

# Amazon Connect Integration

WEEK 8 – QA RECORDINGS PART 2



# Amazon Connect – Monitor Calls

## Monitor live conversations

Managers and agents in training can monitor live conversations between agents and customers. To set this up, you need to add the Set recording behavior block to your voice/chat contact flow, assign managers and trainees the appropriate permissions, and then show them how to monitor the conversations.

# Amazon Connect – Monitor Calls

## Set up live monitoring for voice and/or chat

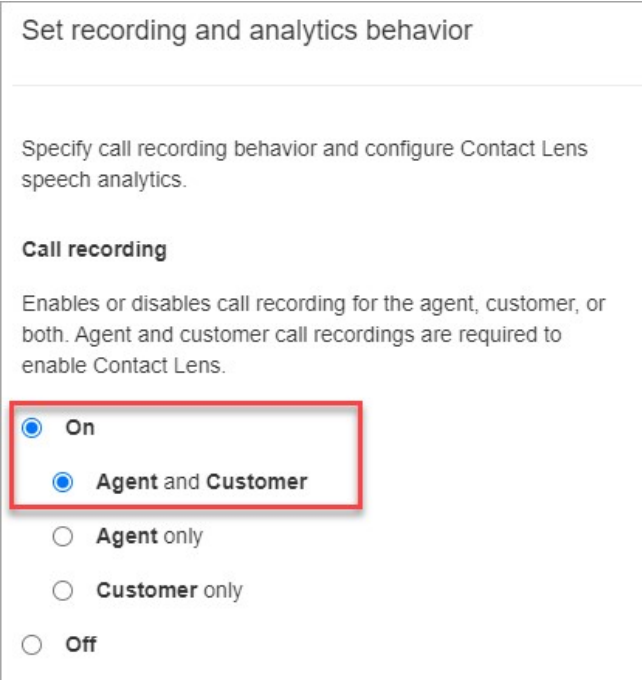
1. Add the Set recording and analytics behavior block to your contact flow. Do this to monitor calls, chats, or both.

To enable monitoring of voice and/or chat conversations, in the block's properties choose Agent and Customer.

2. Choose whether to record the conversations you monitor.

Although you need to add the Set recording behavior block to your contact flow, you don't need to record voice and/or chat conversations for monitoring to work. By default when you set up your instance, Amazon S3 buckets are created to store call recordings and chat transcripts. The existence of these buckets enables call recording and chat transcripts at the instance level.

To not record the calls or chats you're monitoring, disable the Amazon S3 buckets.



Set recording and analytics behavior

Specify call recording behavior and configure Contact Lens speech analytics.

**Call recording**

Enables or disables call recording for the agent, customer, or both. Agent and customer call recordings are required to enable Contact Lens.

☒ On

☒ Agent and Customer

☐ Agent only

☐ Customer only

☐ Off

# Amazon Connect – Monitor Calls

## Assign permissions to monitor live conversations

For managers to monitor live conversations, you assign them the CallCenterManager and Agent security profiles. To allow agent trainees to monitor live conversations, you may want to create a security profile specific for this purpose.

### To assign a manager permissions to monitor a live conversation

1. Go to Users, User management, choose the manager, and then choose Edit.
2. In the Security Profiles box, assign the manager to the CallCenterManager security profile. This security profile also includes a setting that makes the icon to download recordings appear in the results of the Contact search page.
3. Assign the manager to the Agent security profile so they can access the Contact Control Panel (CCP), and use it to monitor the conversation.
4. Choose Save.

# Amazon Connect – Monitor Calls

## To create a new security profile for monitoring live conversations

1. Choose Users, Security profiles.
2. Choose Add new security profile.
3. Expand Analytics, then choose Access metrics and Manager monitor.

Access metrics is needed so they can access the real-time metrics report, which is where they choose which conversations to monitor.

Metrics and Quality ⓘ						
Type	All	Access	View	Edit	Create	Enable/Disable
Access metrics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contact search	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contact attributes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Login/Logout report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manager monitor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Recorded conversations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Saved reports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Amazon Connect – Monitor Calls

**To create a new security profile for monitoring live conversations**

4. Expand Contact Control Panel, then choose Access Contact Control Panel and Make outbound calls.

Contact Control Panel (CCP) ⓘ		
Type	Access	
Access Contact Control Panel	<input checked="" type="checkbox"/>	
Make outbound calls	<input checked="" type="checkbox"/>	

These permissions are needed so they can monitor the conversation through the Contact Control Panel.

5. Choose Save.

# Amazon Connect – Monitor Calls

## Monitor live conversations with contacts

Tip - Call barge-in is not currently supported. That is, if you're listening to a conversation, your microphone stays muted.

1. Check that the Set recording and analytics behavior block is in the contact flow you want to monitor. It has to be there whether you're monitoring calls or chats. In the block's Properties, choose Agent and Customer.
2. Log in to your Amazon Connect instance with a user account that is assigned the CallCenterManager security profile, or that is enabled for the Manager monitor permission.
3. Open the Contact Control Panel (CCP) by choosing the phone icon in the top-right corner of your screen. You'll need the CCP open to connect to the conversation.

