S&P Global Market Intelligence

Current & Historical Transcripts Data

Xpressfeed User Guide

Industry Leading Data



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November 27, 2018 v1.9

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Document Overview

What You Will Find in This User Guide

The purpose of this document is to provide a comprehensive overview of the S&P Global Market Intelligence Transcripts data on Xpressfeed. This document provides:

- The data structure of the packages, including schemas and detailed descriptions of all tables and fields
- Specific details about working with the data
- Common ways of querying Transcripts Data with SQL examples

Who Should Read This Guide

This guide is for clients who use the Xpressfeed[™] Loader to download the Transcripts package. The Xpressfeed Loader generates a database schema and structure and loads Transcript records as a set of fully indexed tables. The Loader automates the daily updates of records and keeps your database up to date.

This guide is also for clients who download the files directly from our EDX FTP platform and write their own loading procedures.

Other Supporting Documentation

These additional documents on the Support Center website will help you make the most of Xpressfeed and the Transcripts package:

- Base Files User Guide This guide describes the data structure of the Base Files and all other tangible components of the data, as well as integration of Base Files with other S&P Global Market Intelligence data sets.
- *Xpressfeed Loader User Guide* This user guide outlines the features and capabilities of the Xpressfeed Loader.

- EDX FTP File Delivery Technical Guide for Xpressfeed This document provides information for clients who download S&P Capital IQ data files directly from the FTP server and write their own loading procedures.
- EDX File Format Spreadsheets These spreadsheets contain full and change file zip file prefixes, individual text file names, and information for each column in the file (e.g., column names, column data types, whether the column is nullable, and primary keys).
- *Xpressfeed File Delivery Schedule* This spreadsheet provides expected full and change file delivery times as well as the length of time the files remain on the server.

These resources may be found on the client support site at: <u>http://support.standardandpoors.com</u>

Executive Summary

Overview

Xpressfeed now offers current and historical transcripts covering approximately 8,000 public companies. You will be able to use this data to acquire forward-looking perspectives by reading transcripts of earnings calls, performing historical analysis to determine sentiment, and by integrating with other available data sets.

The Transcripts data package provides delivery of transcripts for the following event types:

- Earnings Calls
- Guidance/Update Calls
- M&A Calls
- Sales/Trading Statement Calls
- Special Calls
- Shareholder/Analyst Calls
- Company Conference Presentations
- Analyst/Investor Day
- Operating Results Calls
- Interim Management Statement Calls
- Fixed Income Calls

Packages and Populations

Transcripts Data packages are comprised of the following:

Transcripts Data

The Transcripts data package contains transcripts for events back to 2008. When linking the keyDevId in the Transcripts package to the Events package, the announcedDateUTC in the Events package will show transcripts back to 2004.

Company Foundation File

The Company Foundation File contains the *companyId* (the S&P Capital IQ unique entity identifier). The Company Foundation File provides descriptive information on the entity, such as name, address, country, etc.

See the Base Files User Guide on the Xpressfeed Support Center for more information on the Company Foundation File.

Corresponding Packages

Events

The Events package complements our Transcripts offering. This data set provides details on upcoming events including:

- Event descriptions and agendas
- Event dates and times
- Event types such as:
 - Meetings
 - Earnings Releases
 - Investor Conferences
 - Calls
- Event contacts, presenters, participants and roles
- Event locations
- Event detail including:
 - URLs
 - Phone numbers
 - Passcodes
 - Addresses

In addition to upcoming events, historical events are also included.

With the Events package, you can create calendars for upcoming events and associate transcript documents to events after they occur.

For more information, refer to the Key Developments, Future Events and Events Packages - Xpressfeed User Guide on the <u>Support Center</u>.

Professionals

Transcripts data can also be linked to the Professionals People Basic package which contains officer and director data, unique person identifiers, and the professional relationships relating to each person. It also provides descriptive information such as biographies, specialties, and job functions.

For more information, refer to the *Professional Data - Xpressfeed User Guide* on the <u>Support Center</u>.

Transcript Documents

The Transcript Documents package provides FTP "bulk" delivery of preliminary and final versions of transcript documents. Transcript Document files may be delivered in the following file types: .xml, .pdf, .html, audio files (mp3), and company provided presentations (.ppt).

For more information, refer to the guide titled *Transcript Documents - EDX FTP File Delivery* on the <u>Support Center</u>.

Delivery Frequency

Package delivery frequency consists of Change Files and Full Files:

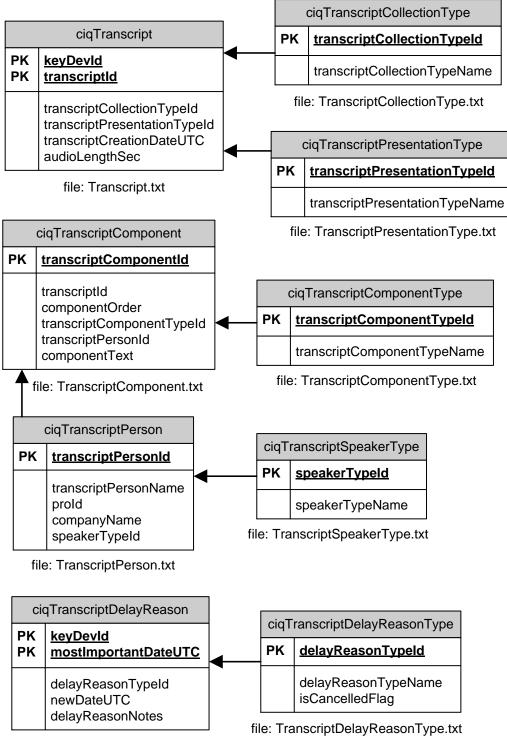
- <u>Change Files:</u> The Transcripts package has near real-time span delivery. Transactional updates are generated every 15 minutes. Span files are produced only if there are data changes. Clients receive a full data package update weekly.
- <u>Full Files</u>: Clients receive a full data package update weekly. The full data package may be applied once on initializing the database, but will not need to be applied thereafter as daily updates will keep the database up to date.

For specific file delivery times, please refer to the *Xpressfeed File Delivery Schedule* on the <u>Xpressfeed Support Center</u>.

Schema

The schema below is for Transcripts Data. Primary keys appear in bold font and are designated with the initials PK. All tables reflect Xpressfeed Loader table names. The associated file name for FTP clients is given beneath each table. Schemas for supporting packages are posted on the <u>Xpressfeed Support Center</u>.

For a detailed description of the tables and fields in these schemas, refer to the chapter that follows.



file: TranscriptDelayReason.txt

Transcripts Data

ciqTranscript table

The **ciqTranscript** table provides the transcript information associated with a particular event (keyDevId).

	ciqTranscript
PK PK	<u>keyDevld</u> <u>transcriptld</u>
	transcriptCollectionTypeId transcriptPresentationTypeId transcriptCreationDateUTC audioLengthSec

file: Transcript.txt

Table 1. ciqTranscript fields

Column	Data Type	Description
keyDevld	int	The unique identifier of the event / key development that the transcript is associated with
transcriptId	int	Represents the unique identifier of the transcript
transcriptCollectionTypeId	tinyint	The unique numerical identifier for a transcript collection type. For reference data, link to the <u>ciqTranscriptCollectionType</u> table.

