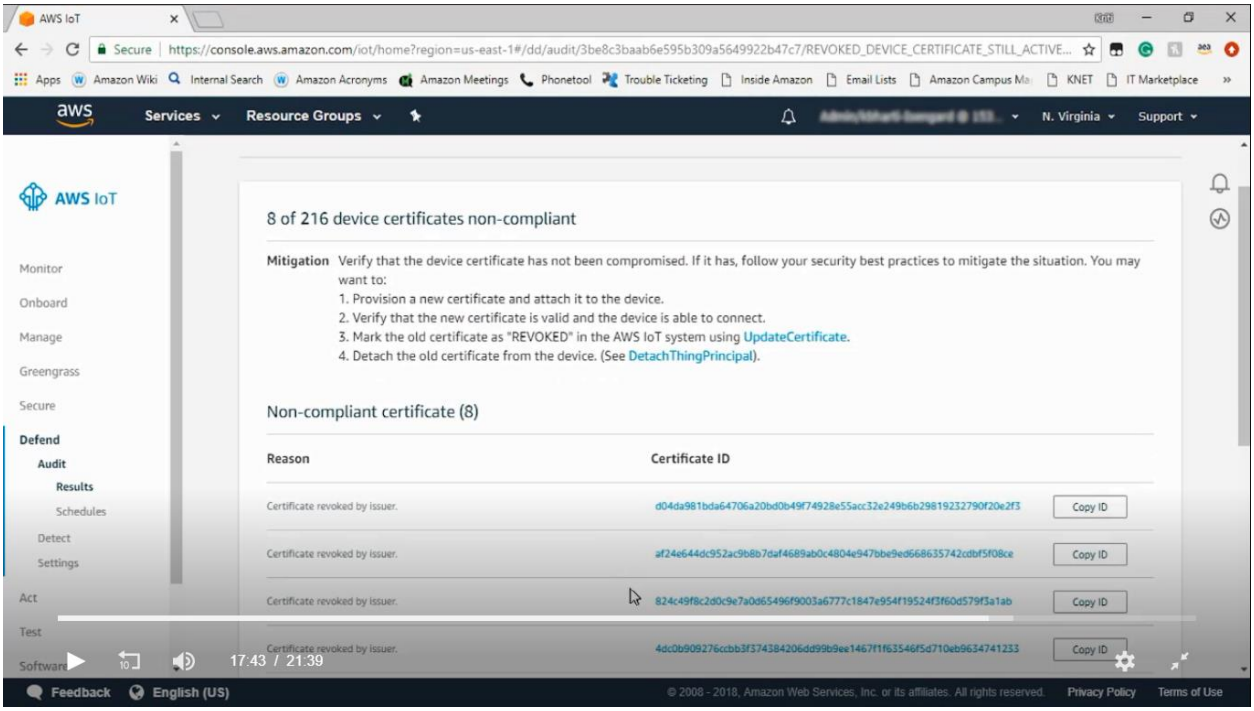
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/audit/3be8c3baab6e595b309a5649922b47c7/REVOKED_DEVICE_CERTIFICATE_STILL_ACTIVE...
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
aws Services Resource Groups N. Virginia Support
AWS IoT
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Results
Schedules
Detect
Settings
Act
Test
Softwar
8 of 216 device certificates non-compliant
Mitigation Verify that the device certificate has not been compromised. If it has, follow your security best practices to mitigate the situation. You may want to:
1. Provision a new certificate and attach it to the device.
2. Verify that the new certificate is valid and the device is able to connect.
3. Mark the old certificate as "REVOKED" in the AWS IoT system using UpdateCertificate.
4. Detach the old certificate from the device. (See DetachThingPrincipal).
Non-compliant certificate (8)
Reason
Certificate ID
Certificate revoked by issuer.
d04da981bda64706a20bd0b49f74928e55acc32e249b6b29819232790f20e2f3
Copy ID
Certificate revoked by issuer.
af24e644dc952ac9b8b7daf4689ab0c4804e947bbe9ed668635742cdbf5f08ce
Copy ID
Certificate revoked by issuer.
824c49f8c2d0c9e7a0d65496f9003a6777c1847e954f19524f3f60d579f3a1ab
Copy ID
Certificate revoked by issuer.
4dc0b909276ccbb3f374384206dd99b9ee1467f1f63546f5d710eb9634741233
Copy ID
17:43 / 21:39
Feedback English (US)
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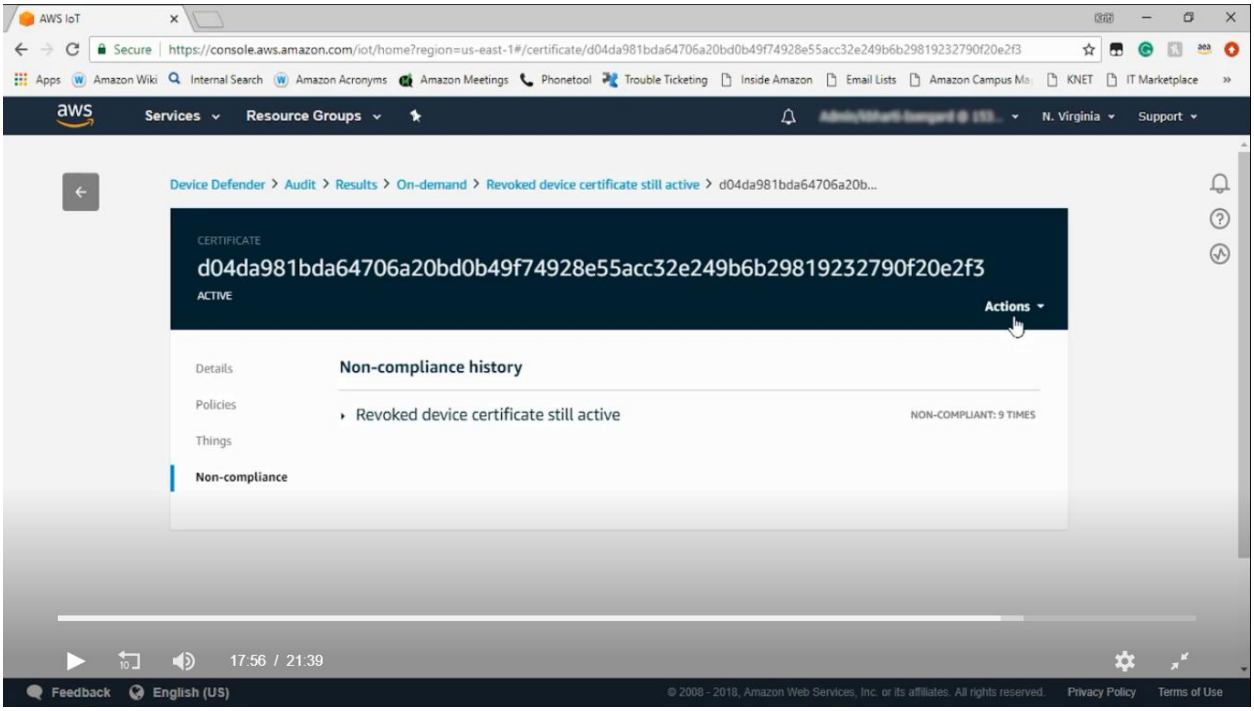
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/certificate/d04da981bda64706a20bd0b49f74928e55acc32e249b6b29819232790f20e2f3
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
aws Services Resource Groups N. Virginia Support
Device Defender > Audit > Results > On-demand > Revoked device certificate still active > d04da981bda64706a20b...
CERTIFICATE
d04da981bda64706a20bd0b49f74928e55acc32e249b6b29819232790f20e2f3
ACTIVE
Actions
Details
Policies
Things
Non-compliance
Non-compliance history
Revoked device certificate still active
NON-COMPLIANT: 9 TIMES
17:56 / 21:39
Feedback English (US)
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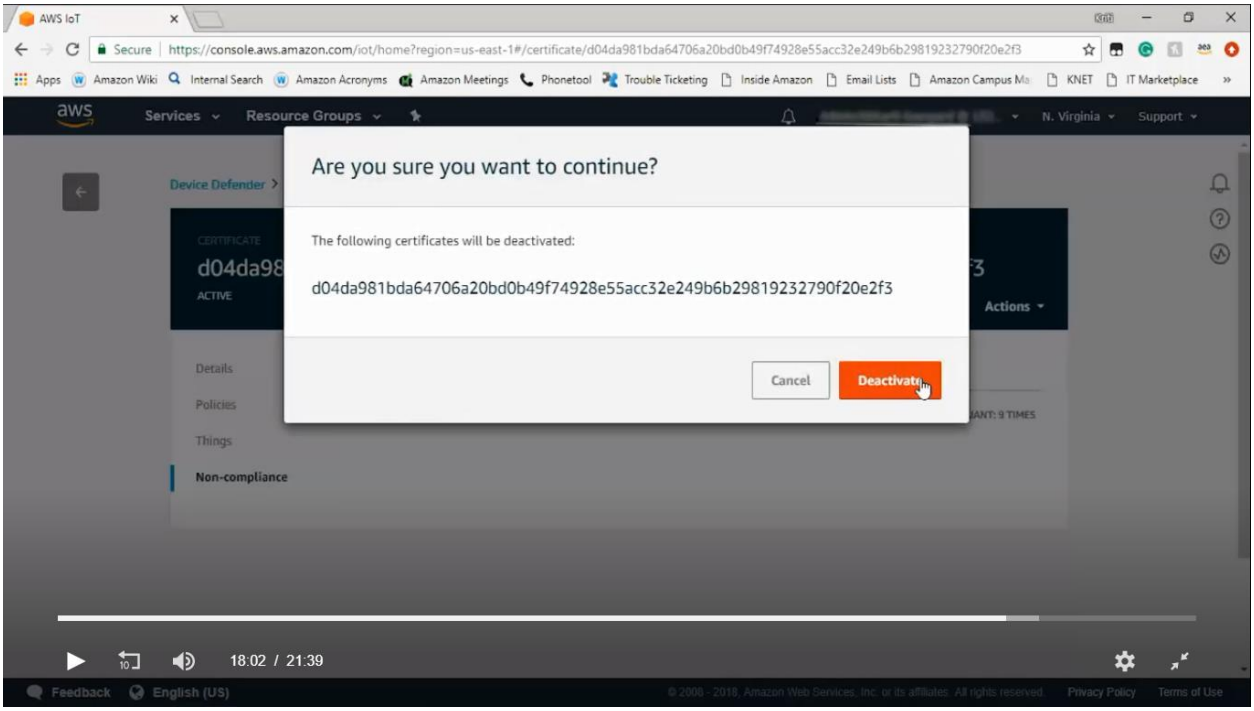
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/certificate/d04da981bda64706a20bd0b49f74928e55acc32e249b6b29819232790f20e2f3
Apps
Amazon Wiki
Internal Search
Amazon Acronyms
Amazon Meetings
Phonetool
Trouble Ticketing
Inside Amazon
Email Lists
Amazon Campus Ma
KNET
IT Marketplace
aws
Services
Resource Groups
N. Virginia
Support
Device Defender
CERTIFICATE
d04da98
ACTIVE
Actions
Details
Policies
Things
Non-compliance
Are you sure you want to continue?