# Amazon Connect – Monitor Calls

## Monitor live conversations with contacts

4. To choose the agent conversation you want to monitor, in Amazon Connect choose Analytics, Real-time metrics, Agents.
5. To monitor voice conversations: Next to the names of agents in a live voice conversation, you'll see a headset icon. Choose the icon to start monitoring the conversation.

When you're monitoring a conversation, the status in your CCP changes to Monitoring.

6. To monitor chat conversations: For each agent you'll see the number of live chat conversations they're in. Click on the number. Then choose the conversation you want to start monitoring.

When you're monitoring a conversation, the status in your CCP changes to Monitoring.

7. To stop monitoring the conversation, in the CCP choose End call or End chat.

When the agent ends the conversation, monitoring stops automatically.



# Amazon Connect – Monitor Calls

## Review recorded conversations

Managers can review past conversations between agents and customers. To set this up, you need to set up recording behavior, assign managers the appropriate permissions, and then show them how to access the recorded conversations.

When is a conversation recorded? A conversation is recorded only when the contact is connected to an agent. The contact is not recorded before then, when they are connected to the IVR. If the call is transferred externally, the call recording stops when the agent drops from the call.

Tip - When call recording is enabled, the recording is placed in your S3 bucket shortly after the contact is disconnected. Then the recording is available for you to review it using the steps in this article.

You can also access the recording from the customer's contact record. The recording is available in the contact record, however, only after the contact has left the After Contact Work (ACW) state.

# Amazon Connect – Monitor Calls

How do I manage access to recordings? Use the Recorded conversations (unredacted) security profile permission to manage who can listen to recordings, and access the corresponding URLs that are generated in S3.

## **Review recordings/transcripts of past conversations**







These are the steps that a manager does to review past recordings/transcripts of conversations.

1. Log in to Amazon Connect with a user account that has permissions to access recordings.
2. In Amazon Connect choose Analytics, Contact search.
3. Filter the list of contacts by date, agent login, phone number, or other criteria. Choose Search.







Tip - We recommend using the Contact ID filter to search for recordings. This is the best way to ensure you get the right recording for the contact. Many recordings have the same name as the contact ID, but not all.

# Amazon Connect – Monitor Calls

4. Conversations that were recorded have icons in the Recording/Transcript column. If you don't have the appropriate permissions, you won't see these icons.

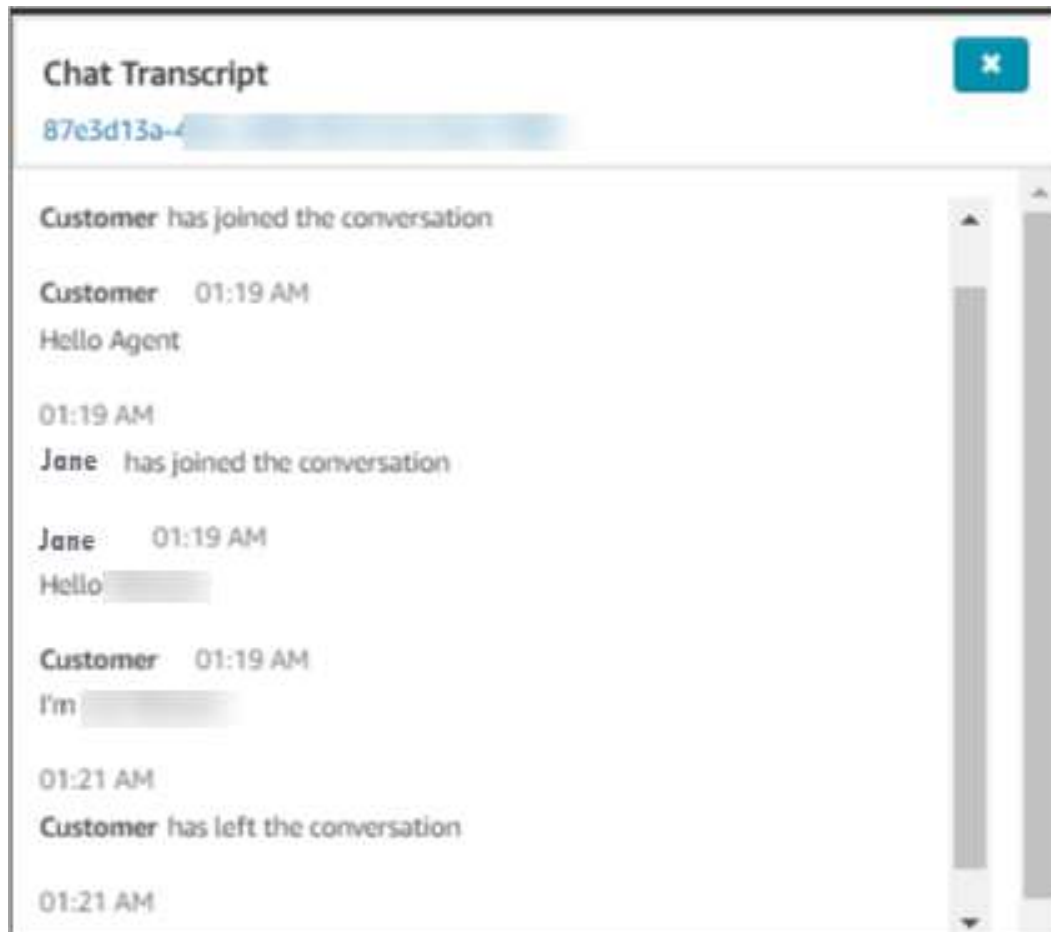
Contact ID	Channel	Initiation Timestamp	Phone number	Queue	Agent	Recording/Transcript
b3	Voice	2/3/20 7:02 PM	+1 5	BasicQueue		  
eb7	Voice	2/3/20 7:04 PM	+1 5	BasicQueue		  