Column	Data Type	Description
transcriptPresentationTypeId	tinyint	The unique numerical identifier for a transcript presentation type. For reference data, link to the <u>ciqTranscriptPresentationType</u> table.
transcriptCreationDateUTC	datetime	The date and time the transcript was created.
audioLengthSec	int	The call duration / audio length in seconds

ciqTranscriptComponent table

The **ciqTranscriptComponent** table contains information regarding the contents of a transcript.

ciqTranscriptComponent	
РК	transcriptComponentId
	transcriptId componentOrder transcriptComponentTypeId transcriptPersonId componentText

file: TranscriptComponent.txt

Table 2. ciqTranscriptComponent fields

XF Column	Data Type	Oracle Datatype
transcriptComponentId	int	The unique numerical identifier for a transcript component.
transcriptId	int	Represents the unique identifier of the transcript
componentOrder	smallint	The order of the transcript component as it appears in the transcription
transcriptComponentTypeId	tinyint	The unique identifier for the transcript component. For reference data, link to the <u>ciqTranscriptComponentType</u> table.
transcriptPersonId	int	The unique identifier for the person that is speaking in the transcript. For reference data, link to the <u>ciqTranscriptPerson</u> table.
componentText	nvarchar	The transcript text contained in the component

Note: Please refer to the sample query titled <u>Full-Text Index script against the</u> <u>ciqTranscriptComponent table and ComponentText column</u>. This query may assist you in improving query performance.

ciqTranscriptPerson table

The **ciqTranscriptPerson** table provides information regarding the individuals participating in the call.

ciqTranscriptPerson	
РК	transcriptPersonId
	transcriptPersonName prold companyName speakerTypeld

file: TranscriptPerson.txt

Table 3.	ciqTranscriptPerson field	s
		-

XF Column	Data Type	Description
transcriptPersonId	int	The unique identifier for the person that is speaking in the transcript.
transcriptPersonName	nvarchar	The name of the person that is speaking in the transcript.
prold	int	Unique identifier for a professional. A professional is the instance of a person associated to a company, educational institution, etc. For more information, link the prold to any table with this identifier in the Professional Data Packages.
companyName	nvarchar	The name of the company associated with the transcriptPersonId.
speakerTypeId	tinyint	The unique identifier for the speaker. For reference data, link to the <u>ciqTranscriptSpeakerType</u> table.

ciqTranscriptDelayReason table

This **ciqTranscriptDelayReason** table provides the reason why a transcript delivery is delayed.

ci	ciqTranscriptDelayReason	
PK PK	<u>keyDevId</u> mostImportantDateUTC	
	delayReasonTypeld newDateUTC delayReasonNotes	

file: TranscriptDelayReason.txt

Table 4.	ciqTranscriptDelayReason fields
10010 1.	old in a loon provide a strand a st

XF Column Data Type		Description		
keyDevld	int	The unique identifier of the key development that the transcript is associated with.		
mostImportantDateUTC	datetime	In most cases the mostimportantdateUTC will be the announced date (announcedDateUTC in the Events package); in the case of an event (such as earnings release, call or meeting) this field will reflect the date of that event. (UTC)		
delayReasonTypeld	tinyint	The unique identifier for the reason the transcript is delayed. For reference data, link to the <u>ciqTranscriptDelayReasonType</u> table.		
newDateUTC	datetime	Populated with a new date when the event has been postponed and a new time is known.		
delayReasonNotes	varchar	Notes describing the reason the transcript was delayed.		

ciqTranscriptSpeakerType table

The **ciqTranscriptSpeakerType** reference table provides information on the speakers.

ciqTranscriptSpeakerType				
PK	PK speakerTypeld			
speakerTypeName				

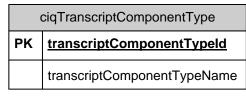
file: TranscriptSpeakerType.txt

Table 5. ciqTranscriptSpeakerType fields

XF Column	Data Type	Description
speakerTypeld	tinyint	The unique identifier for the speaker.
speakerTypeName	varchar	The description of the speaker type.

ciqTranscriptComponentType table

The **ciqTranscriptComponentType** reference table provides information on the transcript component.



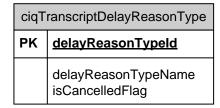
file: TranscriptComponentType.txt

Table 6.	ciqTranscriptComponentType.txt
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XF Column	Data Type	Description
transcriptComponentTypeId	tinyint	The unique identifier for the transcript component.
transcriptComponentTypeNam e	varchar	 The name of the transcript component. Examples include: Presentation Operator Message Presenter Speech Question Answer Presentation Section Question and Answer Section Question and Answer Operator Message Unknown Question and Answer Message

ciqTranscriptDelayReasonType table

The **ciqTranscriptDelayReasonType** reference table provides information for the transcript delay reason.



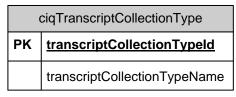
file: TranscriptDelayReasonType.txt

Table 7. ciqTranscriptDelayReasonType fields

XF Column	Data Type	Description
delayReasonTypeId	tinyint	The unique identifier for the reason the transcript is delayed.
delayReasonTypeName	varchar	The description for the reason the transcript was delayed.
isCancelledFlag	bit	Flag indicating whether the transcript/event was cancelled.

ciqTranscriptCollectionType table

The **ciqTranscriptCollectionType** reference table provides information for the transcript collection type.



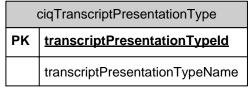
file: TranscriptCollectionType.txt

Table 8. ciqTranscriptCollectionType fields

XF Column	Data Type	Description
transcriptCollectionTypeId	int	The unique numerical identifier for a transcript collection type.
transcriptCollectionTypeName	varchar	 The description of the transcript collection type. Examples include: Proofed Copy Edited Copy SA Edited Copy Spellchecked Copy Audited Copy SA Spellchecked Copy SA Proofed Copy SA Audited Copy EV Copy

ciqTranscriptPresentationType table

The **ciqTranscriptPresentationType** reference table provides information for the transcript presentation type.



file: TranscriptPresentationType.txt

Table 9.	ciqTranscriptPresentationType fields
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XF Column	Data Type	Description
transcriptPresentationTypeId	tinyint	The unique numerical identifier for a transcript presentation type.
transcriptPresentationTypeNam e	varchar	The name of the transcript presentation type.

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Sample Queries

This section provides sample queries and solutions for the Transcripts data set. All sample queries use Microsoft[®] SQL Server[™] script.

Note: Sample queries are provided in order to demonstrate table relationships and business rules. Please feel free to optimize the queries for best performance based on your use case.

General linkage from Transcripts to Event to Company

SELECT t.keyDevId, t.transcriptId, t.transcriptCreationDateUTC, e.headline, comp.companyId, comp.companyName FROM ciqTranscript t (NOLOCK)

JOIN ciqEvent e (NOLOCK) ON e.keyDevId = t.keyDevId

- JOIN ciqEventToObjectToEventType ete (NOLOCK) ON ete.keyDevId = t.keyDevId
- JOIN ciqCompany comp (NOLOCK) ON comp.companyId = ete.objectId

WHERE comp.companyid='24937' -- Apple Inc.