The following certificates will be deactivated:
d04da981bda64706a20bd0b49f74928e55acc32e249b6b29819232790f20e2f3
Cancel
Deactivate
18:02 / 21:39
Feedback
English (US)
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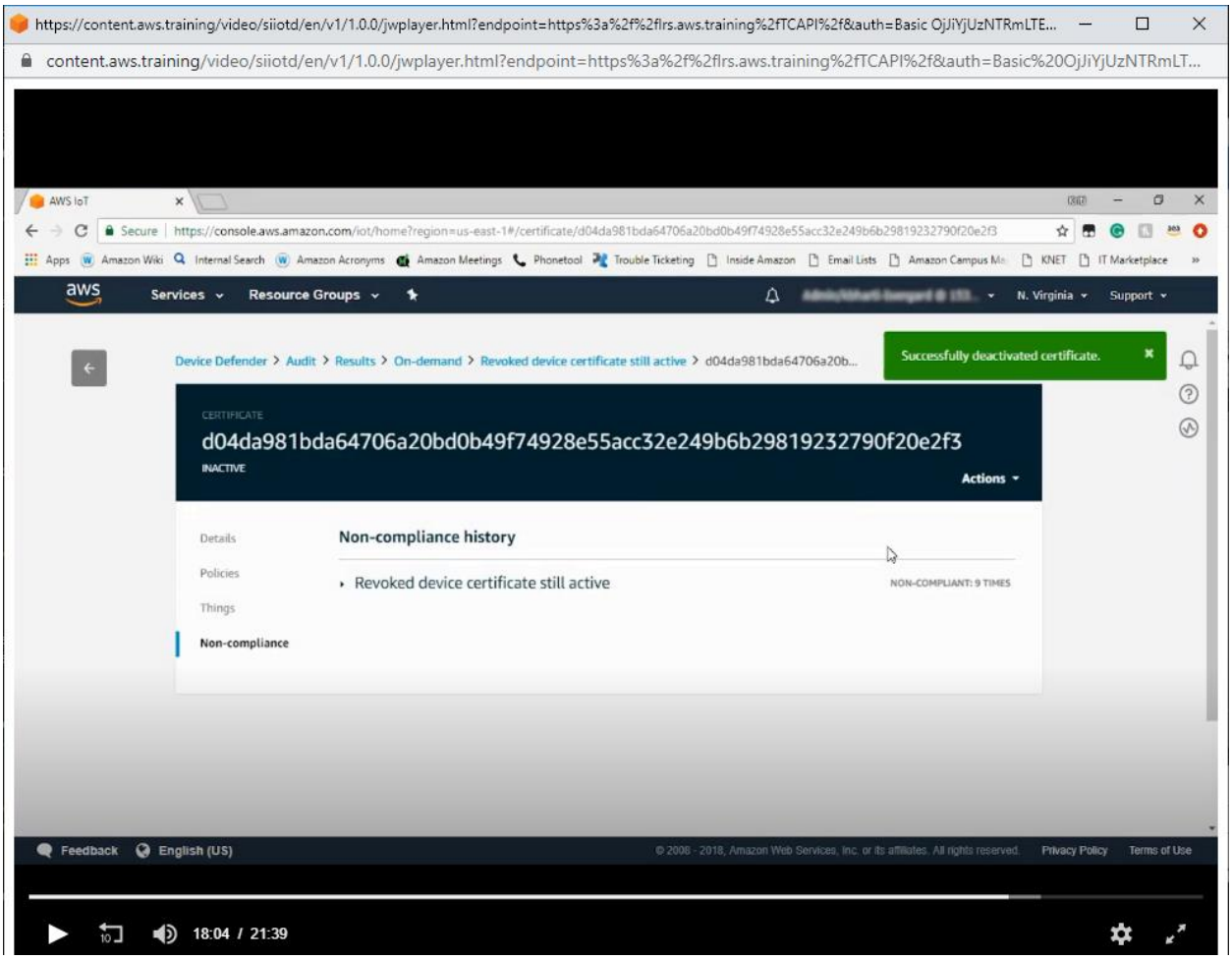
https://content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic OjJiYjUzNTRmLTE...
content.aws.training/video/siiotd/en/v1/1.0.0/jwplayer.html?endpoint=https%3a%2f%2flrs.aws.training%2fTCAPI%2f&auth=Basic%20OjJiYjUzNTRmLT...
AWS IoT
Secure https://console.aws.amazon.com/iot/home?region=us-east-1#/certificate/d04da981bda64706a20bd0b49f74928e55acc32e249b6b29819232790f20e2f3
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aws
Services
Resource Groups
N. Virginia
Support
Device Defender > Audit > Results > On-demand > Revoked device certificate still active > d04da981bda64706a20b...
Successfully deactivated certificate.
CERTIFICATE
d04da981bda64706a20bd0b49f74928e55acc32e249b6b29819232790f20e2f3
INACTIVE
Actions
Details
Policies
Things
Non-compliance
Non-compliance history
Revoked device certificate still active
NON-COMPLIANT: 9 TIMES
Feedback
English (US)
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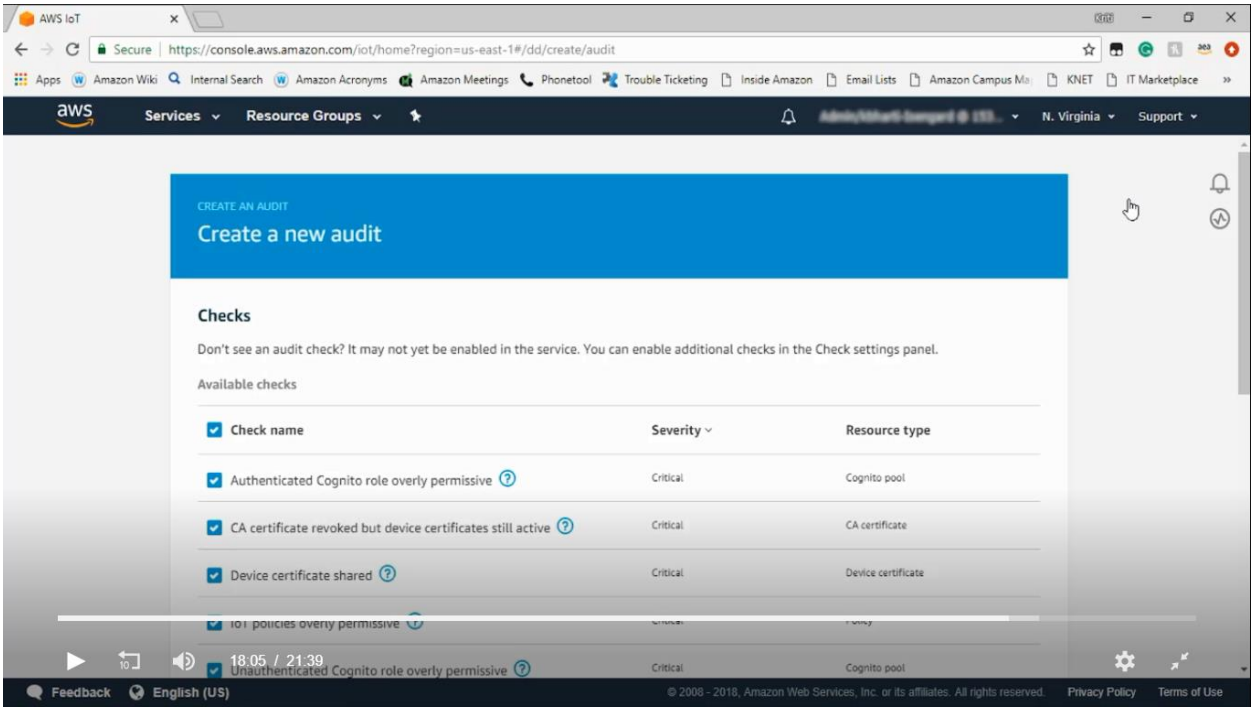
18:04 / 21:39


AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/create/audit
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aws
Services
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N. Virginia
Support
CREATE AN AUDIT
Create a new audit
Checks
Don't see an audit check? It may not yet be enabled in the service. You can enable additional checks in the Check settings panel.