5. To listen to a recording of a voice conversation, or read the transcript of a chat, choose the Play icon.

Contact ID	Channel	Initiation Timestamp	Phone number	Queue	Agent	Recording/Transcript
b3	Voice	2/3/20 7:02 PM	+1 5	BasicQueue		  
eb7	Voice	2/3/20 7:04 PM	+1 5	BasicQueue		  

# Amazon Connect – Monitor Calls

6. The following image shows a sample chat transcript.



# Amazon Connect – Monitor Calls

## Pause, rewind, or fast-forward a recording

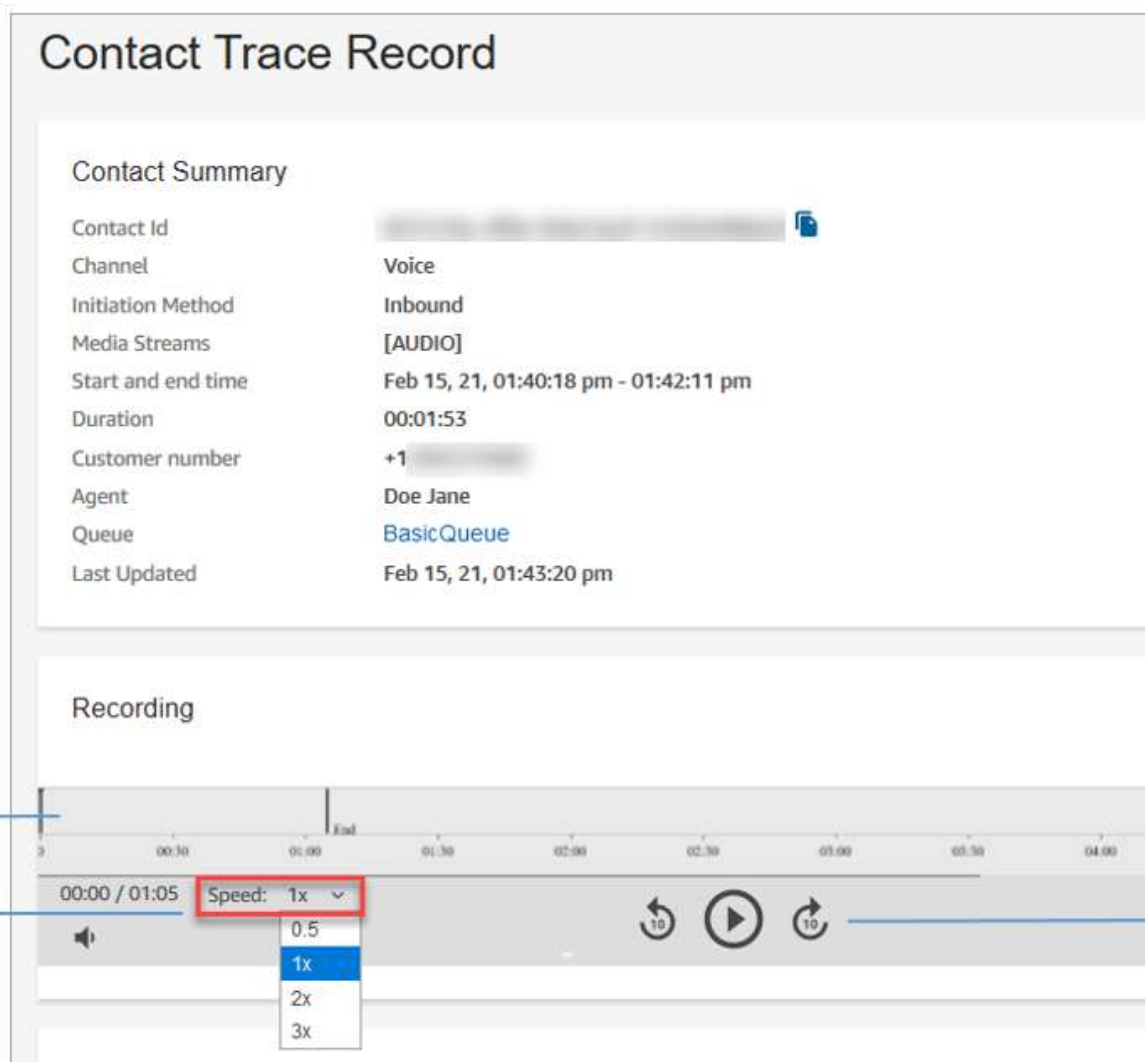
1. Instead of choosing the Play icon, choose the contact ID to open the contact record..