		Transcript			
keyDevId	transcriptId	CreationDateUTC	headline	companyId	companyName
403179530	1060739	10/25/16 10:03 PM	Apple Inc., Q4 2016 Earnings Call, Oct 25, 2016	24937	Apple Inc.
403179530	1060825	10/25/16 11:18 PM	Apple Inc., Q4 2016 Earnings Call, Oct 25, 2016	24937	Apple Inc.
403179530	1060945	10/26/16 1:53 AM	Apple Inc., Q4 2016 Earnings Call, Oct 25, 2016	24937	Apple Inc.
403179530	1061372	10/26/16 2:27 PM	Apple Inc., Q4 2016 Earnings Call, Oct 25, 2016	24937	Apple Inc.
5652696	10157	7/22/08 12:40 AM	Apple Inc., Q3 2008 Earnings Call, Jul-21-2008	24937	Apple Inc.
109403692	67988	7/21/10 2:49 AM	Apple Inc., Q3 2010 Earnings Call, Jul-20-2010	24937	Apple Inc.
109403692	68015	7/21/10 7:31 AM	Apple Inc., Q3 2010 Earnings Call, Jul-20-2010	24937	Apple Inc.
109403692	68102	7/21/10 3:18 PM	Apple Inc., Q3 2010 Earnings Call, Jul-20-2010	24937	Apple Inc.
331334976	963492	4/26/16 10:03 PM	Apple Inc., Q2 2016 Earnings Call, Apr 26, 2016	24937	Apple Inc.
331334976	963620	4/27/16 12:10 AM	Apple Inc., Q2 2016 Earnings Call, Apr 26, 2016	24937	Apple Inc.
331334976	963696	4/27/16 2:46 AM	Apple Inc., Q2 2016 Earnings Call, Apr 26, 2016	24937	Apple Inc.
242316137	486628	7/23/13 9:57 PM	Apple Inc., Q3 2013 Earnings Call, Jul 23, 2013	24937	Apple Inc.
242316137	486717	7/24/13 12:56 AM	Apple Inc., Q3 2013 Earnings Call, Jul 23, 2013	24937	Apple Inc.
5925779	12873	10/22/08 12:05 AM	Apple Inc., Q4 2008 Earnings Call, Oct-21-2008	24937	Apple Inc.
			Apple Inc. Presents at Goldman Sachs Technology & Internet Conference 2013, Feb-12-		
227981668	414015	2/12/13 4:25 PM	2013 07:15 AM	24937	Apple Inc.
			Apple Inc. Presents at Goldman Sachs		
			Technology & Internet Conference 2013, Feb-12-		
227981668	414240	2/12/13 8:22 PM	2013 07:15 AM	24937	Apple Inc.

To query the latest transcript for an event

```
select *
from
(
select keydevid, max(transcriptID) latestTranscriptId
from ciqtranscript
where keyDevId = 1033670
group by keydevid
) a join
ciqTranscriptComponent b on a.latestTranscriptId = b.transcriptId
where a.keyDevId = 1033670
```

	latest	transcript			Transcript		
	Transcript	Component	transcript	component	Component	Transcript	
keydevid	Id	Id	ld	Order	Typeld	PersonId	componentText
							Ladies and gentlemen, thank you for standing by, and welcome to the Placer Dome Announces Peter Tomsett as President and Chief Executive Officer
							Conference Call. [Operator Instructions] As a reminder, this conference is
							being recorded today, Thursday, August 12, 2004. I'd like now to turn the
1033670	1002189	42264027	1002189	0	1	1	conference over to Mr. Jay Taylor. Please go ahead, sir.
1035070	1002189	42204027	1002189	0	1	1	Thank you, operator, and welcome folks on the line. We're going to keep this
							call pretty brief. We will not be conducting a question-and-answer period as
							part of this call. The our purpose of the call is just to take a few moments
							of your time to introduce the new President and CEO of Placer Dome. Let
							me turn the call over to Rob Franklin, Chairman of the Board of Placer Dome,
1033670	1002189	42264028	1002189	1	2	320939	to make some comments. Rob, would you take the microphone, please?
							Thank you, Jay. Ladies and gentlemen, you will have seen the announcement
							this morning naming Peter Tomsett as Placer Dome's incoming President and
							CEO. We're pleased to have reached the end of our search process; and
							particularly, where it if [ph] to conclude that we have a superb candidate
							already here at Placer Dome. As you may know, we established a
							subcommittee of the board, led by Graham Farquharson, that conducted a
							thorough search with the assistance of Egon Zehnder, an experienced
							international search firm. A number of qualified internal and external
							candidates were identified, and thorough review is conducted with all of
							them. We received an enthusiastic response from a number of targeted
							external candidates, which I think speaks volumes for the current state of
							the gold industry and how Placer Dome is viewed within the sector. We had
							identified a number of characteristics that we sought in a new leader,
1033670	1002189	42264029	1002189	2	2	320937	including strategic vision; global experience; integrity; and importantly,

	latest	transcript			Transcript		
	Transcript	Component	transcript	component	Component	Transcript	
keydevid	Id	Id	Id	Order	Typeld	PersonId	componentText
							consistency with our corporate culture of safety, sustainability and
							collaboration. We have a unanimous opinion within the board and with the
							search firm that aided us that Peter best demonstrated the competencies
							and leadership characteristics we sought. So it is an exciting day for the
							company and this board. We look forward to working with Peter and
							supporting him as he takes Placer Dome forward. The company has been
							performing very well lately, so Peter is in the enviable situation of taking
							over the company on the right track. Much of the credit for getting Placer
							Dome to this current position goes to Jay, and he deserves our recognition.
							As announced, Jay will be leaving the company as President and CEO on
							September 15. And we're delighted that he's agreed to stay on through
							March of next year as a consultant to Peter and others to ensure a smooth
							transition as smooth a transition as possible and to act as a resource for
							Peter. So thank you for your patience during this process. Company
							leadership is a critical decision of the board, and we certainly feel the time
							was well spent in the best interest of our shareholders. I think Jay wants to
			-				say a few words, so I will turn the mic over to him now. Well, thanks again, Robert. I really just want to add my congratulations to
							Peter. I think the board has made an excellent choice. His leadership within
							the Australian and African regions has resulted in these areas being key
							regions of growth for this company. I've had the pleasure of working closely
							with Peter since I became CEO, and he has continually impressed me with his
							business judgment. He's a team builder and gets the best out of those that
							work with him. The company will benefit as he brings his skills to the top job.
							He has lots of energy and ideas, and you need that to run a global company
							like Placer Dome. So Peter, we know you will be successful, and I look
1033670	1002189	42264030	1002189	3	2	320939	forward to assisting you through the next months as you require.
							Thanks, Jay. Thanks, Rob. And hello to everyone on the phone. I've got the
							benefit of knowing many of you, so hopefully, you'll go easy on me in the
							early days. It's really exciting to able to talk to you today as an incoming
							CEO of Placer Dome as I'm stepping into Jay's shoes at a great time. The
							company has been performing strongly, has received the successes from the
							strategy that Jay drove and put in place. So I come to the job with a wind a
							bit of wind at my back with a company that is well positioned for an exciting
							future. The operating assets have been hitting their targets, and we're
							completing a number of expansions, having success with exploration
							advancing our development projects. The challenge is to make Placer Dome
							a higher-quality, higher-performing and more successful company, which is a
1033670	1002189	42264031	1002189	4	2	320936	challenge that I'd take on, however, knowing that Placer Dome has capable

