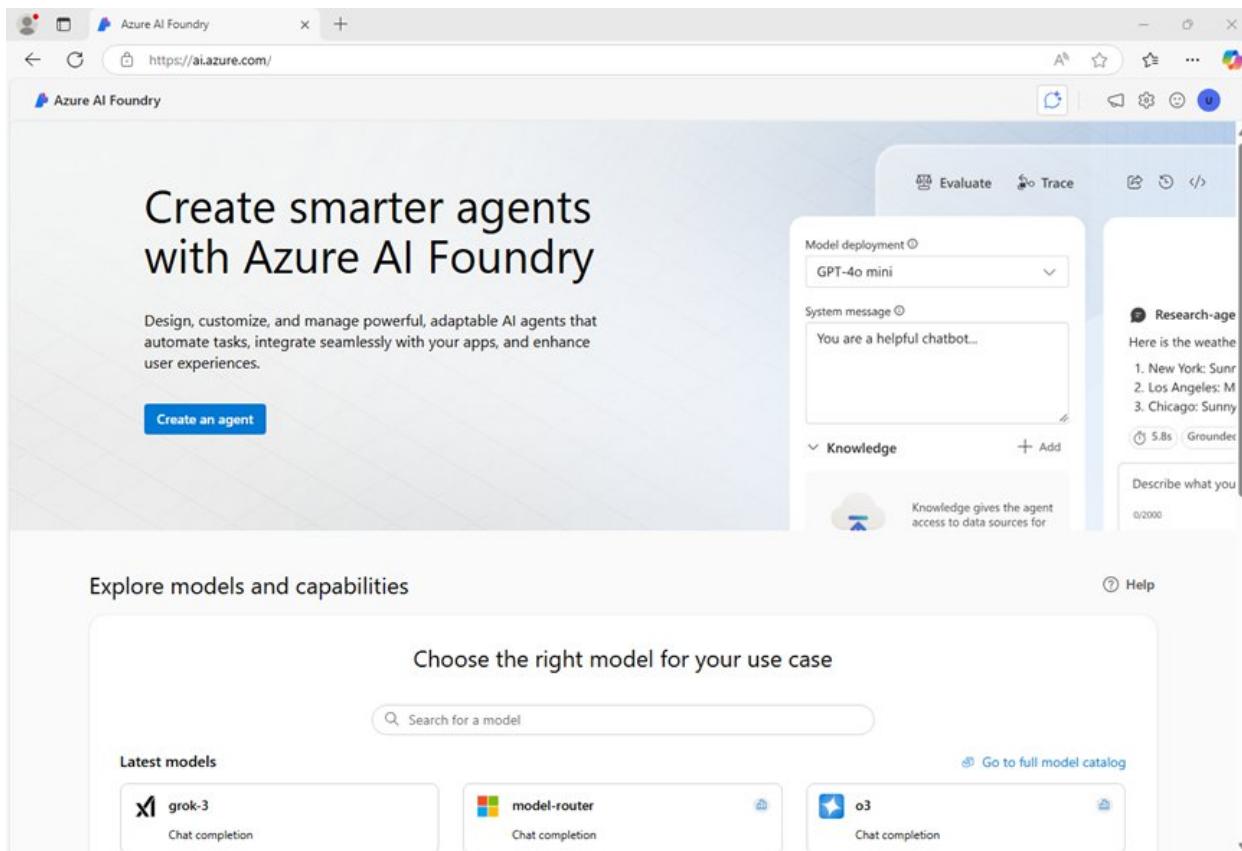


## Extract information from multimodal content

In this exercise, you use Azure Content Understanding to extract information from a variety of content types; including an invoice, an images of a slide containing charts, an audio recording of a voice messages, and a video recording of a conference call.



1. In the browser, navigate to <https://ai.azure.com/managementCenter/allResources> and select **Create new**. Then choose the option to create a new **AI hub resource**.
2. In the **Create a project** wizard, enter a valid name for your project, and select the option to create a new hub. Then use the **Rename hub** link to specify a valid name for your new hub, expand **Advanced options**, and specify the following settings for your project:
  - **Project:** project56982787
  - **Hub:** hub56982787
  - **Subscription:** Your Azure subscription
  - **Resource group:** ResourceGroup1
  - **Region:** westus

**Note:** If you're working in an Azure subscription in which policies are used to restrict allowable resource names, you may need to use the link at the bottom of the **Create a new project** dialog box to create the hub using the Azure portal.