Contacts							February 15, 2021 - Ame	
	Contact ID	Channel	Initiation Timestamp	Phone Number	Queue	Agent	Recording/Transcript	
>	bf2157b	Voice	Feb 15, 2021, 01:40:18 pm	+1	BasicQueue	janedoe		 

# Amazon Connect – Monitor Calls

## Pause, rewind, or fast-forward a recording

2. On the Contact record page, there are more controls to navigate the recording.



- A. Click or tap to the time you want to investigate.
- B. Adjust the playing speed.
- C. Play, pause, skip backwards or forwards in 10 second increments.

# Amazon Connect – Monitor Calls

## Troubleshoot problems pausing, rewinding, or fast-forwarding

If you are unable to pause, rewind or fast-forward recordings on the Contact search page, one possible reason could be that your network is blocking HTTP range requests. Work with your network administrator to unblock HTTP range requests.

# Amazon Connect – Monitor Calls

## Assign permissions to review recordings of past conversations

Assign the CallCenterManager security profile so a user can listen to call recordings or review chat transcripts. This security profile also includes a setting that makes the icon to download recordings appear in the results of the Contact search page.

Contacts							
February 15, 2021 - America/Los_Angeles							
	Contact ID	Channel	Initiation Timestamp	Phone Number	Queue	Agent	Recording/Transcript
>		Voice	Feb 15, 2021, 01:40:18 pm	+	BasicQueue	janedoe	  



# Amazon Connect – Monitor Calls

Or, assign the following individual permissions.

Metrics and Quality ⓘ							
Type	All	Access	View	Edit	Create	Enable/Disable	Enable download button
Access metrics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1 Contact search	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Search contacts by conversation characteristics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Search contacts by keywords	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Restrict contact access ⓘ	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contact attributes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contact Lens - speech analytics ⓘ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Recorded conversations (redacted) ⓘ	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Login/Logout report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Manager monitor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Recorded conversations (unredacted)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Saved reports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Amazon Connect – Monitor Calls

1. Contact search: This permission is required so users can access the Contact search page, which is where they can search contacts so they can listen to recordings and review transcripts.
2. Restrict contact access: Manage access to results on the Contact search page based on their agent hierarchy group.

For example, agents who are assigned to AgentGroup-1 can only view contact trace records (CTRs) for contacts handled by agents in that hierarchy group, and any groups below them. (If they have permissions for Recorded conversations, they can also listen to call recordings and view transcripts.) Agents assigned to AgentGroup-2 can only access CTRs for contacts handled by their group, and any groups below them.

Managers and others who are in higher level groups can view CTRs for contacts handled by all the groups below them, such as AgentGroup-1 and 2.

For this permission, All = View since View is the only action granted.

# Amazon Connect – Monitor Calls

Note - When you change a the hierarchy group of a user, it may take a couple of minutes for their contact search results to reflect their new permissions.

3. Recorded conversations (redacted): If your organization uses Contact Lens for Amazon Connect, you can assign this permission so agents access only those call recordings and transcripts in which sensitive data has been removed.

The redaction feature is provided as part of Contact Lens for Amazon Connect. For more information, see [Use sensitive data redaction](#).

4. Manager monitor: This permission allows users to monitor live conversations and listen to recordings.

Tip - Be sure to assign managers to the Agent security profile so they can access the Contact Control Panel (CCP). This enables them can monitor the conversation through the CCP.

# Amazon Connect – Monitor Calls

- Recorded conversations (unredacted): If your organization isn't using Contact Lens for Amazon Connect, use this permission to manage who can listen to recordings, access the corresponding URLs that are generated in S3, and delete recordings.

Note the following:

- To restrict access to recordings, ensure users do not have Analytics - Recorded conversations (unredacted) - Access permissions, as shown in the following

Analytics ⓘ		
Type	All	Access
Access metrics	<input type="checkbox"/>	<input type="checkbox"/>
Logins	<input type="checkbox"/>	<input type="checkbox"/>
Manager monitor	<input type="checkbox"/>	<input type="checkbox"/>
Recorded conversations (unredacted)	<input type="checkbox"/>	<input type="checkbox"/>
Saved reports	<input type="checkbox"/>	<input type="checkbox"/>

# Amazon Connect – Monitor Calls







- If users do not have Recorded conversations permission—or they're not logged in to Amazon Connect—they cannot listen to the call recording or access the URL in S3, even if they know how the URL is formed.
- The Enable download button permission controls only whether the download button appears in the user interface. It does not control access to the recording.
- To enable a user to delete recordings, choose the Delete permission. By default, the Enable download button permission is granted too so the user can delete recordings through the user interface.

# Amazon Connect – Monitor Calls

## Download recordings/transcripts of past conversations

These are the steps that a manager does to download past recordings/transcripts of conversations.







1. Log in to Amazon Connect with a user account that has permissions to access recordings.
2. In Amazon Connect choose Analytics, Contact search.
3. Filter the list of contacts by date, agent login, phone number, or other criteria. Choose Search.
4. Conversations that were recorded have icons in the Recording/Transcript column. If you don't have the appropriate permissions, you won't see these icons.