keydevid	latest Transcript Id	transcript Component Id	transcript Id	component Order	Transcript Component Typeld	Transcript PersonId	componentText people throughout the organization and particularly talented colleagues I've been working with for a number of years at the executive level. As for near- term plans and priorities, I'm sure you will not be surprised that I'll be focused on Placer Dome's preplanned operations for the next number of weeks. While I know parts of the organization intimately, there are regions and mines I need to get to see to meet people and to understand their opportunities and challenges. There are a number of corporate issues I need to sit down with management team and staff to get my head around, too. After having a chance to get up to speed on the company, I look forward to getting out to meet with the analyst community and our principal shareholders throughout the next few months. That should provide an opportunity to go into some detail on my thoughts for the company at that time. Finally, I'd like to thank Rob, Jay and the Placer Dome board for their confidence in me, and I look forward to getting on with the business. With those comments, I'd like to thank you all for calling in to listen and thank you for your continued support for Placer Dome as we transition the leadership of the company from Jay to myself. I look forward to calls and events in the future, where I can enter into some more meaningful dialogue with you all.
							future, where I can enter into some more meaningful dialogue with you all. But I appreciate you'll give me a couple of minutes I appreciate you giving me a couple of minutes to say a few words and introduce myself. Thanks for now.
1033670	1002189	42264032	1002189	5	2	320939	All right. Well, operator, are you back online? Operator?
1033670 1033670	1002189 1002189	42264033 42264034	1002189 1002189	6	1	1 320939	Yes. Well, that concludes our remarks for this call, and we will not be having Q&A, as discussed. So with that, thank you all for being on the line, and we'll conclude the call now effectively.
1033670	1002189	42264035	1002189	8	1	1	Ladies and gentlemen, that does conclude our conference call for today. We thank you for your participation and ask that you please disconnect your lines. Thank you, and have a good day.

Find all earnings calls where Tim Cook answered a question For Apple Inc. using the word "acquisition"

```
SELECT p.transcriptpersonname, e.headline, tc.componenttext
FROM cigTranscript t (NOLOCK)
      JOIN ciqTranscriptCollectionType tct (NOLOCK) ON tct.transcriptCollectionTypeId =
t.transcriptCollectionTypeId
       JOIN cigTranscriptPresentationType tpt (NOLOCK) ON tpt.transcriptPresentationTypeId =
t.transcriptPresentationTypeId
       JOIN ciqTranscriptComponent tc (NOLOCK) ON tc.transcriptid = t.transcriptId
       JOIN ciqTranscriptComponentType tcty (NOLOCK) ON
tcty.transcriptcomponenttypeid=tc.transcriptComponentTypeId
       JOIN cigTranscriptPerson p (NOLOCK) ON p.transcriptpersonid = tc.transcriptpersonid
       JOIN ciqEvent e (NOLOCK) ON e.keyDevId = t.keyDevId
       JOIN ciqEventToObjectToEventType ete (NOLOCK) ON ete.keyDevId = t.keyDevId
       JOIN cigCompany comp (NOLOCK) ON comp.companyId = ete.objectId
      JOIN ciqEventType et (NOLOCK) ON et.keyDevEventTypeId = ete.keyDevEventTypeId
WHERE 1=1
      AND et.keyDevEventTypeId='48' --Earnings Calls
      AND t.transcriptPresentationTypeId='5' --Final
      AND tct.transcriptCollectionTypeId='1' -- Proofed Copy
      AND tcty.transcriptcomponentTypeId='4' --Answer
      AND comp.companyid='24937' -- Apple Inc.
      AND p.proid='169601' -- Timothy Cook
      AND tc.componenttext like '%acquisition%'
```

transcriptpersonname	headline	componenttext
		We are open to acquisitions of any size that are of strategic value, where we can deliver better
	Apple Inc., Q4	products to our customers and innovate more. And so we look at a whole variety of companies,
	2016 Earnings	and based on that, we choose whether to move forward or not. But we're definitely open, and we
Timothy Cook	Call, Oct 25, 2016	definitely look.

transcriptpersonname	headline	componenttext
		Well, I think we have a lot of really great people, Ben, and I think we have the capability. As I've
		said before, I think we have the capability to acquire a sizable company and manage it. And
		relative to IBM, I feel the same way. I think you can only do so many partnerships well. And so it's
		unusual that we enter into a partnership. But in this particular case, I think arguably, the
		companies are so complementary. And I've gotten to know Ginni fairly well over the last couple of
		years, and I think we see the importance of the customer a lot of the same way, and both feel that
		mobile and enterprise is just an enormous opportunity. And we're not competing with each other.
		And so I think a partnership in that case is particularly great. Would we do more of either of the
		things we did? We're always looking in the acquisition space, but we don't let the – let our money
		burn a hole in our pocket, and we don't do things that aren't strategic. And so with Beats, we felt
		we were getting a incredible subscription service, a very rare set of talent that we think can do
		great things in Apple and access to a very fast-growing business in their headphone and earphone
		space. And so and culturally, we felt there was a match, and music has been deeply embedded
		in Apple's DNA for many, many years. And so it was a great marriage, and I think the partnership
		with IBM is a great marriage as well. If more like that presented themselves or then I think we
		can manage more things. I think we have a very, very strong executive team and can do that. But
	Apple Inc., Q3	it's not my goal to acquire a certain number of companies or spend a certain amount of money.
	•••	
Timethy Cook	2014 Earnings	We want to do things that help us make great products and are great for our customers and so
Timothy Cook	Call, Jul 22, 2014	forth. And so that's how

transcriptpersonname	headline	componenttext
		Yes. Katy, I am optimistic, given what I'm hearing, that there would likely be some sort of tax
		reform this year, and it does seem like there's people in both parties that would favor repatriation
		as a part of that. So I think that's very good for the country and good for Apple. What we would do
		with it, let's wait and see exactly what it is. But as I said before, we are always looking at
		acquisitions. We acquired 15 to 20 companies per year for the last 4 years, and we look for
		companies of all sizes. And there's not a size that we would not do based on just the size of it. It's
		more about the strategic value of it. In terms of original content, we put our toe on the water
		we have put our toe on the water with doing some original content for Apple Music, and that will
		be rolling out through the year. We are learning from that, and we'll go from there. The way that
		we participate in the sort of the changes that are going on in the media industry that I fully expect
		to accelerate from sort of the cable bundle beginning to break down is, one, we started the new
		Apple TV a year ago, and we're pleased with how that platform has come along. We have more
		things planned for it. But it's come a long way in a year, and it gives us a clearer platform to build
		off of. Two, embedded in the 150 million paid subscriptions that I mentioned in my opening
		comments, there are a number of third-party services that are a part that where we participate
	Apple Inc., Q1	economically in some of that by offering our platform and selling and distributing. And then
	2017 Earnings	thirdly, we are obviously with our toe on the water, we're learning a lot about the original
Timothy Cook	Call, Jan 31, 2017	content business and thinking about ways that we could play at that.