Available checks
Check name
Severity
Resource type
Authenticated Cognito role overly permissive
Critical
Cognito pool
CA certificate revoked but device certificates still active
Critical
CA certificate
Device certificate shared
Critical
Device certificate
IoT policies overly permissive
Unauthenticated Cognito role overly permissive
Critical
Cognito pool
18:05 / 21:39
Feedback
English (US)
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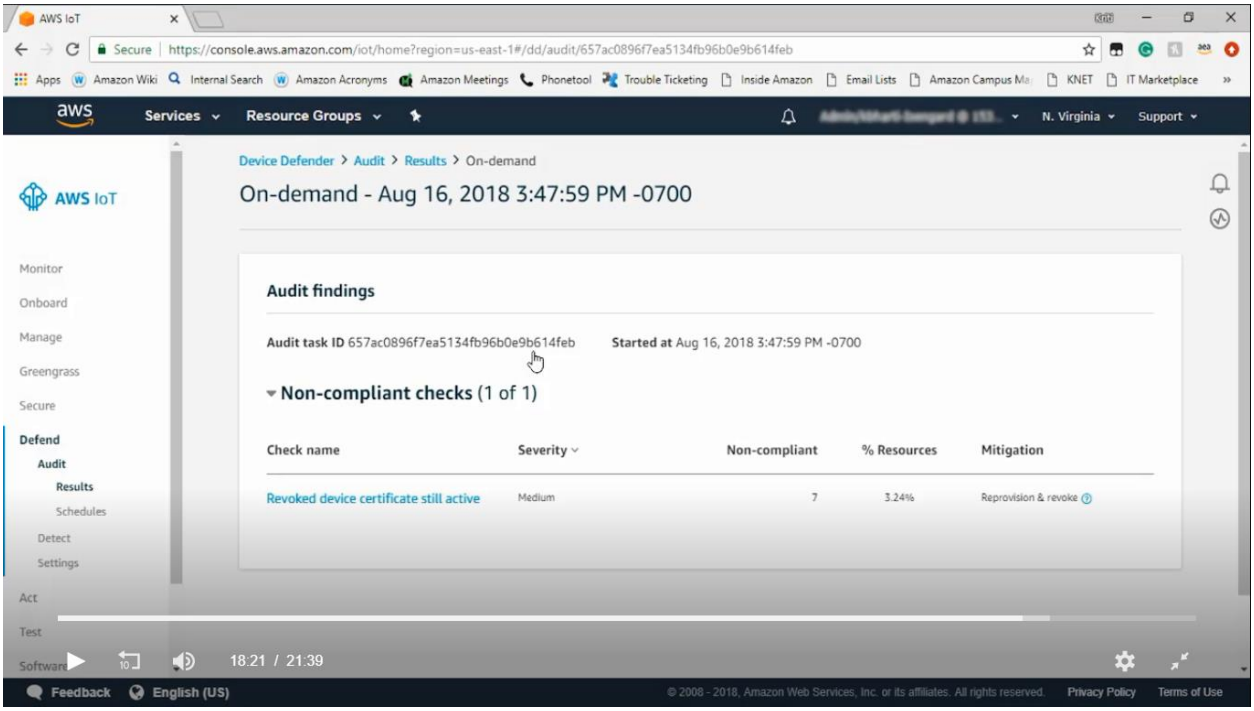
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/audit/657ac0896f7ea5134fb96b0e9b614feb
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Secure
Defend
Audit
Results
Schedules
Detect
Settings
Act
Test
Softwar
Device Defender > Audit > Results > On-demand
On-demand - Aug 16, 2018 3:47:59 PM -0700
Audit findings
Audit task ID 657ac0896f7ea5134fb96b0e9b614feb
Started at Aug 16, 2018 3:47:59 PM -0700
Non-compliant checks (1 of 1)
Check name
Severity
Non-compliant
% Resources
Mitigation
Revoked device certificate still active
Medium
7
3.24%
Reprovision & revoke
18:21 / 21:39
Feedback
English (US)
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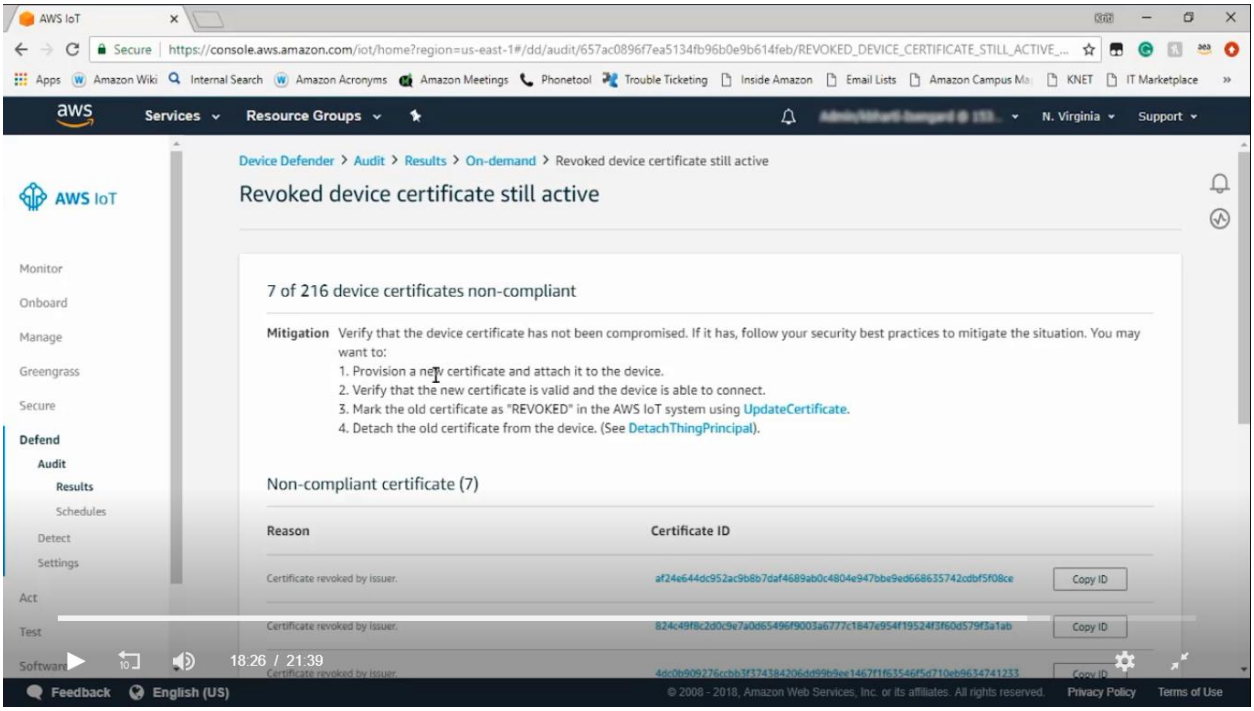
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/audit/657ac0896f7ea5134fb96b0e9b614feb/REVOKED_DEVICE_CERTIFICATE_STILL_ACTIVE_...
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aws Services Resource Groups N. Virginia Support
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Results
Schedules
Detect
Settings
Act
Test
Softwar
Device Defender > Audit > Results > On-demand > Revoked device certificate still active
Revoked device certificate still active
7 of 216 device certificates non-compliant
Mitigation Verify that the device certificate has not been compromised. If it has, follow your security best practices to mitigate the situation. You may want to:
1. Provision a new certificate and attach it to the device.
2. Verify that the new certificate is valid and the device is able to connect.
3. Mark the old certificate as "REVOKED" in the AWS IoT system using UpdateCertificate.
4. Detach the old certificate from the device. (See DetachThingPrincipal).
Non-compliant certificate (7)
Reason
Certificate ID
Certificate revoked by issuer.
af24e644dc952ac9b8b7daf4689ab0c4804e947bbe9ed668635742cdbf5f08ce
Copy ID
Certificate revoked by issuer.
824c49f8c2d0c9e7a0d65496f9003a6777c1847e954f19524f3f60d579f3a1ab
Copy ID
Certificate revoked by issuer.