Contact ID	Channel	Initiation Timestamp	Phone number	Queue	Agent	Recording/Transcript
b3	Voice	2/3/20 7:02 PM	+1 5	BasicQueue		  
eb7	Voice	2/3/20 7:04 PM	+1 5	BasicQueue		  

# Amazon Connect – Monitor Calls

## Download recordings/transcripts of past conversations







5. Choose the Download icon.

Contact ID	Channel	Initiation Timestamp	Phone number	Queue	Agent	Recording/Transcript
b3	Voice	2/3/20 7:02 PM	+1 5	BasicQueue		  
eb	Voice	2/3/20 7:04 PM	+1 5	BasicQueue		  

# Amazon Connect – Monitor Calls

## Download recordings/transcripts of past conversations

6. The recording is saved automatically to your Downloads folder as a .wav file.

Name	Date	Type
 b3	2/3/2020 11:08 AM	WAV File
 24	11/30/2019 6:39 PM	WAV File
 2b	7/1/2019 1:49 PM	WAV File
 2b	7/1/2019 1:50 PM	WAV File
 1ff	11/30/2019 6:16 PM	WAV File
 0b	11/24/2019 2:03 PM	WAV File

The name of the file is the contact ID.

Tip - You may hear only the agent, only the customer, or both the agent and customer in the recording. This is determined by how the Set recording and analytics behavior block is configured.



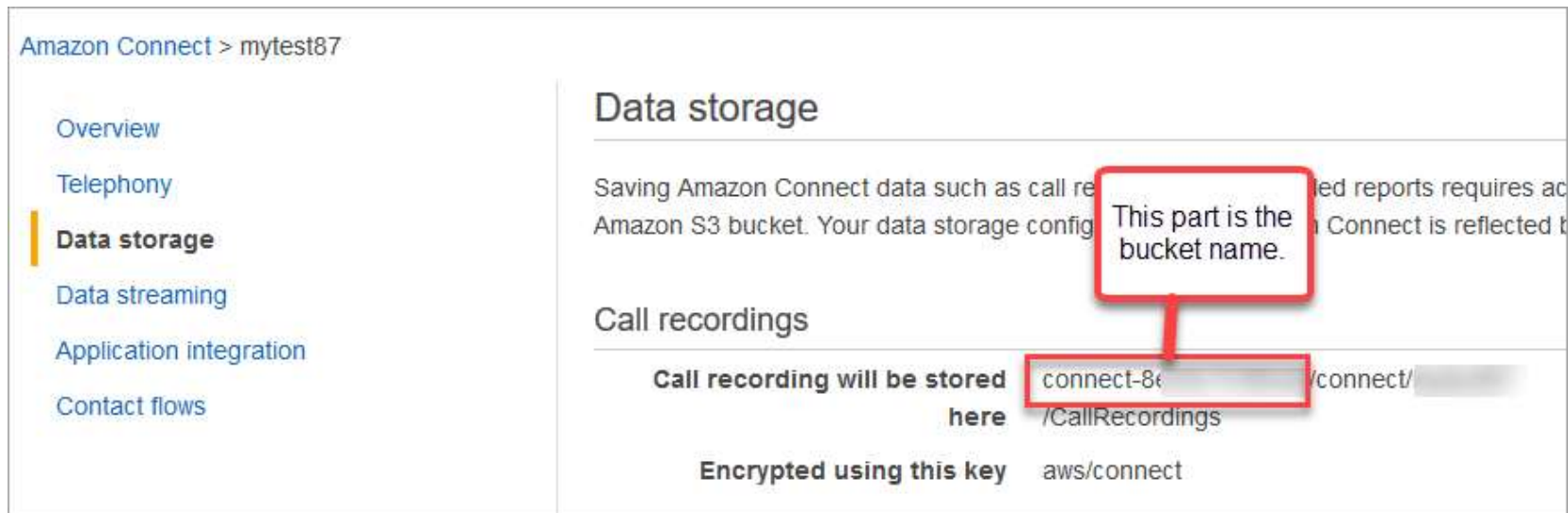
# Amazon Connect – Monitor Calls

## Track who deleted or listened to recordings

You need an AWS account to do these steps.