transcriptpersonname	headline	componenttext
		The key thing that for us, Steve, is to stay focused on things that we can do best and that we can
		perform at a really high level of quality that our customers have come to expect. And so we
		currently feel comfortable in expanding the number of things we're working on. And so we've
		been doing that in the background. And we're not ready yet to pull the string on the curtain. But
		we've got some great things there that we're working on, that I'm very, very proud of and very,
		very excited about. But for us, we care about every detail. And when you care about every detail
		and getting it right, it takes a bit longer to do that. And it's and that's always been the case.
		That's not something that just occurred. We as you probably know from following us for a long
		time, we didn't ship the first MP3 player, nor the first smartphone, nor the first tablet. In fact,
		there were tablets being shipped a decade or so before then. But arguably, we shipped the first
		successful modern tablet, the first successful modern smartphone and the first successful modern
		MP3 player. And so it means much more to us to get it right than to be first. And I think you can
		see so many examples out in the marketplace where it's clear that the objective has been to be
		first, but customers at the end of the day don't care about that or that's not what they look for
		from Apple. They want great, insanely great, and that's what we want to deliver. And so that's the
		way we look at it. And from an acquisition point of view, we have done 24 in 18 months. We're
		that shows that we're on the prowl, I suppose you could say. We look for companies that have
		great people and great technology and that fit culturally. And we don't have a rule that says we
		can't spend a lot or whatever. We'll spend what we think is a fair price. What's important to us is
		that strategically, it makes sense and that it winds up adding value to our shareholders over the
		long haul. We are not in a race to spend the most or acquire the most. We're in a race to make the
		world's best products that really enrich people's lives. And so to the tune that acquisitions can
	Apple Inc., Q2	help us do that, and they've done that and continue to do that, then we will acquire. And so you
	2014 Earnings	can bet that we will you will continue to see acquisitions, and some of which we'll try to keep
Timothy Cook	Call, Apr 23, 2014	quiet, and some of which seems to be impossible to keep quiet.

transcriptpersonname	headline	componenttext
		Yes, there's a lot of moving parts, a lot of acquisitions, a lot of people giving up, to some degree,
		and deciding to do other things. And so but at the end of the day, we see it much like we've
		always seen it as. The part of the market that we're interested in is the market of people that
		really want the best smartphones, and that doesn't mean that they're all at the high end of the
		price band. I mean, we have smartphones that go down to a very affordable price for the 4s
		because we're proud to ship that product. I think that this quarter, if you were unsure, hopefully,
		this quarter demonstrates to you that we can do well in a number of geographies, from emerging
		markets to developed markets. Some of the numbers that we've experienced, just to quote some
		of the more historic prepaid markets, through the first half of '14, Brazil was up 61%; Russia was
		up 97%; Turkey was up 56%; India was up 55%; Vietnam was up 262%. I could go on. But the point
		is that there's a number of markets out there where we are beginning to really catch on to a
		number of customers. And I am particularly proud of the results in these markets because these
		have not been historic strong points for Apple. We've been working at China for a while and have
	Apple Inc., Q2	learned a lot, and I'm very proud of what we've done there. But I think some of these other
	2014 Earnings	numbers I just read demonstrates that we're beginning to have really nice success outside of there
Timothy Cook	Call, Apr 23, 2014	as well.
		I think, Andy, it's Tim, I think that's a better question for them but what I see without talking
		about specific ones, I see them making more investments in order to have faster networks, and
		see them being very happy about driving higher ARPUs and lower churn. This changes their cost of
	Apple Inc., Q3	customer acquisition if they're not out churning people left and right, and so I think they will
	2009 Earnings	continue to make investments to deliver services that people really enjoy, which is faster
Timothy Cook	Call, Jul-21-2009	networks.
		I think, Andy, it's Tim, I think that's a better question for them but what I see without talking
		about specific ones, I see them making more investments in order to have faster networks, and
		see them being very happy about driving higher ARPUs and lower churn. This changes their cost of
	Apple Inc., Q3	customer acquisition if they're not out churning people left and right, and so I think they will
	2009 Earnings	continue to make investments to deliver services that people really enjoy, which is faster
Timothy Cook	Call, Jul-21-2009	networks.

```
Mentions of "weather" during earnings calls for Macys/Nordstrom/J.C. Penney
SELECT comp.companyid, comp.companyname, COUNT (DISTINCT t.keydevid) as COUNT,
YEAR (mostImportantDateUTC) as YEAR
FROM cigTranscript t (NOLOCK)
       JOIN cigTranscriptCollectionType tct (NOLOCK) ON tct.transcriptCollectionTypeId =
t.transcriptCollectionTypeId
       JOIN cigTranscriptPresentationType tpt (NOLOCK) ON tpt.transcriptPresentationTypeId =
t.transcriptPresentationTypeId
       JOIN ciqTranscriptComponent tc (NOLOCK) ON tc.transcriptid = t.transcriptId
       JOIN ciqTranscriptComponentType tcty (NOLOCK) ON
tcty.transcriptcomponenttypeid=tc.transcriptComponentTypeId
       JOIN cigTranscriptPerson p (NOLOCK) ON p.transcriptpersonid = tc.transcriptpersonid
       JOIN ciqEvent e (NOLOCK) ON e.keyDevId = t.keyDevId
       JOIN cigEventToObjectToEventType ete (NOLOCK) ON ete.keyDevId = t.keyDevId
       JOIN ciqEventType et (NOLOCK) ON et.keyDevEventTypeId = ete.keyDevEventTypeId
       JOIN ciqCompany comp (NOLOCK) ON comp.companyId = ete.objectId
WHERE 1=1
       AND et.keyDevEventTypeId='48' --Earnings Calls
       AND t.transcriptPresentationTypeId='5' --Final
       AND tct.transcriptCollectionTypeId='1' --Proofed Copy
       AND tcty.transcriptcomponentTypeId='2' --Presenters Speach
       AND comp.companyid in ('318091', '32215', '295624')
       AND tc.componenttext like '%weather%'
GROUP BY comp.companyid, comp.companyname, YEAR (mostImportantDateUTC)
```

ORDER BY comp.companyname, YEAR (mostImportantDateUTC) DESC

companyid	companyname	COUNT	YEAR
295624	J. C. Penney Company, Inc.	4	2016
295624	J. C. Penney Company, Inc.	1	2015
295624	J. C. Penney Company, Inc.	2	2014
295624	J. C. Penney Company, Inc.	1	2013
295624	J. C. Penney Company, Inc.	2	2012
295624	J. C. Penney Company, Inc.	1	2011
295624	J. C. Penney Company, Inc.	2	2010
318091	Macy's, Inc.	4	2016
318091	Macy's, Inc.	3	2015
318091	Macy's, Inc.	2	2014
318091	Macy's, Inc.	4	2013
318091	Macy's, Inc.	2	2012
318091	Macy's, Inc.	2	2011
318091	Macy's, Inc.	1	2010
318091	Macy's, Inc.	1	2009
32215	Nordstrom, Inc.	1	2010