4dc0b909276ccbb3f374384206dd99b9ee1467f1f635546f5d710eb9634741233
Copy ID
18:26 / 21:39
Feedback English (US)
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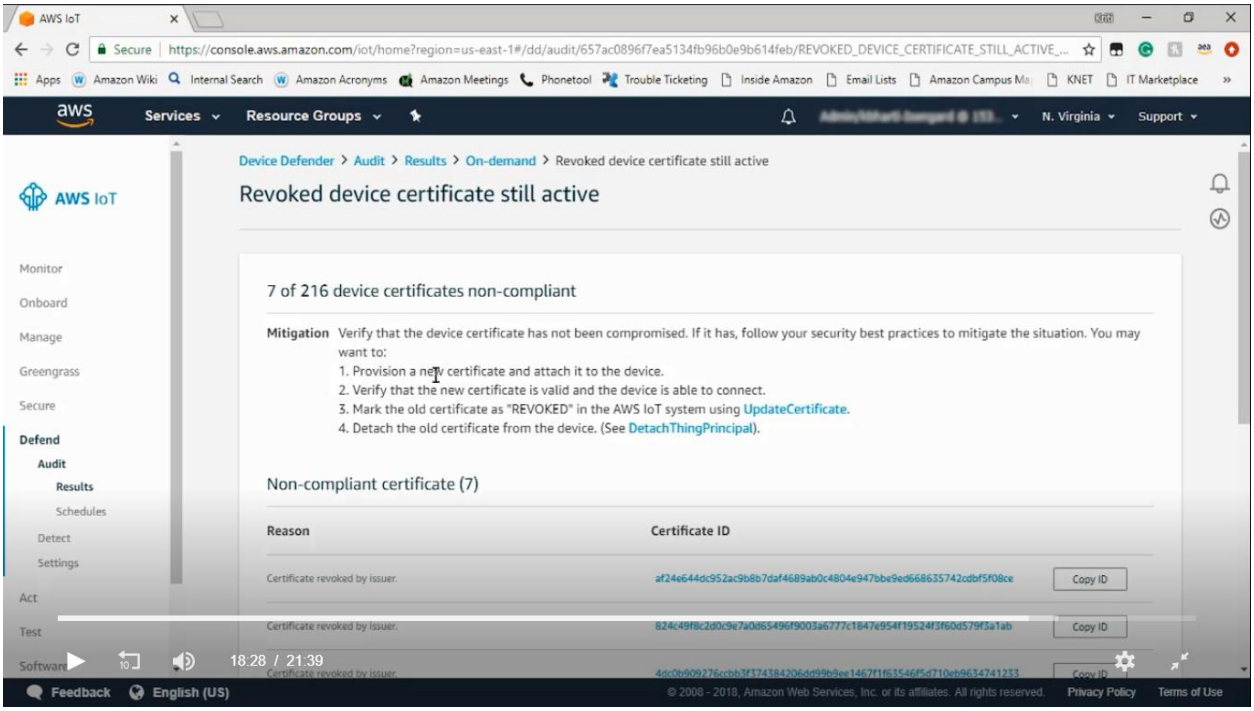
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/audit/657ac0896f7ea5134fb96b0e9b614feb/REVOKED_DEVICE_CERTIFICATE_STILL_ACTIVE_...
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
aws Services Resource Groups N. Virginia Support
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Defend
Audit
Results
Schedules
Detect
Settings
Act
Test
Softwar
Device Defender > Audit > Results > On-demand > Revoked device certificate still active
Revoked device certificate still active
7 of 216 device certificates non-compliant
Mitigation Verify that the device certificate has not been compromised. If it has, follow your security best practices to mitigate the situation. You may want to:
1. Provision a new certificate and attach it to the device.
2. Verify that the new certificate is valid and the device is able to connect.
3. Mark the old certificate as "REVOKED" in the AWS IoT system using UpdateCertificate.
4. Detach the old certificate from the device. (See DetachThingPrincipal).
Non-compliant certificate (7)
Reason
Certificate ID
Certificate revoked by issuer.
af24e644dc952ac9b8b7daf4689ab0c4804e947bbe9ed668635742cdbf5f08ce
Copy ID
Certificate revoked by issuer.
824c49f8c2d0c9e7a0d65496f9003a6777c1847e954f19524f3f60d579f3a1ab
Copy ID
Certificate revoked by issuer.
4dc0b909276ccbb3f374384206dd99b9ee1467f1f635465f5d710eb9634741233
Copy ID
18:28 / 21:39
Feedback English (US)
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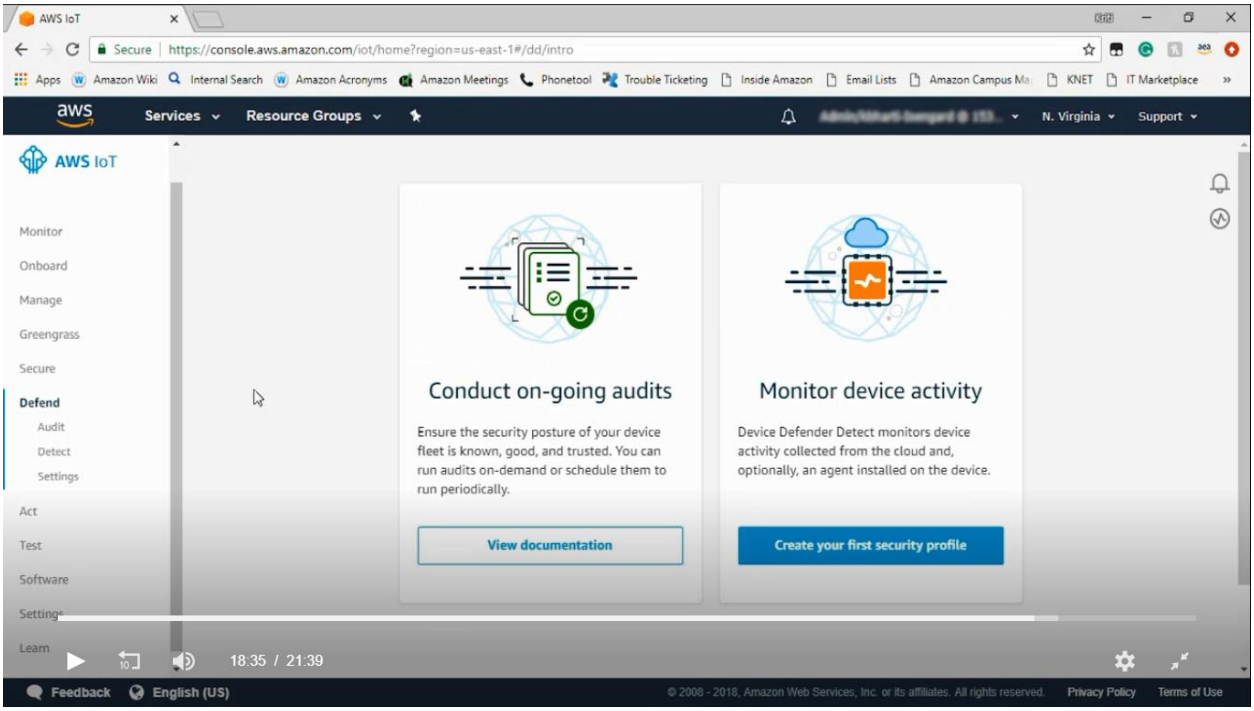
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/intro
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
aws Services Resource Groups N. Virginia Support
AWS IoT
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Detect
Settings
Act
Test
Software
Setting
Learn
Conduct on-going audits
Ensure the security posture of your device fleet is known, good, and trusted. You can run audits on-demand or schedule them to run periodically.
View documentation
Monitor device activity
Device Defender Detect monitors device activity collected from the cloud and, optionally, an agent installed on the device.
Create your first security profile
18:35 / 21:39
Feedback English (US)
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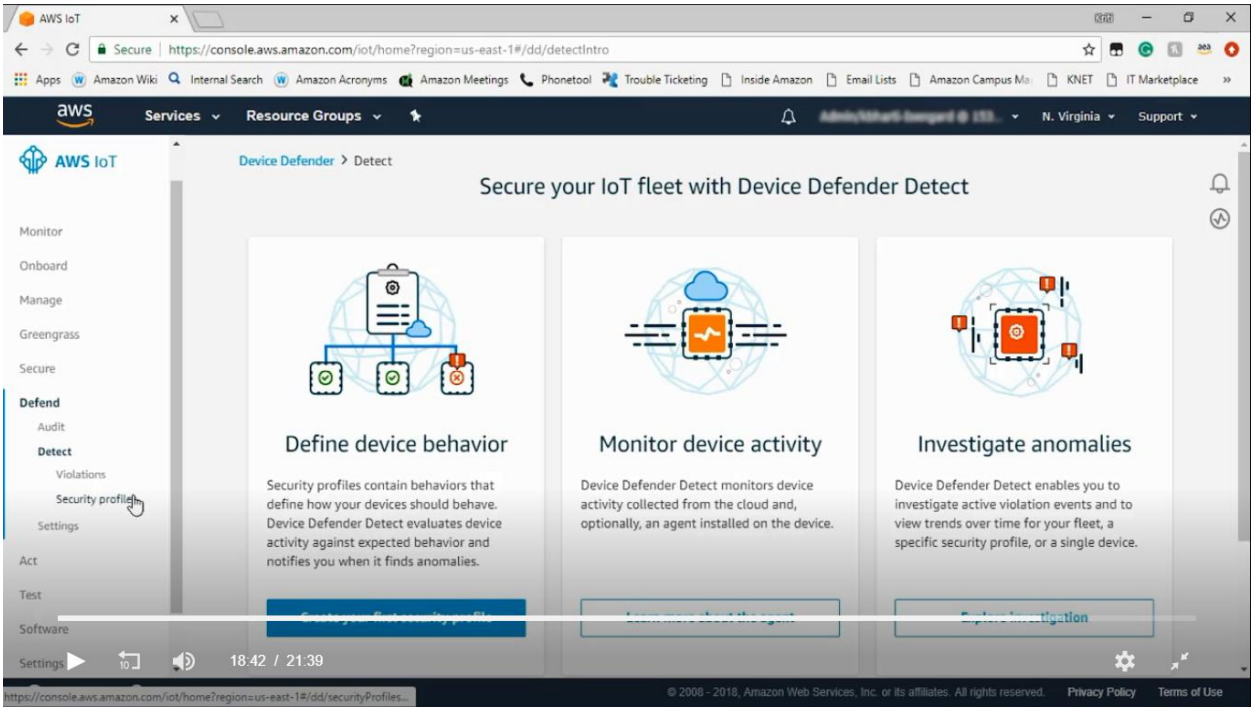
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/detectIntro
Services
Resource Groups
N. Virginia
Support
AWS IoT
Device Defender > Detect
Secure your IoT fleet with Device Defender Detect
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Detect
Violations
Security profiles
Settings
Act
Test
Software
Define device behavior
Security profiles contain behaviors that define how your devices should behave. Device Defender Detect evaluates device activity against expected behavior and notifies you when it finds anomalies.