**Tip:** If the **Create** button is still disabled, be sure to rename your hub to a unique alphanumeric value.

3. Wait for your project to be created.

#### Download content

The content you're going to analyze is in a .zip archive. Download it and extract it in a local folder.

1. In a new browser tab, download [content.zip](https://github.com/microsoftlearning/mslearn-ai-information-extraction/raw/main/Labfiles/content/content.zip) from <https://github.com/microsoftlearning/mslearn-ai-information-extraction/raw/main/Labfiles/content/content.zip> and save it in a local folder.
2. Extract the downloaded *content.zip* file and view the files it contains. You'll use these files to build various Content Understanding analyzers in this exercise.

**Note:** If you're only interested in exploring analysis of a specific modality (documents, images, video, or audio), you can skip to the relevant task below. For the best experience, go through each task to learn how to extract information from different types of content.

#### Extract information from invoice documents

You are going to build an Azure AI Content Understanding analyzer that can extract information from invoices. You'll start by defining a schema based on a sample invoice.

#### Define a schema for invoice analysis

1. In the browser tab containing the home page for your Azure AI Foundry project; in the navigation pane on the left, select **Content Understanding**.
2. On the **Content Understanding** page, select the **Custom task** tab at the top.
3. On the Content Understanding custom task page, select **+ Create**, and create a task with the following settings:
  - **Task name:** Invoice analysis
  - **Description:** Extract data from an invoice
  - **Single file content analysis:** Selected
  - **Advanced settings:**

- **Azure AI services connection:** *The Azure AI Services resource in your Azure AI Foundry hub*
  - **Azure Blob Storage account:** *The default storage account in your Azure AI Foundry hub*
4. Wait for the task to be created.

**Tip:** If an error accessing storage occurs, wait a minute and try again. Permissions for a new hub may take a few minutes to propagate.

5. On the **Define schema** page, upload the **invoice-1234.pdf** file from the folder where you extracted content files. This file contains the following invoice:

<b>Contoso Ltd</b>	<b>Invoice No:</b> 1234																																								
2 Main St, Bigtown, England, EH1 234																																									
Tel: 555 123-4567	<b>Date:</b> 03/07/2025																																								
<hr/>																																									
<b>Customer Name:</b> John Smith <b>Address:</b> 123 River Street Marshtown England GL1 234																																									
<hr/>																																									
<table border="1"> <thead> <tr> <th>Item</th><th>Price</th><th>Quantity</th><th>Item Total</th></tr> </thead> <tbody> <tr> <td>38mm Widget</td><td>24.50</td><td>2</td><td>49.00</td></tr> <tr> <td>3.5mm screws pack</td><td>4.99</td><td>1</td><td>4.99</td></tr> <tr> <td>Left-handed screwdriver</td><td>7.49</td><td>1</td><td>7.49</td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td colspan="2">Subtotal</td><td>61.48</td><td></td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td colspan="2">Tax</td><td>6.14</td><td></td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td colspan="2">Shipping</td><td>15.00</td><td></td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td colspan="2">Total Due</td><td>82.62</td><td></td></tr> </tbody> </table>		Item	Price	Quantity	Item Total	38mm Widget	24.50	2	49.00	3.5mm screws pack	4.99	1	4.99	Left-handed screwdriver	7.49	1	7.49	<hr/>		Subtotal		61.48		<hr/>		Tax		6.14		<hr/>		Shipping		15.00		<hr/>		Total Due		82.62	
Item	Price	Quantity	Item Total																																						
38mm Widget	24.50	2	49.00																																						
3.5mm screws pack	4.99	1	4.99																																						
Left-handed screwdriver	7.49	1	7.49																																						
<hr/>																																									
Subtotal		61.48																																							
<hr/>																																									
Tax		6.14																																							
<hr/>																																									
Shipping		15.00																																							
<hr/>																																									
Total Due		82.62																																							
<hr/>																																									

6. On the **Define schema** page, after uploading the invoice file, select the **Invoice data extraction** template and select **Create**.

The *Invoice analysis* template includes common fields that are found in invoices. You can use the schema editor to delete any of the suggested fields that you don't need, and add any custom fields that you do.