Aggregate count of mentions of "weather" during earnings calls for the S&P 500 Retail Composite by year

```
SELECT
       COUNT (DISTINCT t.keydevid) as COUNT, YEAR (mostImportantDateUTC) as YEAR
FROM cigTranscript t (NOLOCK)
       JOIN cigTranscriptCollectionType tct (NOLOCK) ON tct.transcriptCollectionTypeId =
t.transcriptCollectionTypeId
       JOIN ciqTranscriptComponent tc (NOLOCK) ON tc.transcriptid = t.transcriptId
       JOIN cigTranscriptPerson p (NOLOCK) ON p.transcriptpersonid = tc.transcriptpersonid
       JOIN ciqEvent e (NOLOCK) ON e.keyDevId = t.keyDevId
       JOIN ciqEventToObjectToEventType ete (NOLOCK) ON ete.keyDevId = t.keyDevId
       JOIN cigCompany comp (NOLOCK) ON comp.companyId = ete.objectId
       JOIN cigSecurity s (NOLOCK) ON s.companyid=comp.companyid AND s.primaryFlag='1'
       JOIN ciqConstituent cc (NOLOCK) ON cc.securityid=s.securityid
       JOIN cigIndexConstituent cic (NOLOCK) ON cic.constituentid=cc.constituentid and cic.todate is
NULL -- current constituent
       JOIN cigIndex ci (NOLOCK) ON ci.indexid=cic.indexid
WHERE 1=1
       AND ete.keyDevEventTypeId='48' --Earnings Calls
       AND t.transcriptPresentationTypeId='5' --Final
       AND tct.transcriptCollectionTypeId='1' -- Proofed Copy
       AND tc.transcriptcomponentTypeId='2' --Presenters Speach
       AND ci.indexid=5466717--S&P 500 Retail Composite
       AND tc.componenttext like '%weather%'
GROUP BY YEAR (mostImportantDateUTC)
```

ORDER BY YEAR (mostImportantDateUTC) DESC

COUNT	YEAR
31	2017
49	2016
38	2015
63	2014
52	2013
51	2012
46	2011
29	2010
10	2009

Aggregate count of distinct analysts who asked a question during each of Apple's Q4 earnings calls

```
SELECT comp.companyid, COUNT (DISTINCT p.transcriptpersonid) as AnalystCount, SUBSTRING (headline,
CHARINDEX ('Earnings Call', headline) - 8, 7) AS QuarterFiscalYear
       FROM cigTranscript t (NOLOCK)
       JOIN cigTranscriptCollectionType tct (NOLOCK) ON tct.transcriptCollectionTypeId =
t.transcriptCollectionTypeId
       JOIN cigTranscriptPresentationType tpt (NOLOCK) ON tpt.transcriptPresentationTypeId =
t.transcriptPresentationTypeId
       JOIN ciqTranscriptComponent tc (NOLOCK) ON tc.transcriptid = t.transcriptId
       JOIN ciqTranscriptComponentType tcty (NOLOCK) ON
tcty.transcriptcomponenttypeid=tc.transcriptComponentTypeId
       JOIN cigTranscriptPerson p (NOLOCK) ON p.transcriptpersonid = tc.transcriptpersonid
       JOIN ciqEvent e (NOLOCK) ON e.keyDevId = t.keyDevId
       JOIN ciqEventToObjectToEventType ete (NOLOCK) ON ete.keyDevId = t.keyDevId
       JOIN cigCompany comp (NOLOCK) ON comp.companyId = ete.objectId
       JOIN cigEventType et (NOLOCK) ON et.keyDevEventTypeId = ete.keyDevEventTypeId
WHERE 1=1
      AND et.keyDevEventTypeId='48' --Earnings Calls
      AND t.transcriptPresentationTypeId='5' --Final
      AND tct.transcriptCollectionTypeId='1' -- Proofed Copy
      AND p.speakerTypeId='3' --Analyst
      AND tcty.transcriptcomponentTypeId='3' --Question
      AND e.headline like '%Q4%'
      AND comp.companyid='24937' -- Apple Inc.
```

GROUP BY comp.companyid,SUBSTRING(headline, CHARINDEX('Earnings Call', headline) - 8, 7)
ORDER BY comp.companyid, SUBSTRING(headline, CHARINDEX('Earnings Call', headline) - 8, 7) DESC

companyid	AnalystCount	QuarterFiscalYear
24937	9	Q4 2016
24937	8	Q4 2015
24937	8	Q4 2014
24937	9	Q4 2013
24937	14	Q4 2012
24937	12	Q4 2011
24937	9	Q4 2010
24937	15	Q4 2009

Find S&P 500 company earnings calls where a Goldman Sachs analyst asked a question

```
SELECT DISTINCT c.companyId 'CIQCompanyID'
    , c.companyName 'CIQCompanyName'
      ,t.keyDevId as 'KeyDevId'
      ,e.headline AS 'EventHeadline'
      , ISNULL((p.firstName + ' ' + p.middleName + ' ' + p.lastName), tp.transcriptPersonName) AS
'NameOfPerson'
      ,pr.title AS 'TitleOfPerson'
      , ISNULL (comp.companyName, tp.companyName) AS 'CompanyOfPerson'
FROM ciqIndexProvider ip (NOLOCK)
      JOIN ciqIndex i (NOLOCK)
            ON i.indexProviderID = ip.indexProviderID
      JOIN cigIndexConstituent ic (NOLOCK)
            ON ic.indexID = i.indexID
      JOIN cigTradingItem ti (NOLOCK)
            ON ti.tradingItemId = ic.tradingItemID
      JOIN ciqSecurity s (NOLOCK)
            ON s.securityId = ti.securityId
      JOIN ciqCompany c (NOLOCK)
            ON c.companyId = s.companyId
      JOIN cigEventToObjectToEventType ete (NOLOCK)
            ON c.companyid = ete.objectid
      JOIN cigTranscript t (NOLOCK)
            ON ete.keyDevId = t.keyDevId
      JOIN cigEvent e (NOLOCK)
            ON e.keyDevId = t.keyDevId
      JOIN cigEventType et (NOLOCK)
            ON et.keyDevEventTypeId = ete.keyDevEventTypeId
      JOIN cigTranscriptCollectionType tct (NOLOCK)
            ON tct.transcriptCollectionTypeId = t.transcriptCollectionTypeId
      JOIN cigTranscriptPresentationType tpt (NOLOCK)
            ON tpt.transcriptPresentationTypeId = t.transcriptPresentationTypeId
      JOIN cigEventCallBasicInfo ecb (NOLOCK)
            ON ecb.keyDevId = t.keyDevId
      JOIN cigTranscriptComponent tc (NOLOCK)
            ON t.transcriptId = tc.transcriptId
      JOIN cigTranscriptPerson tp (NOLOCK)
            ON tc.transcriptPersonId = tp.transcriptPersonId
      JOIN cigTranscriptSpeakerType tst (NOLOCK)
            ON tst.speakerTypeId = tp.speakerTypeId
```

```
LEFT OUTER JOIN ciqProfessional pr (NOLOCK)
JOIN ciqPerson p (NOLOCK)
ON pr.personId = p.personId
JOIN ciqCompany comp (NOLOCK)
ON pr.companyId = comp.companyId
ON tp.proId = pr.proId
WHERE ip.indexProviderID = 9 -- Standard and Poor's US
AND i.indexID = 2668699 -- S&P 500
AND (GETDATE()-1) BETWEEN (ic.fromDate) AND (ISNULL(ic.toDate,GETDATE()))
AND et.keyDevEventTypeId = 48 -- Earnings Call
AND t.transcriptCollectionTypeId = 1 -- Proofed Copy
AND tc.transcriptCollectionTypeId = 3 -- Question
AND tp.speakerTypeId = 3 -- Analyst
AND ISNULL(comp.companyName, tp.companyName) like '%Goldman%Sachs%'
ORDER BY t.keyDevId
```