Monitor device activity
Device Defender Detect monitors device activity collected from the cloud and, optionally, an agent installed on the device.
Investigate anomalies
Device Defender Detect enables you to investigate active violation events and to view trends over time for your fleet, a specific security profile, or a single device.
18:42 / 21:39
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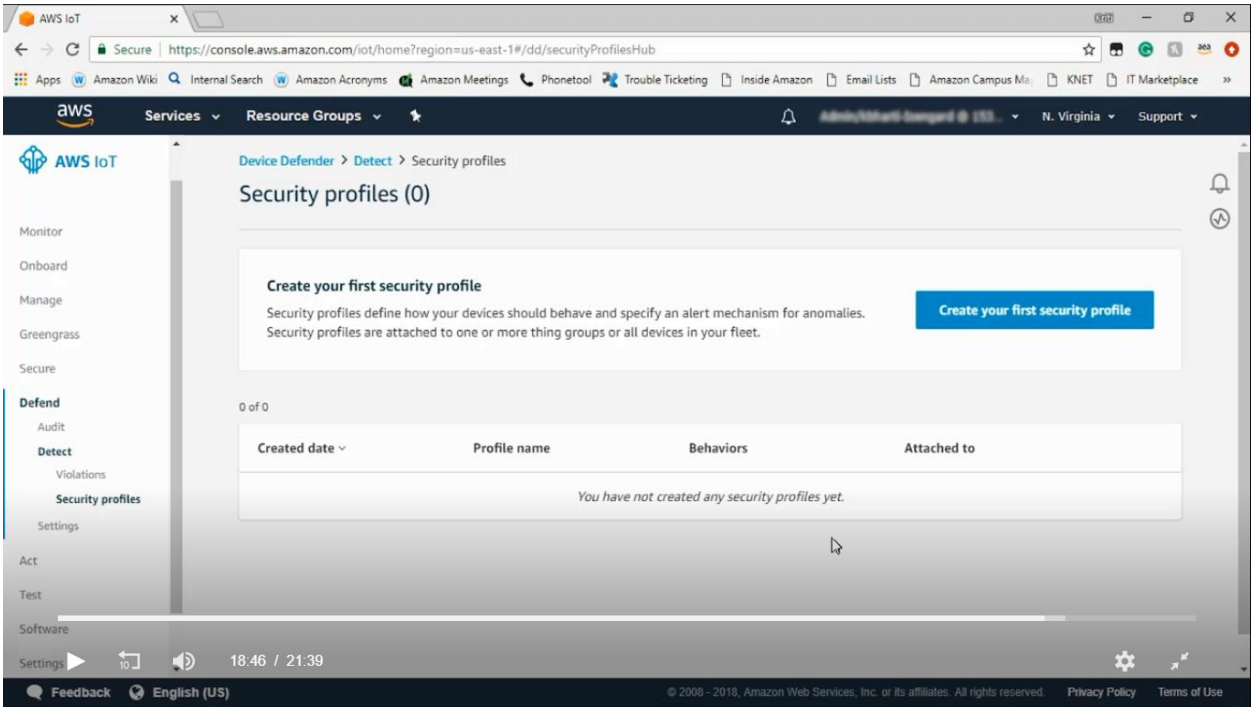
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/securityProfilesHub
Services
Resource Groups
N. Virginia
Support
AWS IoT
Device Defender > Detect > Security profiles
Security profiles (0)
Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Detect
Violations
Security profiles
Settings
Act
Test
Software
Create your first security profile
Security profiles define how your devices should behave and specify an alert mechanism for anomalies. Security profiles are attached to one or more thing groups or all devices in your fleet.
Create your first security profile
0 of 0
Created date
Profile name
Behaviors
Attached to
You have not created any security profiles yet.
18:46 / 21:39
Feedback
English (US)
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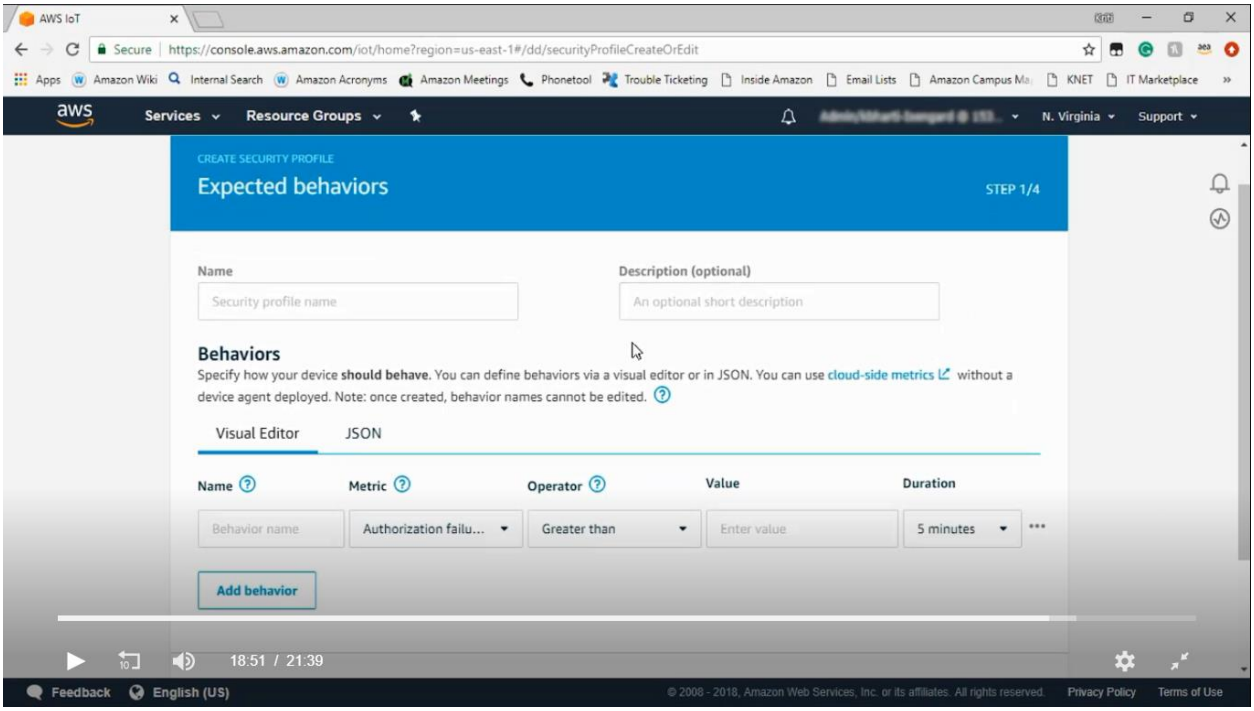
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/securityProfileCreateOrEdit
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
aws Services Resource Groups N. Virginia Support
CREATE SECURITY PROFILE
Expected behaviors
STEP 1/4
Name
Security profile name
Description (optional)
An optional short description
Behaviors
Specify how your device should behave. You can define behaviors via a visual editor or in JSON. You can use cloud-side metrics without a device agent deployed. Note: once created, behavior names cannot be edited.
Visual Editor JSON
Name Metric Operator Value Duration
Behavior name
Authorization failu...