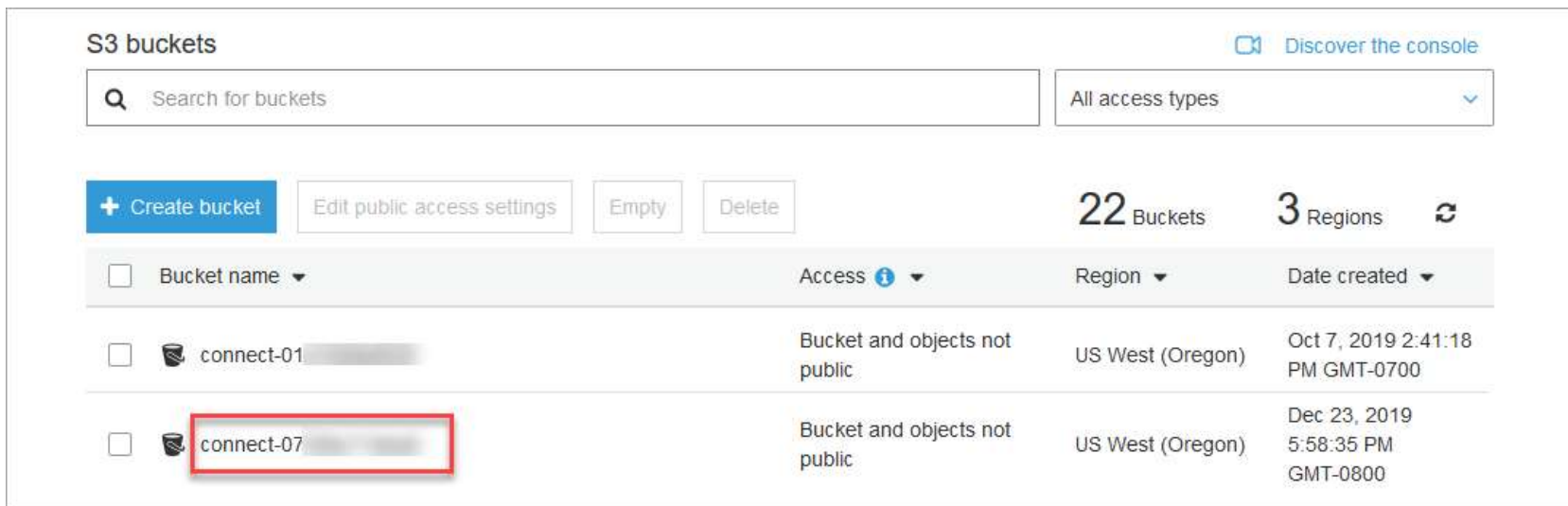
## Set up logging

1. If you have multiple instances and buckets, look up the name of the Amazon S3 bucket for your instance. Go to the Amazon Connect console, choose the instance alias, and choose Data storage.



# Amazon Connect – Monitor Calls

2. Go to the Amazon S3 console.
3. Choose the Amazon S3 bucket where your recordings are stored.

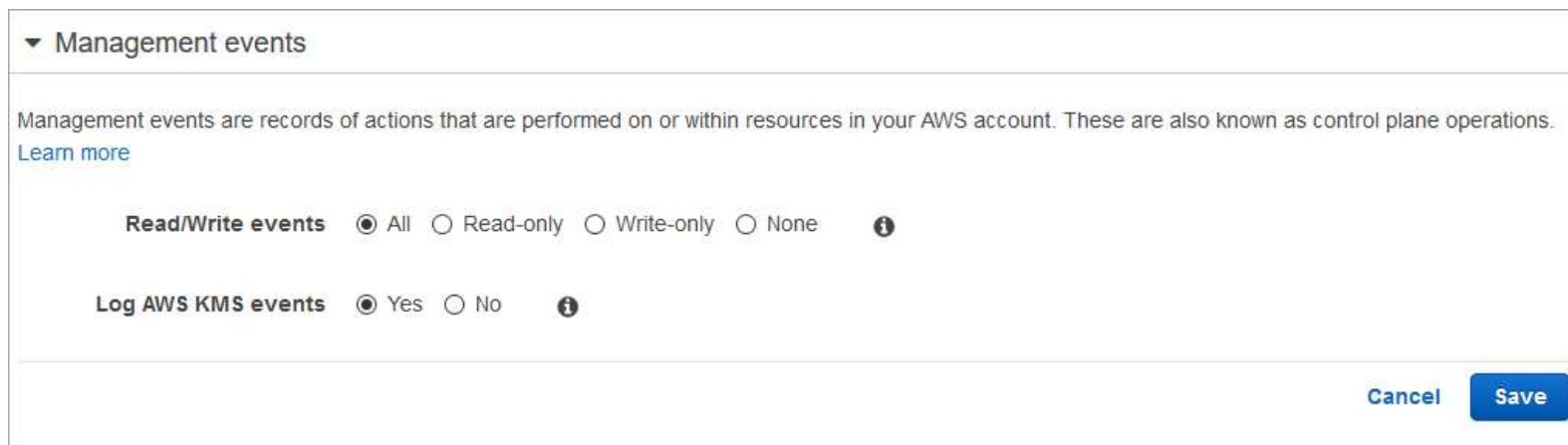


The screenshot shows the Amazon S3 console interface. At the top, there's a search bar labeled 'Search for buckets' and a dropdown menu for 'All access types'. Below these are buttons for '+ Create bucket', 'Edit public access settings', 'Empty', and 'Delete'. To the right, it displays '22 Buckets' and '3 Regions'. A table lists the buckets with columns for 'Bucket name', 'Access', 'Region', and 'Date created'. The bucket 'connect-07' is highlighted with a red box.

Bucket name	Access	Region	Date created
connect-01	Bucket and objects not public	US West (Oregon)	Oct 7, 2019 2:41:18 PM GMT-0700
connect-07	Bucket and objects not public	US West (Oregon)	Dec 23, 2019 5:58:35 PM GMT-0800

# Amazon Connect – Monitor Calls

4. Choose the Properties tab.
  5. Choose Object-level logging and then choose View CloudTrail trails.
- It opens the AWS CloudTrail console.
6. In the navigation menu, choose Trails and then choose the trail name.
  7. In the upper right corner, toggle Logging to ON, if it's not on already.
  8. Under Management events, choose the edit icon. To log only who deletes recordings, you set this to Write-only. To also log who listens to recordings, set to All. Choose Save.