CIQ	CIQ					
CompanyID	CompanyName	KeyDevld	EventHeadline	NameOfPerson	TitleOfPerson	CompanyOfPerson
			Humana Inc., Q3 2009			
			Earnings Call, Nov-02-			
29618	Humana Inc.	5151146	2009	Matthew Borsch	NULL	Goldman Sachs
			Humana Inc., Q2 2009			
			Earnings Call, Aug-03-	Matthew	Investment Research	Goldman Sachs Group Inc.,
29618	Humana Inc.	5151148	2009	Richard Borsch	Analyst	Research Division
			Humana Inc., Q2 2010			
			Earnings Call, Aug-02-			Goldman Sachs Group Inc.,
29618	Humana Inc.	5425204	2010	Daryn Miller	Research Analyst	Research Division
			Humana Inc., Q3 2010			
			Earnings Call, Nov 01,	Matthew	Investment Research	Goldman Sachs Group Inc.,
29618	Humana Inc.	5425205	2010	Richard Borsch	Analyst	Research Division
			Humana Inc., Q4 2009			
			Earnings Call, Feb-01-	Matthew	Investment Research	Goldman Sachs Group Inc.,
29618	Humana Inc.	5425215	2010	Richard Borsch	Analyst	Research Division
			Humana Inc., Q1 2010			
			Earnings Call, Apr-26-	Matthew	Investment Research	Goldman Sachs Group Inc.,
29618	Humana Inc.	5425217	2010	Richard Borsch	Analyst	Research Division
	Eli Lilly and		Eli Lilly & Co., Q2 2009			Goldman Sachs Group Inc.,
285467	Company	5941523	Earnings Call, Jul-22-2009	Jamilu E. Rubin	Equity Analyst	Research Division

CIQ	CIQ					
CompanyID	CompanyName	KeyDevld	EventHeadline	NameOfPerson	TitleOfPerson	CompanyOfPerson
			Equity Residential, Q4	Jonathan		
20200		5050504	2008 Earnings Call, Feb-	Brewster		Goldman Sachs Group Inc.,
28209	Equity Residential	5968681	05-2009	Habermann	Analyst	Research Division
			QUALCOMM Inc., Q4	Simona Stefan	Former MD & Senior	
22402	QUALCOMM	5005406	2009 Earnings Call, Nov-	Kiritsov	Equity Research	Goldman Sachs Group Inc.,
33493	Incorporated	5995126	04-2009	Jankowski	Analyst	Research Division
			Deere & Co., Q3 2009			
			Earnings Call, Aug-19-	Jerry David		Goldman Sachs Group Inc.,
266112	Deere & Company	6035797	2009	Revich	Vice President	Research Division
			Adobe Systems Inc., Q4			
	Adobe Systems		2009 Earnings Call, Dec-			Goldman Sachs Group Inc.,
24321	Incorporated	6040969	15-2009	Sarah Friar	Analyst	Research Division
			Adobe Systems Inc., Q3			
24224	Adobe Systems	6040070	2009 Earnings Call, Sep-	C 1 5 .		Goldman Sachs Group Inc.,
24321	Incorporated	6040972	15-2009	Sarah Friar	Analyst	Research Division
			Amgen Inc., Q4 2008			
24046		6040450	Earnings Call, Jan-26-			Goldman Sachs Group Inc.,
24816	Amgen Inc.	6048153	2009	May-Kin Ho	Research Analyst	Research Division
			WellPoint Inc., Q3 2009			
4 6 9 9 7 7		6004425	Earnings Call, Oct-28-			
160077	Anthem, Inc.	6081425	2009	Matthew Borsch	NULL	Goldman Sachs
	Verizon		Verizon Communications			California Casha Casua Inc
415798	Communications	6095981	Inc., Q4 2008 Earnings	lacan Armstrong	Applyst	Goldman Sachs Group Inc., Research Division
415798	Inc.	0095981	Call, Jan-27-2009	Jason Armstrong	Analyst	
	The Estée Lauder		Estee Lauder Companies			Goldman Sachs Group Inc.,
207221		6102615	Inc., Q1 2010 Earnings	Androw Countor	Applyst	• •
207221	Companies Inc.	6102615	Call, Oct-30-2009	Andrew Sawyer	Analyst	Research Division
	The Estée Lauder		Estee Lauder Companies			Coldman Sachs Crown Inc
207221	Companies Inc.	6102619	Inc., Q3 2010 Earnings Call, Apr-27-2010	Andrew Sawyer	Analyst	Goldman Sachs Group Inc., Research Division
207221		0102019	Weyerhaeuser Co., Q3	Anurew Sawyer	Andiyst	
	Weyerhaeuser		2009 Earnings Call, Oct-	Richard		Goldman Sachs Group Inc.,
107633		6111399	30-2009	Skidmore	Vice-President	Research Division
101022	Company	0111222	30-2009	skunnore	vice-President	

CIQ	CIQ					
CompanyID	CompanyName	KeyDevld	EventHeadline	NameOfPerson	TitleOfPerson	CompanyOfPerson
			General Dynamics Corp.,			
	General Dynamics		Q3 2009 Earnings Call,			
274561	Corporation	6115034	Oct-28-2009	Noah Poponak	NULL	Goldman Sachs
			Marriott International,			
	Marriott		Inc., Q4 2008 Earnings		Managing Director	Goldman Sachs Group Inc.,
31148	International, Inc.	6122928	Call, Feb-12-2009	Steven Eric Kent	and Equity Analyst	Research Division
			Macerich Co., Q4 2008	Jonathan		
	Macerich		Earnings Call, Feb-11-	Brewster		Goldman Sachs Group Inc.,
332172	Company	6123707	2009	Habermann	Analyst	Research Division
			Occidental Petroleum		Co-Director of	
	Occidental		Corporation, Q4 2008		Americas Equity	
	Petroleum		Earnings Call, Jan-29-	Arjun Narayana	Research and Equity	Goldman Sachs Group Inc.,
293286	Corporation	6141146	2009	Murti	Research Analyst	Research Division
					Managing Director,	
					Co-Head of the GIR	
			Hershey Co., Q4 2008		Asian Professionals	
	The Hershey		Earnings Call, Jan-27-		Network, and Senior	Goldman Sachs Group Inc.,
98873	Company	6147024	2009	Judy Hong	Analyst	Research Division
					Managing Director,	
					Co-Head of the GIR	
			Altria Group Inc., Q4		Asian Professionals	
			2008 Earnings Call, Jan-		Network, and Senior	Goldman Sachs Group Inc.,
296308	Altria Group, Inc.	6149607	29-2009	Judy Hong	Analyst	Research Division
			Kimberly-Clark			
			Corporation, Q3 2009			
	Kimberly-Clark		Earnings Call, Oct-22-			Goldman Sachs Group Inc.,
283857	Corporation	6178556	2009	Andrew Sawyer	Analyst	Research Division
			Texas Instruments Inc.,			
	Texas Instruments		Q2 2009 Earnings Call,	James Vincent	Director of United	Goldman Sachs Group Inc.,
140283	Incorporated	6180098	Jul-20-2009	Covello	States Equity Research	Research Division
			Amphenol Corporation,			
	Amphenol		Q3 2009 Earnings Call,	Craig Matthew		Goldman Sachs Group Inc.,
24827	Corporation	6181215	Oct-15-2009	Hettenbach	Research Analyst	Research Division