7. In the list of suggested fields, select **BillingAddress**. This field is not needed for the invoice format you have uploaded, so use the **Delete field** (trash) icon that appears in the selected field row to delete it.
8. Now delete the following suggested fields, which aren't needed for your invoice schema:
  - BillingAddressRecipient
  - CustomerAddressRecipient
  - CustomerId
  - CustomerTaxId
  - DueDate
  - InvoiceTotal
  - PaymentTerm
  - PreviousUnpaidBalance
  - PurchaseOrder
  - RemittanceAddress
  - RemittanceAddressRecipient
  - ServiceAddress
  - ServiceAddressRecipient
  - ShippingAddress
  - ShippingAddressRecipient
  - TotalDiscount
  - VendorAddressRecipient
  - VendorTaxId
  - TaxDetails
9. Use **+ Add new field** button to add the following fields, selecting **Save changes** (✓) for each new field:

Field name	Field description	Value type	Method
VendorPhone	Vendor telephone number	String	Extract
ShippingFee	Fee for shipping	Number	Extract

10. In the row for the **Items** field, note that this field is a *table* (it contains the collection of items in the invoice). Select its **Edit** (grid) icon to open a new page with its subfields.
11. Remove the following subfields from the **Items** table:
- Date
  - ProductCode
  - Unit
  - TaxAmount
  - TaxRate
12. Use the **OK** button to confirm the changes and return to the top-level of the invoice schema.
13. Verify that your completed schema looks like this, and select **Save**.

The screenshot shows the 'Define schema' page in the Azure AI Foundry interface. On the left, there's a sidebar with various icons. The main area has a header 'Define schema' with tabs for 'Test analyzer' and 'Build analyzer'. Below this is a table titled '21/50' with columns for 'Field name', 'Field description', 'Value type', and 'Method'. The table lists fields like 'AmountDue', 'CustomerAddress', 'CustomerName', etc. At the bottom of the table is a 'Save' button. To the right, there's a preview section titled 'Content' showing an invoice from 'Contoso Ltd' with details like 'Invoice No: 1234', 'Date: 01/01/2025', and a table of items with their prices and quantities.

14. On the **Test Analyzer** page, if analysis does not begin automatically, select **Run analysis**. Then wait for analysis to complete.

15. Review the analysis results, which should look similar to this:

The screenshot shows the Azure AI Foundry interface with the URL <https://ai.azure.com/build/contentunderstanding/custom-analyzer/>. The project is set to 'ai-project'. The main area displays a PDF file named 'invoice-1234.pdf' with a green checkmark indicating successful analysis. The document contains fields such as 'Contoso Ltd', 'Invoice No.', 'Date', 'Customer Name', 'Address', 'Item', 'Price', 'Quantity', and 'Total'. To the right, a 'Fields' pane lists identified fields with their confidence scores:

Field	Result	Score
AmountDue	p.1	60.80%
	82.62	
CustomerAddress	p.1	82.90%
	123 River Street Marshtown England GL1 234	
CustomerName	p.1	98.00%
	John Smith	
InvoiceDate	p.1	99.80%
	2025-07-03	
InvoiceId	p.1	96.80%
	1234	
SubTotal	p.1	98.80%
	61.48	
TotalTax	p.1	98.40%
	6.14	
VendorAddress	p.1	97.90%
	2 Main St, Bigtown, England, EH1 234	

16. View the details of the fields that were identified in the **Fields** pane.

#### Build and test an analyzer for invoices

Now that you have trained a model to extract fields from invoices, you can build an analyzer to use with similar documents.

1. Select the **Analyzer list** page, and then select **+ Build analyzer** and build a new analyzer with the following properties (typed exactly as shown here):
  - **Name:** invoice-analyzer
  - **Description:** Invoice analyzer
2. Wait for the new analyzer to be ready (use the **Refresh** button to check).
3. When the analyzer has been built, select the **invoice-analyzer** link. The fields defined in the analyzer's schema will be displayed.
4. In the **invoice-analyzer** page, select the **Test** tab.

5. Use the **+ Upload test files** button to upload **invoice-1235.pdf** from the folder where you extracted the content files, and click on **Run analysis** to extract field data from the invoice.

The invoice being analyzed looks like this:

<b>Contoso Ltd</b> 2 Main St, Bigtown, England, EH1 234 Tel: 555 123-4567	<b>Invoice No:</b> 1235 <b>Date:</b> 03/07/2025		
<hr/>			
<b>Customer Name:</b> Ava Jones			
<b>Address:</b>	321 Pond Lane Waterville England GL1 010		
<hr/>			
Item	Price	Quantity	Item Total
42mm Widget	26.50	3	79.50
5mm screws pack	5.99	2	11.98
		<b>Subtotal</b>	91.48
		<b>Tax</b>	9.14
		<b>Shipping</b>	15.00
		<b>Total Due</b>	115.62

6. Review the **Fields** pane, and verify that the analyzer extracted the correct fields from the test invoice.
7. Review the **Results** pane to see the JSON response that the analyzer would return to a client application.
8. On the **Code example** tab, view the sample code that you could use to develop a client application that uses the Content Understanding REST interface to call your analyzer.
9. Close the **invoice-analyzer** page.