▼ Management events

Management events are records of actions that are performed on or within resources in your AWS account. These are also known as control plane operations.  
[Learn more](#)

**Read/Write events** ☒ All ☐ Read-only ☐ Write-only ☐ None ⓘ

**Log AWS KMS events** ☒ Yes ☐ No ⓘ

Cancel Save

# Amazon Connect – Monitor Calls

- Under CloudWatch Logs choose the edit icon. Either accept the default name for your log group (CloudTrail/DefaultLogGroup), or specify a new name. Choose Continue.

The screenshot shows the AWS CloudTrail Trails Configuration page. The left sidebar contains navigation links: CloudTrail, Dashboard, Event history, Insights, Trails (highlighted), and Learn more (Pricing, Documentation, Forums, FAQs). The main content area is titled 'Trails > Configuration' and includes a 'Logging' toggle set to 'ON'. Below this is a list of trail settings: Trail settings, Management events, Insights events, Data events, and Storage location. The 'CloudWatch Logs' section is expanded and highlighted with a red box. It contains instructions to configure CloudWatch Logs for monitoring trail logs. The 'New or existing log group\*' field is highlighted with a red box and contains the text 'CloudTrail/DefaultLogGroup'. The 'IAM role\*' field is set to 'CloudTrail\_CloudWatchLogs\_Role'. At the bottom, there is a '\* Required field' note and 'Cancel' and 'Continue' buttons.

aws Services Resource Groups Admin/ Support

CloudTrail

Dashboard

Event history

Insights

Trails

Learn more

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Trails > Configuration

Logging ON

Trail settings

Management events

Insights events

Data events

Storage location

CloudWatch Logs

Configure CloudWatch Logs to monitor your trail logs and notify you when specific activity occurs. Standard CloudWatch and CloudWatch Logs charges will apply. [Learn more](#)

New or existing log group\* CloudTrail/DefaultLogGroup

IAM role\* CloudTrail\_CloudWatchLogs\_Role

\* Required field

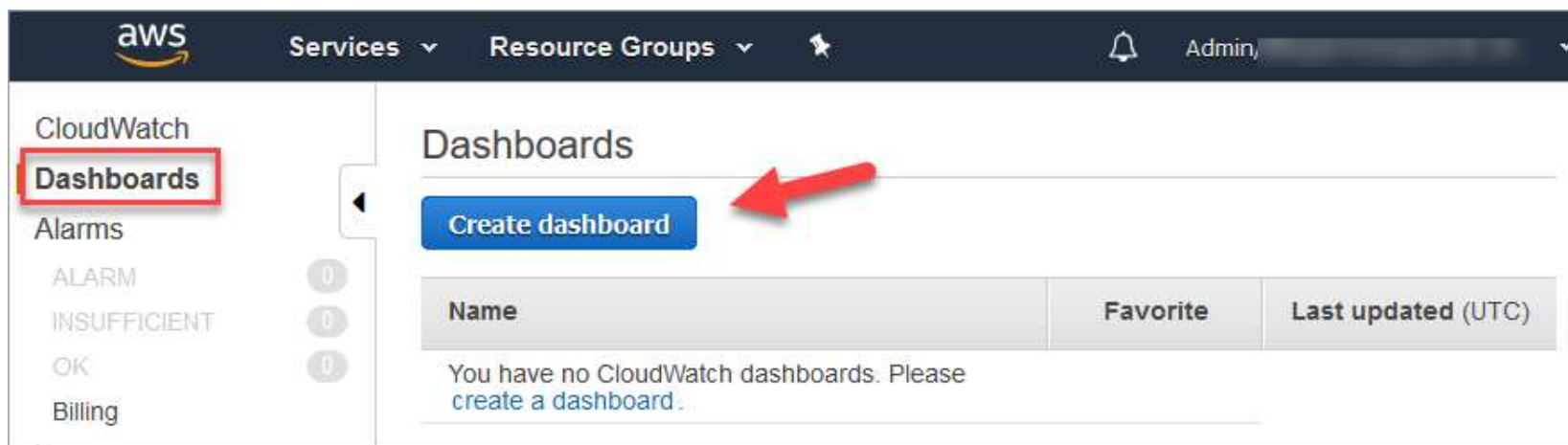
Cancel Continue

# Amazon Connect – Monitor Calls

10. Choose Allow. You can now close the AWS CloudTrail console.

## Find who deleted or listened to recordings

1. Go to the Amazon CloudWatch console.
2. Choose Create dashboard.



# Amazon Connect – Monitor Calls

3. Enter a name, such as CloudTrail-logging.
4. On the Add to this dashboard dialog box, choose Query results. Choose Configure.
5. In the Select log groups, use the drop-down arrow to choose the log group for your instance, such as CloudTrail/DefaultLogGroup.
6. In the query box, delete the current query, and then copy and paste the one shown below instead. This query will find all API events where the recording was deleted:

```
fields @timestamp, @message  
| filter eventSource ='s3.amazonaws.com'  
| filter eventName = 'DeleteObject'
```

# Amazon Connect – Monitor Calls

7. In the time box, choose how far back you want to search.
8. Choose Run query.

It returns all of the events that are named DeleteObject.