Greater than
Enter value
5 minutes
Add behavior
18:51 / 21:39
Feedback English (US)
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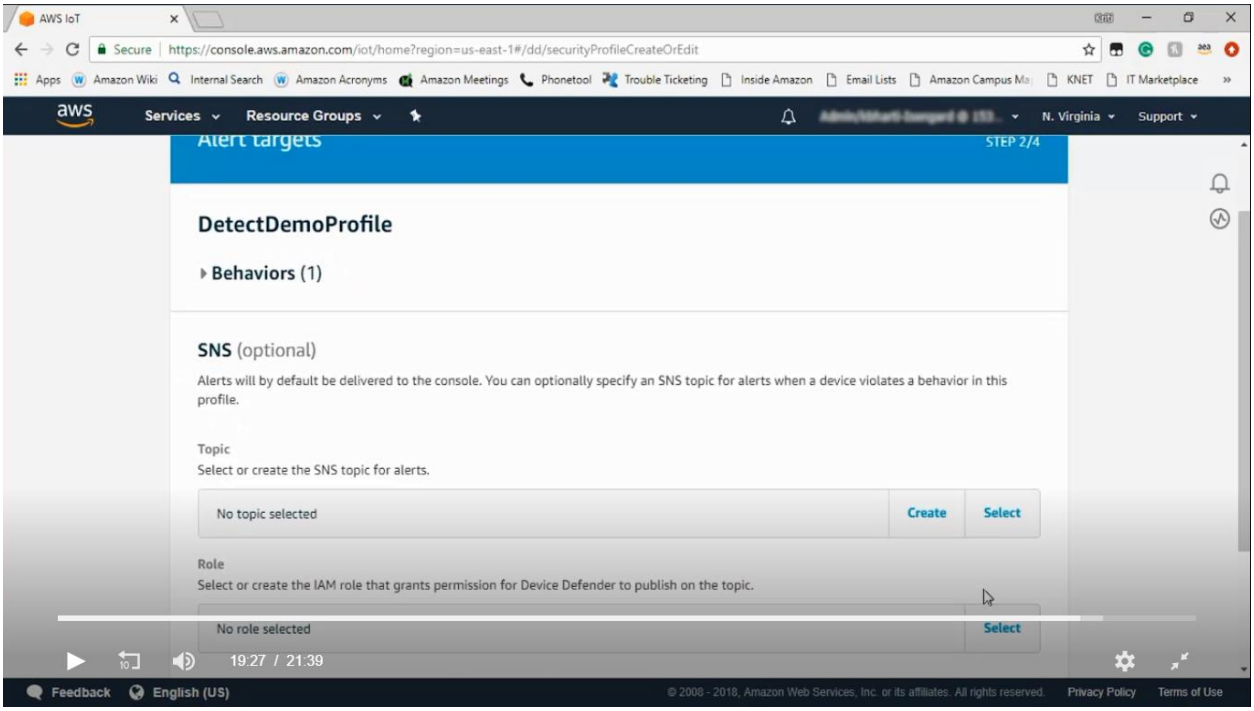
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/securityProfileCreateOrEdit
Apps Amazon Wiki Internal Search Amazon Acronyms Amazon Meetings Phonetool Trouble Ticketing Inside Amazon Email Lists Amazon Campus Ma KNET IT Marketplace
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Alert targets
STEP 2/4
DetectDemoProfile
Behaviors (1)
SNS (optional)
Alerts will by default be delivered to the console. You can optionally specify an SNS topic for alerts when a device violates a behavior in this profile.
Topic
Select or create the SNS topic for alerts.
No topic selected
Create
Select
Role
Select or create the IAM role that grants permission for Device Defender to publish on the topic.
No role selected
Select
19:27 / 21:39
Feedback English (US)
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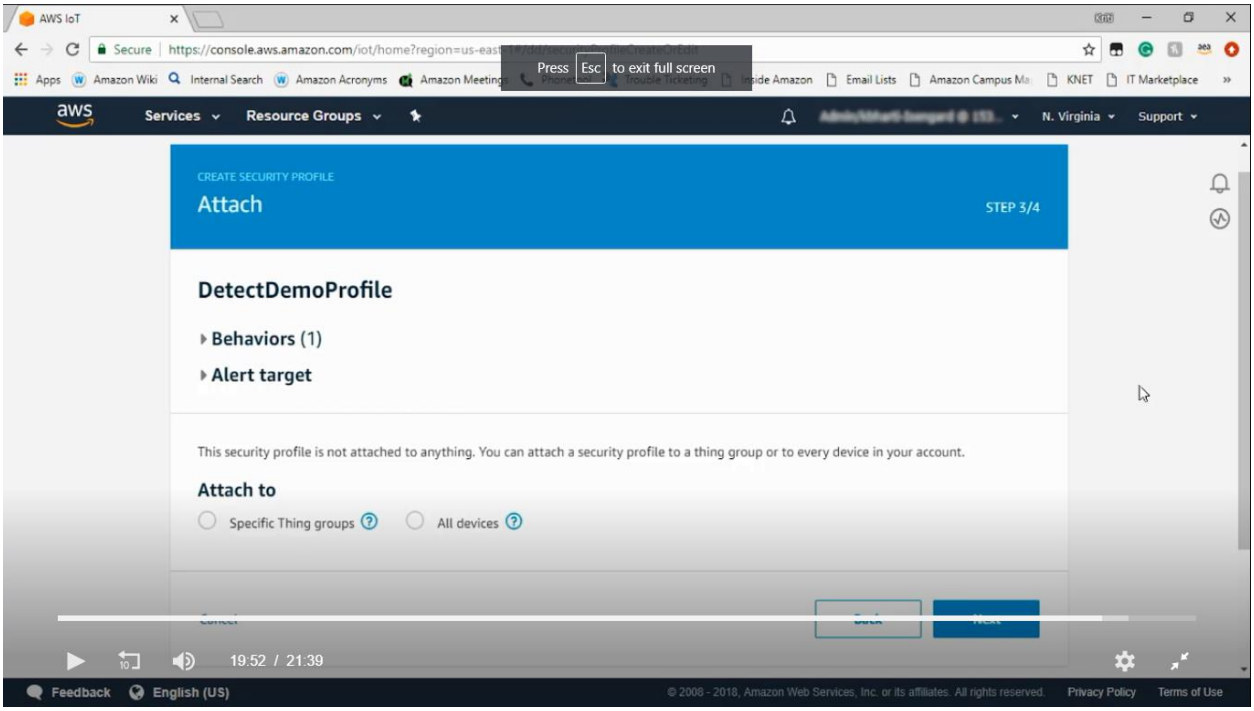
AWS IoT
Press Esc to exit full screen
Services
Resource Groups
N. Virginia
Support
CREATE SECURITY PROFILE
Attach
STEP 3/4
DetectDemoProfile
Behaviors (1)
Alert target
This security profile is not attached to anything. You can attach a security profile to a thing group or to every device in your account.
Attach to
Specific Thing groups
All devices
19:52 / 21:39
Feedback
English (US)
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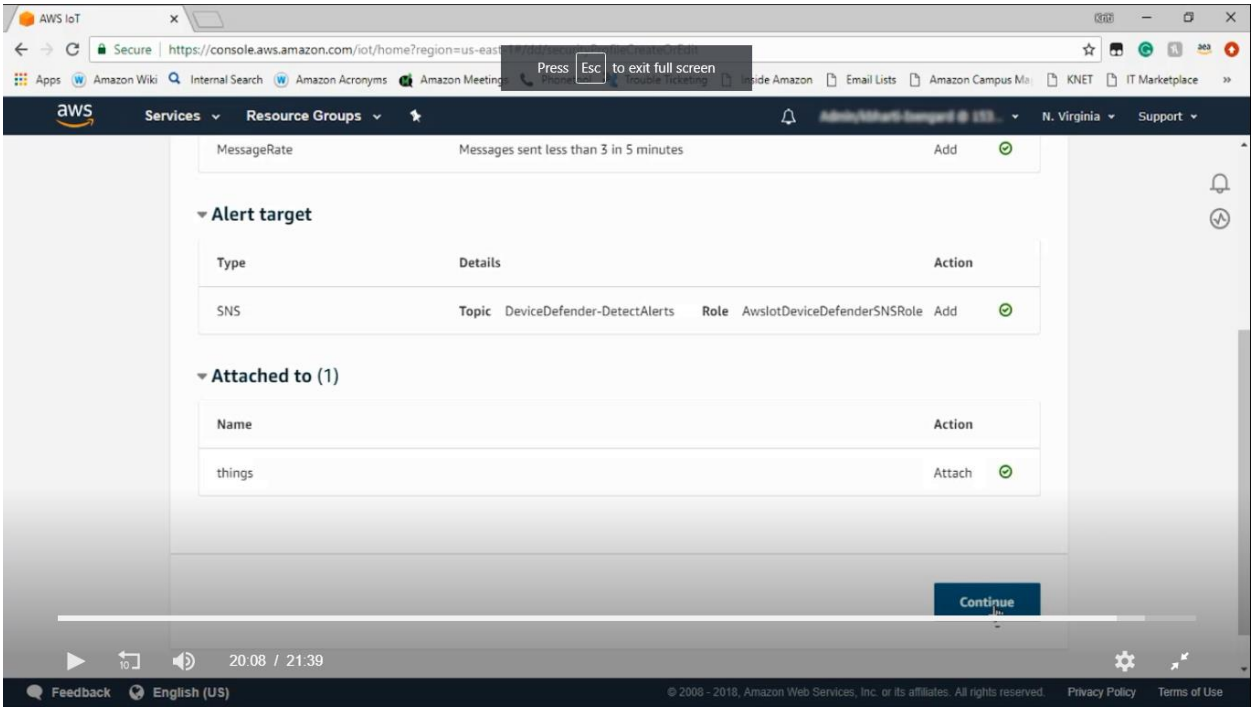
AWS IoT
Press Esc to exit full screen
Services
Resource Groups
N. Virginia
Support
MessageRate
Messages sent less than 3 in 5 minutes
Add
Alert target
Type
Details
Action
SNS
Topic DeviceDefender-DetectAlerts
Role AwsIotDeviceDefenderSNSRole
Add
Attached to (1)