## Extract information from a slide image

You are going to build an Azure AI Content Understanding analyzer that can extract information from a slide containing charts.

### Define a schema for image analysis

1. In the browser tab containing the home page for your Azure AI Foundry project; in the navigation pane on the left, select **Content Understanding**.
2. On the **Content Understanding** page, select the **Custom task** tab at the top.
3. On the Content Understanding custom task page, select **+ Create**, and create a task with the following settings:
  - o **Task name:** Slide analysis
  - o **Description:** Extract data from an image of a slide
  - o **Single file content analysis:** *Selected*
  - o **Advanced settings:**
    - **Azure AI services connection:** *The Azure AI Services resource in your Azure AI Foundry hub*
    - **Azure Blob Storage account:** *The default storage account in your Azure AI Foundry hub*
4. Wait for the task to be created.

**Tip:** If an error accessing storage occurs, wait a minute and try again. Permissions for a new hub may take a few minutes to propagate.

5. On the **Define schema** page, upload the **slide-1.jpg** file from the folder where you extracted content files. Then select the **Image analysis** template and select **Create**.

The *Image analysis* template doesn't include any predefined fields. You must define fields to describe the information you want to extract.

6. Use **+ Add new field** button to add the following fields, selecting **Save changes (✓)** for each new field:

Field name	Field description	Value type	Method
Title	Slide title	String	Generate

Field name	Field description	Value type	Method
Summary	Summary of the slide	String	Generate
Charts	Number of charts on the slide	Integer	Generate

7. Use **+ Add new field** button to add a new field named QuarterlyRevenue with the description Revenue per quarter with the value type **Table**, and save the new field (✓). Then, in the new page for the table subfields that opens, add the following subfields:

Field name	Field description	Value type	Method
Quarter	Which quarter?	String	Generate
Revenue	Revenue for the quarter	Number	Generate

8. Select **Back** (the arrow icon near the **Add new subfield** button) or ✓ **OK** to return to the top level of your schema, and use **+ Add new field** button to add a new field named ProductCategories with the description Product categories with the value type **Table**, and save the new field (✓). Then, in the new page for the table subfields that opens, add the following subfields:

Field name	Field description	Value type	Method
ProductCategory	Product category name	String	Generate
RevenuePercentage	Percentage of revenue	Number	Generate

9. Select **Back** (the arrow icon near the **Add new subfield** button) or ✓ **OK** to return to the top level of your schema, and verify that it looks like this. Then select **Save**.

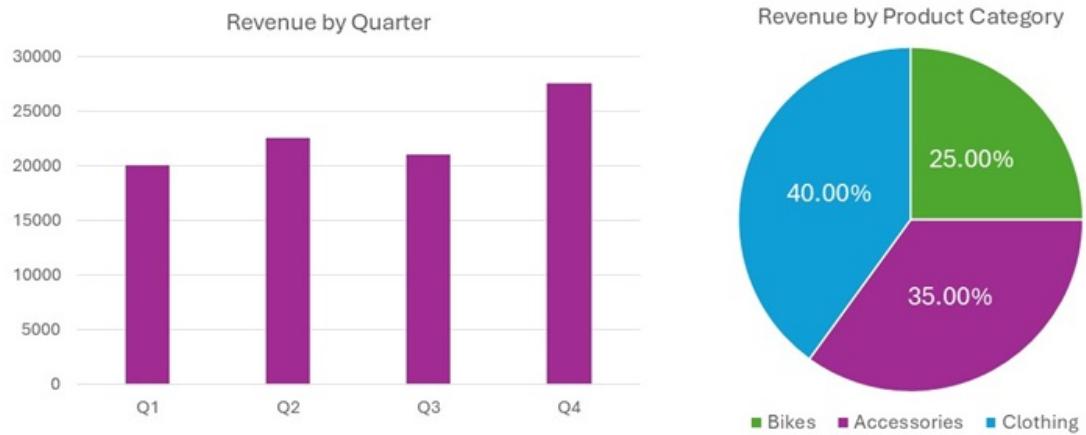
The screenshot shows the 'Slide analysis' page in the Azure AI Foundry interface. On the left, there's a sidebar with various icons. The main area has a header 'Define schema' with tabs for 'Test analyzer' and 'Build analyzer'. Below this is a table with columns 'Field name', 'Field description', 'Value type', and 'Method'. The table contains five rows:

Field name	Field description	Value type	Method
Title	Slide title	String	Generate
Summary	Summary of the slide	String	Generate
Charts	Number of charts on the slide	Integer	Generate
QuarterlyRevenue	Revenue per quarter	Table	

Below the table is a 'Save' button. To the right, there's a preview area titled 'Content' with 'Additional settings'. The preview shows a slide titled 'Adventure Works Cycles' with two charts: 'Revenue by Quarter' (a bar chart) and 'Revenue by Product Category' (a pie chart). The bar chart shows revenue for four quarters, and the pie chart shows revenue distribution across three categories.

10. On the **Test Analyzer** page, if analysis does not begin automatically, select **Run analysis**. Then wait for analysis to complete.

The slide being analyzed looks like this:



11. Review the analysis results, which should look similar to this:

Slide analysis - Azure AI Foundry

https://ai.azure.com/build/contentunderstanding/custom-analyzer/

Azure AI Foundry / ai-project / Content Understanding / Slide analysis

Define schema Test analyzer Build analyzer

Run analysis Upload test files

charts.jpg

Adventure Works Cycles

Revenue by Quarter

Quarter	Revenue
Q1	~20,000
Q2	~22,000
Q3	~21,000
Q4	~27,000

Revenue by Product Category

Category	Percentage
Clothing	40.00%
Bikes	25.00%
Accessories	35.00%

Fields Result

Title: Adventure Works Cycles

Summary: The slide presents the revenue distribution of Adventure Works Cycles by quarter and by product category. It includes a bar chart showing revenue for each quarter and a pie chart depicting the percentage of revenue from different product categories.

Charts: 2

QuarterlyRevenue (4)

ProductCategories (3)

12. View the details of the fields that were identified in the **Fields** pane, expanding the **QuarterlyRevenue** and **ProductCategories** fields to see the subfield values.

## Build and test an analyzer

Now that you have trained a model to extract fields from slides, you can build an analyzer to use with similar slide images.

1. Select the **Analyzer list** page, and then select **+ Build analyzer** and build a new analyzer with the following properties (typed exactly as shown here):
  - **Name:** slide-analyzer
  - **Description:** Slide image analyzer
2. Wait for the new analyzer to be ready (use the **Refresh** button to check).
3. When the analyzer has been built, select the **slide-analyzer** link. The fields defined in the analyzer's schema will be displayed.
4. In the **slide-analyzer** page, select the **Test** tab.
5. Use the **+ Upload test files** button to upload **slide-2.jpg** from the folder where you extracted the content files, and click on **Run analysis** to extract field data from the image.

The slide being analyzed looks like this:

## Contoso Ltd.



6. Review the **Fields** pane, and verify that the analyzer extracted the correct fields from the slide image.

**Note:** Slide 2 doesn't include a breakdown by product category, so the product category revenue data is not found.

7. Review the **Results** pane to see the JSON response that the analyzer would return to a client application.
8. On the **Code example** tab, view the sample code that you could use to develop a client application that uses the Content understanding REST interface to call your analyzer.
9. Close the **slide-analyzer** page.

Extract information from a voicemail audio recording

You are going to build an Azure AI Content Understanding analyzer that can extract information from an audio recording of a voicemail message.

Define a schema for audio analysis

1. In the browser tab containing the home page for your Azure AI Foundry project; in the navigation pane on the left, select **Content Understanding**.
2. On the **Content Understanding** page, select the **Custom task** tab at the top.
3. On the Content Understanding custom task page, select **+ Create**, and create a task with the following settings:
  - **Task name:** Voicemail analysis
  - **Description:** Extract data from a voicemail recording
  - **Single file content analysis:** *Selected*
  - **Advanced settings:**
    - **Azure AI services connection:** *The Azure AI Services resource in your Azure AI Foundry hub*
    - **Azure Blob Storage account:** *The default storage account in your Azure AI Foundry hub*
4. Wait for the task to be created.

**Tip:** If an error accessing storage occurs, wait a minute and try again. Permissions for a new hub may take a few minutes to propagate.