9. Next to the event, choose the arrow. It expands to show you detailed information about the event, including the ID of the user who deleted the recording.

The screenshot displays the Amazon Connect Logs interface. At the top, there are buttons for 'Run query', 'Actions', and 'Sample queries', along with a link to 'Have feedback? Email us.'. Below these are tabs for 'Logs' and 'Visualization'. A timeline at the top shows a single record at 06 PM. Below the timeline, a message states '1 records matched | 3,417 records (4.9 MB) scanned in 3.5s @ 976 records/s (1.4 MB/s)'. The main area shows a table with columns for '@timestamp' and '@message'. The first row is expanded, showing details for a 'DeleteObject' event. A red box highlights the 'eventID' field, and a red arrow points to the 'principalId' field in the 'userIdentity' object, with a text box stating: 'The ID of the user who deleted the recording is in the @message row.' The 'eventName' field is also highlighted with a red box.

#	@timestamp	@message
1	2020-03-05T06:00:00.000Z	<pre>{   "eventVersion": "1.07",   "userIdentity": {     "type": "AssumedRole",     "principalId": "A...",     "arn": "arn:aws:iam::...:role/..."   },   "source": "aws-logs",   "sourceIpAddress": "...",   "destinationIpAddress": "...",   "sourceRegion": "...",   "destinationRegion": "...",   "sourceAccount": "...",   "destinationAccount": "...",   "sourceArn": "...",   "destinationArn": "...",   "sourcePrincipal": "...",   "destinationPrincipal": "...",   "sourceRole": "...",   "destinationRole": "...",   "sourcePolicy": "...",   "destinationPolicy": "...",   "sourcePermissions": "...",   "destinationPermissions": "...",   "sourceResources": "...",   "destinationResources": "...",   "sourceActions": "...",   "destinationActions": "...",   "sourceEntities": "...",   "destinationEntities": "...",   "sourceGroups": "...",   "destinationGroups": "...",   "sourceUsers": "...",   "destinationUsers": "...",   "sourceRoles": "...",   "destinationRoles": "...",   "sourcePolicies": "...",   "destinationPolicies": "...",   "sourcePermissions": "...",   "destinationPermissions": "...",   "sourceResources": "...",   "destinationResources": "...",   "sourceActions": "...",   "destinationActions": "...",   "sourceEntities": "...",   "destinationEntities": "...",   "sourceGroups": "...",   "destinationGroups": "...",   "sourceUsers": "...",   "destinationUsers": "...",   "sourceRoles": "...",   "destinationRoles": "...",   "sourcePolicies": "...",   "destinationPolicies": ..." }</pre>



# Amazon Connect – Monitor Calls

10. If a lot of records are returned, choose the Actions arrow, and then choose Download query results (CSV). The data is exported to Excel. From there you can format the spreadsheet so it's easier for you to search and see the names of the users who deleted recordings.

The following image shows what the @message column looks like in the CSV file.





# Amazon Connect – Monitor Calls

11. If you're also logging who listened to recordings, update the query to search for the eventName GetBucketLocation.

```
fields @timestamp, @message  
| filter eventSource ='s3.amazonaws.com'  
| filter eventName = 'GetBucketLocation'
```

Tips - Mirroring CloudTrail logs to CloudWatch is useful but optional. Mirroring the CloudWatch log allows you to use CloudWatch Insight to search the events easily.

If you have a large contact center, you may not want to use object logging because it generates many logs that are stored in your Amazon S3 bucket.

Another option is to write an AWS Lambda function to process the CloudTrail events. You can also search the logs manually.

# Amazon Connect – Monitor Calls

## Search for recordings by contact ID







To find a recording of a specific contact, you only need the contact ID. You don't need to know the date range, agent, or any other information about the contact.

**Tip - We recommend using the contact ID to search for recordings.**

Even though many call recordings for specific contact IDs may be named with the contact ID prefix itself (for example, 123456-aaaa-bbbb-3223-2323234.wav), there is no guarantee that the contact IDs and name of the contact recording file always match. By using Contact ID for your search on the Contact search page, you can find the correct recording by referring the audio file on the contact's record.

# Amazon Connect – Monitor Calls

1. Log in to Amazon Connect with a user account that has permissions to access recordings.
2. In Amazon Connect choose Analytics, Contact search.
3. In the Contact ID, enter the contact ID, and then choose Search.
4. Conversations that were recorded have icons in the Recording/Transcript column. If you don't have the appropriate permissions, you won't see these icons.

Contact ID	Channel	Initiation Timestamp	Phone number	Queue	Agent	Recording/Transcript
b3 [REDACTED]	Voice	2/3/20 7:02 PM	+1 5 [REDACTED]	BasicQueue	[REDACTED]	  
eb7 [REDACTED]	Voice	2/3/20 7:04 PM	+1 5 [REDACTED]	BasicQueue	[REDACTED]	  

# Some layout options



## Current Options Are Not Solving the Problem

STAFFING AGENCY	CAMPUS HIRING	VISA TALENT	INTERNAL TRAINING	BOOTCAMPS
Do not help with shortage	Not enterprise ready	High compliance & legal costs; delays	Not core competency; bureaucratic	Demand-supply mismatch; fragmented