Name
Action
things
Attach
Continue
20:08 / 21:39
Feedback
English (US)
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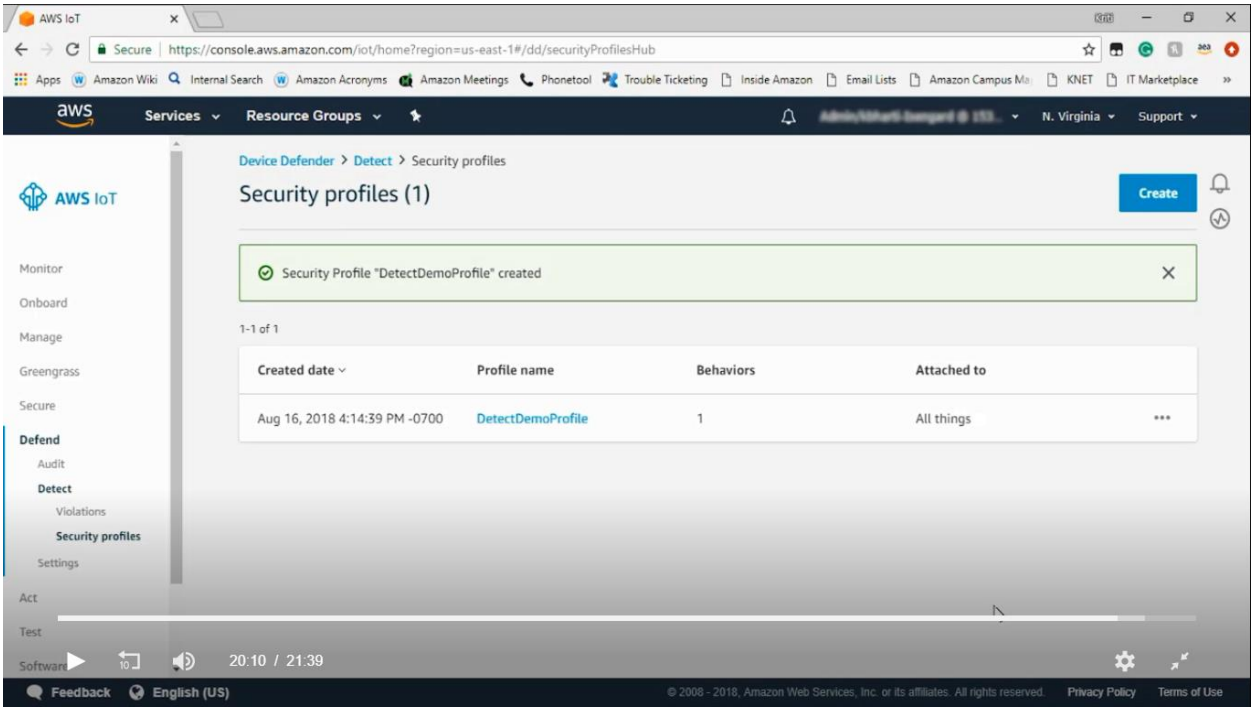
AWS IoT
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Violations
Security profiles
Settings
Act
Test
Softwar
Device Defender > Detect > Security profiles
Security profiles (1)
Create
Security Profile "DetectDemoProfile" created
1-1 of 1
Created date
Profile name
Behaviors
Attached to
Aug 16, 2018 4:14:39 PM -0700
DetectDemoProfile
1
All things
20:10 / 21:39
Feedback
English (US)
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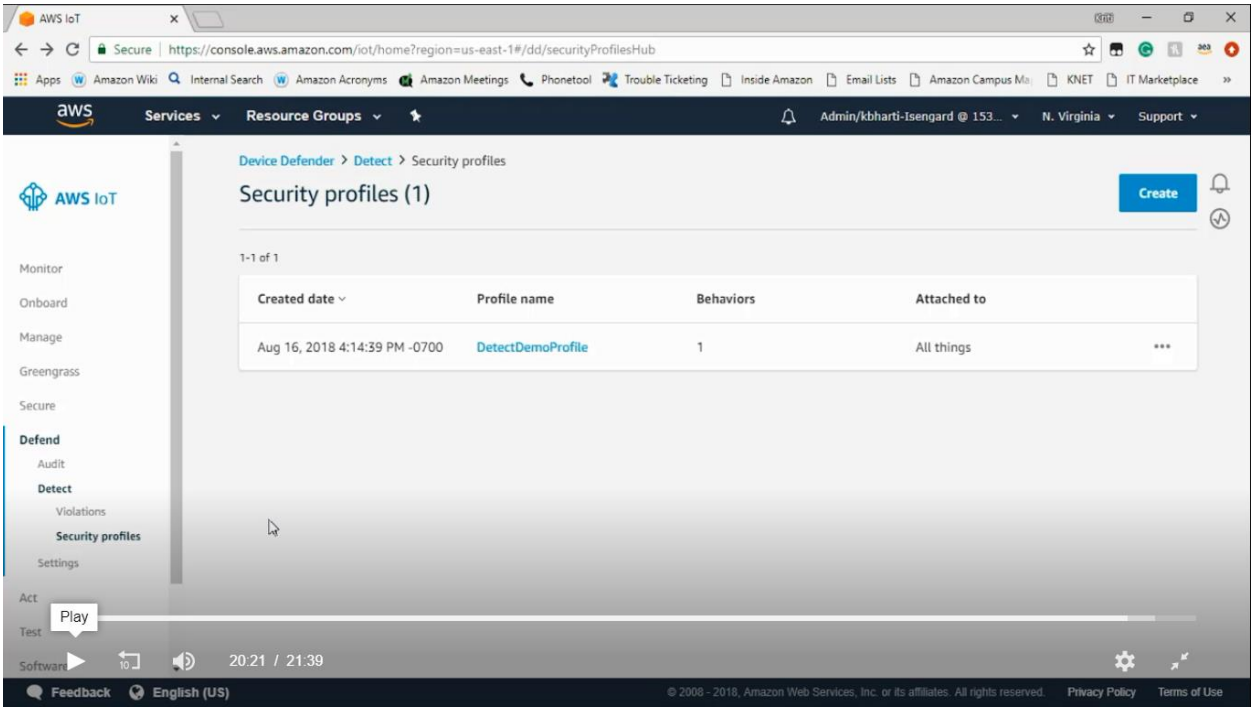
AWS IoT
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aws Services Resource Groups Admin/kbharti-Isengard @ 153... N. Virginia Support
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Device Defender > Detect > Security profiles
Security profiles (1)
Create
1-1 of 1
Created date
Profile name
Behaviors
Attached to
Aug 16, 2018 4:14:39 PM -0700
DetectDemoProfile
1
All things
Play
20:21 / 21:39
Feedback
English (US)
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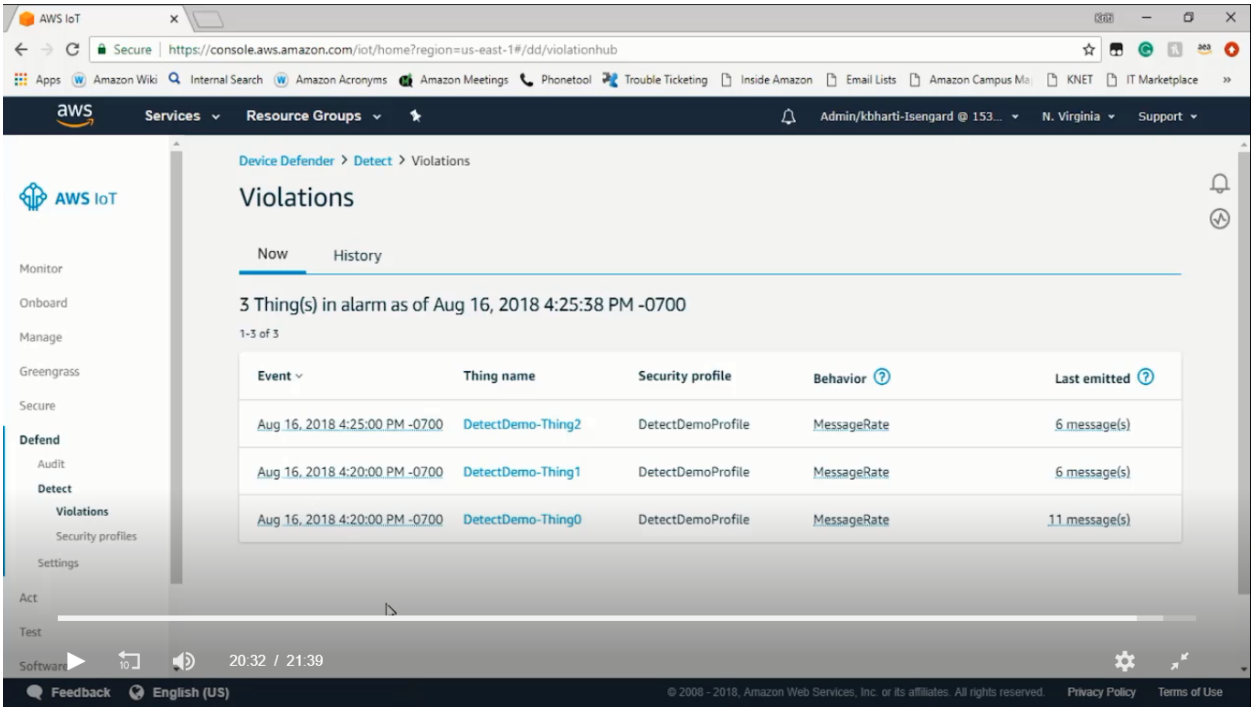
AWS IoT
Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/violationhub
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aws Services Resource Groups Admin/kbharti-Isengard @ 153... N. Virginia Support
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Violations
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Act
Test
Softwar
Device Defender > Detect > Violations
Violations
Now
History
3 Thing(s) in alarm as of Aug 16, 2018 4:25:38 PM -0700
1-3 of 3
Event
Thing name
Security profile
Behavior
Last emitted
Aug 16, 2018 4:25:00 PM -0700
DetectDemo-Thing2
DetectDemoProfile
MessageRate