5. On the **Define schema** page, upload the **call-1.mp3** file from the folder where you extracted content files. Then select the **Speech transcript analysis** template and select **Create**.
6. In the **Content** pane on the right, select **Get transcription preview** to see a transcription of the recorded message.

The *Speech transcript analysis* template doesn't include any predefined fields. You must define fields to describe the information you want to extract.

7. Use **+ Add new field** button to add the following fields, selecting **Save changes** (✓) for each new field:

Field name	Field description	Value type	Method
Caller	Person who left the message	String	Generate
Summary	Summary of the message	String	Generate
Actions	Requested actions	String	Generate
CallbackNumber	Telephone number to return the call	String	Generate
AlternativeContacts	Alternative contact details	List of Strings	Generate

8. Verify that your schema looks like this. Then select **Save**.

The screenshot shows the 'Define schema' page in the Azure AI Foundry interface. On the left, there's a sidebar with various icons. The main area has a header 'Define schema' with tabs for 'Test analyzer' and 'Build analyzer'. Below this is a table with six rows:

Field name	Field description	Value type	Method
Caller	Person who left the message	String	Generate
Summary	Summary of the message	String	Generate
Actions	Requested actions	String	Generate
CallbackNumber	Telephone number to return t...	String	Generate
AlternativeContacts	Alternative contact details	List of Strings	Generate

On the right, there's a 'Content' section showing an audio waveform from 00:00 to 00:24. Below it is a 'Transcript' section with the following text:

```
00:02.560 --> 00:05.120
<v Speaker 1>Hi, this is Ava from Contoso.

00:05.520 --> 00:08.000
<v Speaker 1>Just calling to follow up on our
meeting last week.

00:08.320 --> 00:12.800
<v Speaker 1>I wanted to let you know that I've
run the numbers and I think we can meet your
price expectations.

00:13.040 --> 00:21.520
<v Speaker 1>Please call me back on 555-12345 or
send me an e-mail at Ava@contoso.com and we'll
discuss next steps.

00:21.960 --> 00:23.280
<v Speaker 1>Thanks, bye.***
```

At the bottom of the schema table is a 'Save' button.

9. On the **Test Analyzer** page, if analysis does not begin automatically, select **Run analysis**. Then wait for analysis to complete.

Audio analysis can take some time. While you're waiting, you can play the audio file below:

**Note:** This audio was generated using AI.

10. Review the analysis results, which should look similar to this:

The screenshot shows the Azure AI Foundry interface for Content Understanding, specifically the 'Voicemail analysis' project. The 'Test analyzer' tab is selected. On the left, there's a sidebar with various icons. In the center, a file named 'call-1.mp3' is selected, and a transcript of the audio content is displayed:

```
00:02.560 --> 00:05.120
<v Speaker 1>Hi, this is Ava from Contoso.

00:05.520 --> 00:08.000
<v Speaker 1>Just calling to follow up on our meeting last week.

00:08.320 --> 00:12.800
<v Speaker 1>I wanted to let you know that I've run the numbers and I think we can meet your price expectations.

00:13.040 --> 00:21.520
<v Speaker 1>Please call me back on 555-12345 or send me an e-mail at Ava@contoso.com and we'll discuss next steps.

00:21.960 --> 00:23.280
<v Speaker 1>Thanks, bye.***
```

To the right, the 'Fields' pane is open, showing the following extracted fields:

- Caller**: Ava
- Summary**: Ava from Contoso called to follow up on a meeting and mentioned that they can meet the price expectations. She requested a callback or an email to discuss the next steps.
- Actions**: Call back or send an email to discuss next steps.
- CallbackNumber**: 555-12345
- AlternativeContacts**:
  - Ava@contoso.com

11. View the details of the fields that were identified in the **Fields** pane, expanding the **AlternativeContacts** field to see the listed values.

#### Build and test an analyzer

Now that you have trained a model to extract fields from voice messages, you can build an analyzer to use with similar audio recordings.

1. Select the **Analyzer list** page, and then select **+ Build analyzer** and build a new analyzer with the following properties (typed exactly as shown here):
  - **Name**: voicemail-analyzer
  - **Description**: Voicemail audio analyzer
2. Wait for the new analyzer to be ready (use the **Refresh** button to check).
3. When the analyzer has been built, select the **voicemail-analyzer** link. The fields defined in the analyzer's schema will be displayed.
4. In the **voicemail-analyzer** page, select the **Test** tab.