CIQ	CIQ	* 5 11	F III			0 010
CompanyID	CompanyName	KeyDevld	EventHeadline	NameOfPerson	TitleOfPerson	CompanyOfPerson
			Albemarle Corp., Q1			
10674	Albemarle	6274622	2009 Earnings Call, Apr	Robert Andrew		Goldman Sachs Group Inc.,
18671	Corporation	6274632	28, 2009	Koort	Managing Director	Research Division
			Carnival Corp., Q1 2009			
	Carnival		Earnings Call, Mar-24-		Managing Director	Goldman Sachs Group Inc.,
258823	Corporation	6305563	2009	Steven Eric Kent	and Equity Analyst	Research Division
			PPG Industries Inc., Q1			
	PPG Industries,		2009 Earnings Call, Apr-	Robert Andrew		Goldman Sachs Group Inc.,
294639	Inc.	6318644	16-2009	Koort	Managing Director	Research Division
			Regency Centers			
			Corporation, Q2 2009			
	Regency Centers		Earnings Call, Aug-06-			
816889	Corporation	6345055	2009	Jehan Mahmood	NULL	Goldman Sachs
			Essex Property Trust Inc.,	Jonathan		
	Essex Property		Q1 2009 Earnings Call,	Brewster		Goldman Sachs Group Inc.,
332646	Trust, Inc.	6350632	Apr-30-2009	Habermann	Analyst	Research Division
			Vertex Pharmaceuticals			
	Vertex		Incorporated, Q1 2009			
	Pharmaceuticals		Earnings Call, Apr-16-			Goldman Sachs Group Inc.,
36235	Incorporated	6352596	2009	Davis Bu	Research Analyst	Research Division
	Envision		AmSurg Corp., Q1 2009			
	Healthcare		Earnings Call, Apr-23-	Shelley Gnall-		Goldman Sachs Group Inc.,
387568	Corporation	6352789	2009	Sazenski	Research Analyst	Research Division
			Universal Health Services			
	Universal Health		Inc., Q1 2009 Earnings	Shelley Gnall-		Goldman Sachs Group Inc.,
36040	Services, Inc.	6366834	Call, Apr-28-2009	Sazenski	Research Analyst	Research Division
	Alexion		Alexion Pharmaceuticals,			
	Pharmaceuticals,		Inc., Q1 2009 Earnings			Goldman Sachs Group Inc.,
347983	Inc.	6367290	Call, Apr 23, 2009	Jessica Li	Research Analyst	Research Division
			BlackRock, Inc., Q1 2009			
			Earnings Call, Apr-21-			Goldman Sachs Group Inc.,
403413	BlackRock, Inc.	6381736	2009	Marc S. Irizarry	Equity Analyst	Research Division

Full-Text Index script against the ciqTranscriptComponent table and ComponentText column

To assist our SQL Server clients, we have created a sample Full-Text Index script against the ciqTranscriptComponent table and ComponentText column which assists in improving query performance (speed of queries improved ~9x based on our testing). The ComponentText column within the ciqTranscriptComponent table is a SQL nvarchar(max) datatype that contains large strings of text. Using the LIKE predicate in the WHERE clause against this column results in slow query speeds. With Full-Text Indexing, users are able to use the CONTAINS predicate which utilizes the Full-Text Indexed columns thus improving query speed.

Microsoft Document surrounding the creation of FULLTEXT Indexes.

https://docs.microsoft.com/en-us/sql/t-sql/statements/create-fulltext-index-transact-sql

Microsoft Document surrounding the use of CONTAINS.

• https://docs.microsoft.com/en-us/sql/t-sql/queries/contains-transact-sql

```
USE [Transcripts]([or your Target DB name])
GO
/***** Object: Index [pk cigTranscriptComponent] *****/
IF NOT EXISTS (SELECT * FROM sys.indexes WHERE object id = OBJECT ID(N'[dbo].[ciqTranscriptComponent]') AND name =
N'pk ciqTranscriptComponent')
ALTER TABLE [dbo].[cigTranscriptComponent] ADD CONSTRAINT [pk cigTranscriptComponent] PRIMARY KEY CLUSTERED
(
      [transcriptComponentId] ASC
)WITH (PAD INDEX = OFF, STATISTICS NORECOMPUTE = OFF, SORT IN TEMPDB = OFF, IGNORE DUP KEY = OFF, ONLINE = OFF,
ALLOW ROW LOCKS = ON, ALLOW PAGE LOCKS = ON) ON [PRIMARY]
GO
/***** Object: FullTextCatalog [Transcripts FullTextCatalog] ******/
IF EXISTS (SELECT * FROM sys.fulltext indexes fti WHERE fti.object id = OBJECT ID(N'[dbo].[cigTranscriptComponent]'))
ALTER FULLTEXT INDEX ON [dbo].[ciqTranscriptComponent] DISABLE
GO
/***** Object: FullTextIndex Script Date: 09/05/2017 14:52:41 *****/
IF EXISTS (SELECT * FROM sys.fulltext indexes fti WHERE fti.object id = OBJECT ID(N'[dbo].[cigTranscriptComponent]'))
DROP FULLTEXT INDEX ON [dbo].[ciqTranscriptComponent]
GO
IF EXISTS (SELECT * FROM sysfulltextcatalogs ftc WHERE ftc.name = N'Transcripts FullTextCatalog')
DROP FULLTEXT CATALOG [Transcripts FullTextCatalog]
GO
/***** Object: FullTextCatalog [Transcripts FullTextCatalog]
                                                               *****/
CREATE FULLTEXT CATALOG [Transcripts FullTextCatalog]WITH ACCENT SENSITIVITY = OFF
AUTHORIZATION [dbo]
GO
/***** Object: FullText Index on [dbo].[ciqTranscriptComponent] *****/
CREATE FULLTEXT INDEX ON [dbo].[cigTranscriptComponent] KEY INDEX [pk cigTranscriptComponent] ON
([Transcripts FullTextCatalog]) WITH (CHANGE TRACKING AUTO)
GO
ALTER FULLTEXT INDEX ON [dbo].[cigTranscriptComponent] ADD ([componentText])
GO
ALTER FULLTEXT INDEX ON [dbo].[ciqTranscriptComponent] ENABLE
GO
```

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Revision History

The changes made to this document include the following:

Version	Date	Changes
1.0	08/23/2017	Initial version
1.1	09/07/2017	Added sample query titled Full-Text Index script against the ciqTranscriptComponent table and ComponentText column
1.2	09/13/2017	Removed references to XFL_V5.dbo from the sample queries
1.3	9/15/2017	Added a new field "audioLengthSec" to the ciqTranscript table
1.4	10/18/2017	Updated examples of transcriptionCollectionTypeNames
1.5	10/25/2017	Added sample query titled "To query the latest transcript for an event"
1.6	12/13/2017	Updated sample query titled "Find S&P 500 company earnings calls where a Goldman Sachs analyst asked a question"
1.7	12/20/2017	Added language to indicate that People Basic is the package offered in the Professionals data set
1.8	04/30/2018	Updated support email address and company coverage in Overview.
1.9	11/27/2018	Updated the field order of the ciqTranscriptComponent table.