6 message(s)
Aug 16, 2018 4:20:00 PM -0700
DetectDemo-Thing1
DetectDemoProfile
MessageRate
6 message(s)
Aug 16, 2018 4:20:00 PM -0700
DetectDemo-Thing0
DetectDemoProfile
MessageRate
11 message(s)
20:32 / 21:39
Feedback
English (US)
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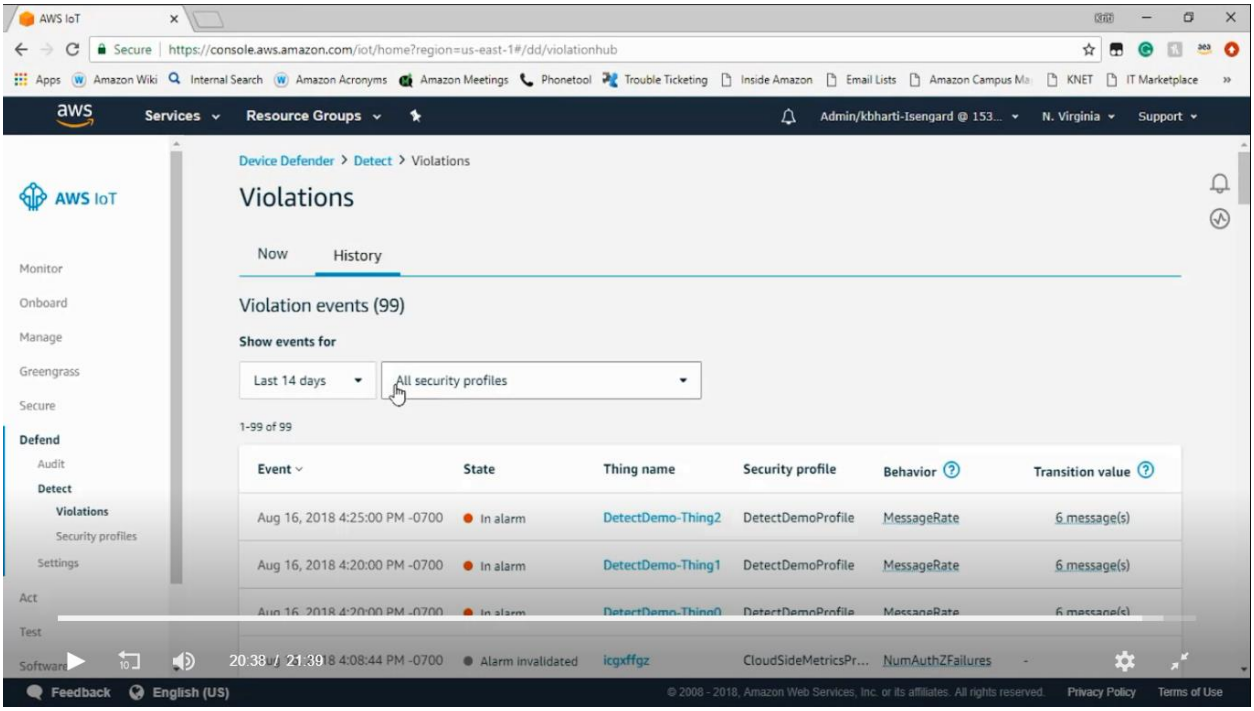
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Secure | https://console.aws.amazon.com/iot/home?region=us-east-1#/dd/violationhub
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aws Services Resource Groups Admin/kbharti-Isengard @ 153... N. Virginia Support
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Monitor
Onboard
Manage
Greengrass
Secure
Defend
Audit
Detect
Violations
Security profiles
Settings
Act
Test
Softwar
Device Defender > Detect > Violations
Violations
Now
History
Violation events (99)
Show events for
Last 14 days
All security profiles
1-99 of 99
Event
State
Thing name
Security profile
Behavior
Transition value
Aug 16, 2018 4:25:00 PM -0700 In alarm DetectDemo-Thing2 DetectDemoProfile MessageRate 6 message(s)
Aug 16, 2018 4:20:00 PM -0700 In alarm DetectDemo-Thing1 DetectDemoProfile MessageRate 6 message(s)
Aug 16, 2018 4:20:00 PM -0700 In alarm DetectDemo-Thing0 DetectDemoProfile MessageRate 6 message(s)
8 4:08:44 PM -0700 Alarm invalidated icgxffgz CloudSideMetricsPr... NumAuthZFailures -
20:38 / 21:39
Feedback English (US)
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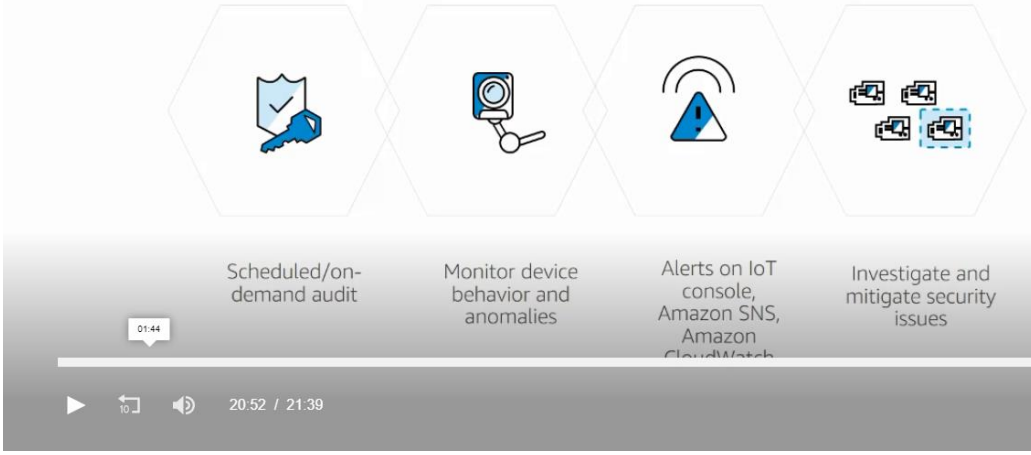
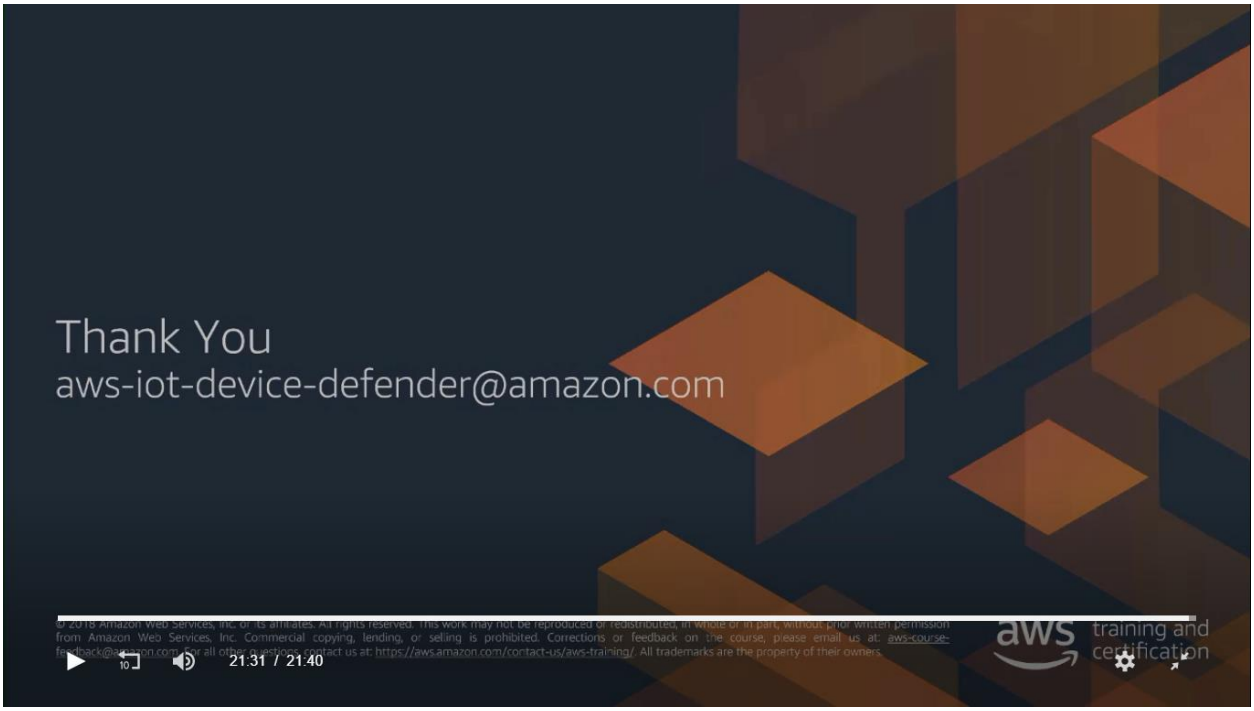
Summary

aws training and certification




Press Esc to exit full screen
aws-iot-device-defender@amazon.com
21:20 / 21:40


Thank You
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10
21:31 / 21:40
aws
training and certification