5. Use the **+ Upload test files** button to upload **call-2.mp3** from the folder where you extracted the content files, and click on **Run analysis** to extract field data from the audio file.

Audio analysis can take some time. While you're waiting, you can play the audio file below:

**Note:** This audio was generated using AI.

6. Review the **Fields** pane, and verify that the analyzer extracted the correct fields from the voice message.
7. Review the **Results** pane to see the JSON response that the analyzer would return to a client application.
8. On the **Code example** tab, view the sample code that you could use to develop a client application that uses the Content understanding REST interface to call your analyzer.
9. Close the **voicemail-analyzer** page.

Extract information from a video conference recording

You are going to build an Azure AI Content Understanding analyzer that can extract information from a video recording of a conference call.

Define a schema for video analysis

1. In the browser tab containing the home page for your Azure AI Foundry project; in the navigation pane on the left, select **Content Understanding**.
2. On the **Content Understanding** page, select the **Custom task** tab at the top.
3. On the Content Understanding custom task page, select **+ Create**, and create a task with the following settings:
  - **Task name:** Conference call video analysis
  - **Description:** Extract data from a video conference recording
  - **Single file content analysis:** *Selected*
  - **Advanced settings:**
    - **Azure AI services connection:** *The Azure AI Services resource in your Azure AI Foundry hub*
    - **Azure Blob Storage account:** *The default storage account in your Azure AI Foundry hub*

4. Wait for the task to be created.

**Tip:** If an error accessing storage occurs, wait a minute and try again. Permissions for a new hub may take a few minutes to propagate.

5. On the **Define schema** page, upload the **meeting-1.mp4** file from the folder where you extracted content files. Then select the **Video analysis** template and select **Create**.
6. In the **Content** pane on the right, select **Get transcription preview** to see a transcription of the recorded message.

The *Video analysis* template extracts data for the video. It doesn't include any predefined fields. You must define fields to describe the information you want to extract.

7. Use **+ Add new field** button to add the following fields, selecting **Save changes** (✓) for each new field:

Field name	Field description	Value type	Method
Summary	Summary of the discussion	String	Generate
Participants	Count of meeting participants	Integer	Generate
ParticipantNames	Names of meeting participants	List of Strings	Generate
SharedSlides	Descriptions of any PowerPoint slides presented	List of Strings	Generate
AssignedActions	Tasks assigned to participants	Table	

8. When you enter the **AssignedActions** field, in the table of subfields that appears, create the following subfields:

Field name	Field description	Value type	Method
Task	Description of the task	String	Generate
AssignedTo	Who the task is assigned to	String	Generate

9. Select **Back** (the arrow icon near the **Add new subfield** button) or  **OK** to return to the top level of your schema, and verify that it looks like this. Then select **Save**.

10. Verify that your schema looks like this. Then select **Save**.

The screenshot shows the 'Define schema' page in the Azure AI Foundry interface. On the left, there's a sidebar with various icons. The main area has a table titled 'Define schema' with the following data:

Define schema			
Add new field		7/10	Change template
Field name	Field description	Value type	Method
Summary	Summary of the discussion	String	Generate
Participants	Count of meeting participants	Number	Generate
ParticipantNames	Names of meeting participants	List of Strings	Generate
SharedSlides	Descriptions of any PowerPoint slides shared during the meeting	List of Strings	Generate
AssignedActions	Tasks assigned to participants	Table	

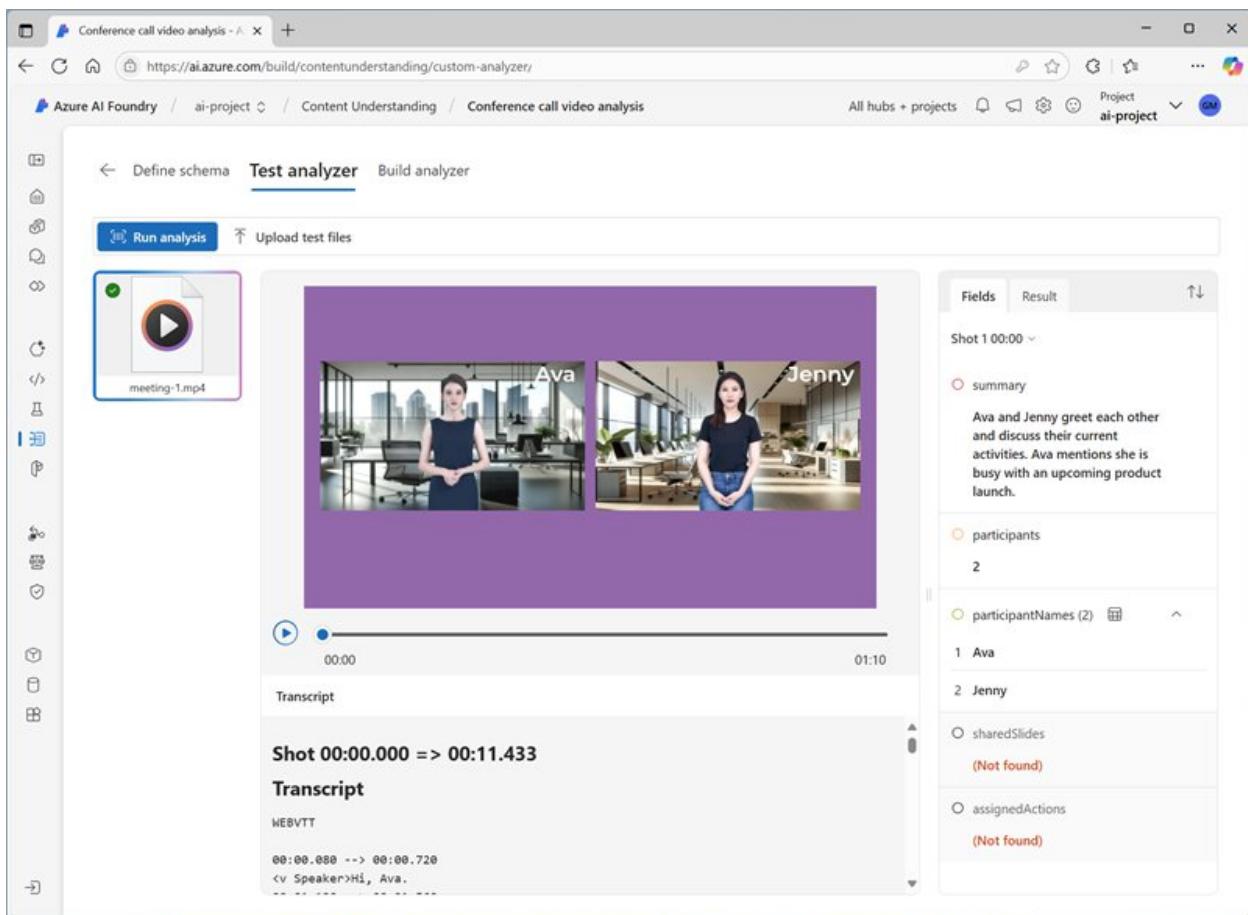
To the right of the table is a preview area titled 'Content'. It shows a video frame with two people, Ava and Jenny, in an office setting. Below the video is a timeline slider showing 00:00 to 01:10. At the bottom of the preview area is a link 'Get transcription preview'.

11. On the **Test Analyzer** page, if analysis does not begin automatically, select **Run analysis**. Then wait for analysis to complete.

Video analysis can take some time. While you're waiting, you can view the video below:

**Note:** This video was generated using AI.

12. When analysis is complete, review the results, which should look similar to this:



13. In the **Fields** pane, view the extracted data for the video, including the fields you added. View the field values that were generated, expanding list and table fields as necessary.

#### Build and test an analyzer

Now that you have trained a model to extract fields from conference call recordings, you can build an analyzer to use with similar videos.

1. Select the **Analyzer list** page, and then select **+ Build analyzer** and build a new analyzer with the following properties (typed exactly as shown here):
  - **Name:** conference-call-analyzer
  - **Description:** Conference call video analyzer
2. Wait for the new analyzer to be ready (use the **Refresh** button to check).
3. When the analyzer has been built, select the **conference-call-analyzer** link. The fields defined in the analyzer's schema will be displayed.
4. In the **conference-call-analyzer** page, select the **Test** tab.

5. Use the **Upload test files** button to upload **meeting-2.mp4** from the folder where you extracted the content files, and run the analysis to extract field data from the audio file.

Video analysis can take some time. While you're waiting, you can view the video below:

**Note:** This video was generated using AI.

6. Review the **Fields** pane, and view the fields that the analyzer extracted for the conference call video.
7. Review the **Results** pane to see the JSON response that the analyzer would return to a client application.
8. Close the **conference-call-analyzer** page.