

Upload Static PDF and Connect Amazon S3

Configure additional data sources, including a manually uploaded PDF and an Amazon S3 bucket

- PDF course catalog is uploaded and synced as a data source.
 - Manually upload the PDF course catalog into Amazon Q Business.

The screenshot shows the 'Amazon Q Business' navigation bar with 'Applications' selected. Under 'Enhancements', 'Data sources' is expanded, showing 'Additional Course Catalog' as a data source. The main area displays a table titled 'Uploaded files (2)'. The table has columns for 'Document name', 'Upload time', 'Upload status', and 'Status details'. Two entries are listed:

Document name	Upload time	Upload status	Status details
Additional-Course-Catalog-B....	Nov 14, 2025, 1:25 PM GMT+...	Received	File received
Additional-Course-Catalog-A....	Nov 14, 2025, 1:25 PM GMT+...	Received	File received

Figure 1 Manually uploaded the PDF course catalog into Amazon Q Business

- Ensure the document is indexed, making its contents searchable

The screenshot shows the 'Data sources' page. On the left, under 'Index', it lists 'Index name: CareerCoachIndex', 'Index status: Active', and 'Last modified time: October 08, 2025, 00:59 (UTC+05:30)'. In the center, there's a summary box with 'Index provisioning: 1', 'Document count: 2', and 'Storage used: 179.57 KIB'. On the right, it shows 'Index ID: 3224bd40-d5c5-495a-8c16-03ccc269f567', 'Retriever ID: e6c3c378-2ecc-48c3-bf8e-17bb9bd6ee18', and 'Retriever: Native retriever: Starter'. Below this, the 'Data sources (1)' section shows a table with one entry: 'Uploaded files' from 'FILE UPLOADER'. The table includes columns for Name, Source, Data source s..., Last sync time, Last sync stat..., Current sync ..., and Access Contro... .

Figure 2 Screenshot shows the index with 2 documents and data source of Uploaded files

Uploaded files Info	
Uploaded files (2)	
<input type="checkbox"/>	Document name
<input type="checkbox"/>	Additional-Course-Catalog-B.pdf
<input type="checkbox"/>	Additional-Course-Catalog-A.pdf
	Upload time
	Nov 14, 2025, 1:26 PM GMT+5:30
	Nov 14, 2025, 1:26 PM GMT+5:30
	Upload status
	Indexed
	Indexed
	Status details
	Ready to use as a source
	Ready to use as a source

Figure 3 Screenshot with the 2 catalog files uploaded

Test the integration by querying the system to confirm it retrieves relevant course details.

give the details about Major GPA Requirement from Additional-Course-Catalog-A file

Based on the Additional-Course-Catalog-A file, here are the details about the Major GPA Requirement for the Computer Engineering, BSCmpE program:

Major GPA Requirement

Minimum GPA Required: 2.000 minimum GPA required in EECE courses [\[1\]](#)

This means that students must maintain at least a 2.000 grade point average specifically in their Electrical and Computer Engineering (EECE) courses to meet the major requirements for the Computer Engineering degree program. This GPA requirement applies only to the EECE coursework and is separate from any overall university GPA requirements.

The program also requires a total of 133 semester hours to complete the degree. [\[1\]](#)

Figure 4 Querying the Q app with a question about Additional – Course- Catalog – A file which is recently uploaded as a data source and fetching the response

Comparing it with the pdf catalog file

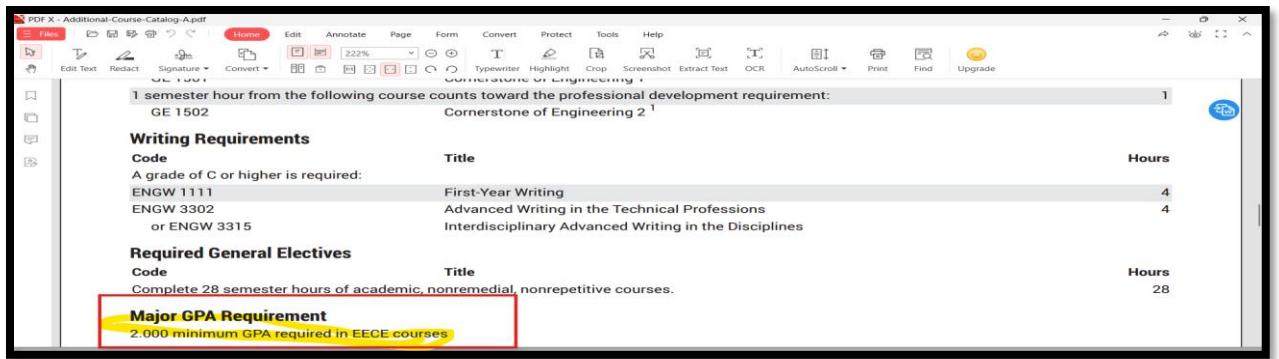


Figure 5 Verifying the response in the pdf file from the desktop

Correct answer produced in response - verified

what are the areas of specialization available for students who have enrolled for B. Tech. Computer Science and Engineering (4 year) at SHIV NADAR UNIVERSITY? Please list Areas of Specialization only

Based on the information from Shiv Nadar University's B. Tech. Computer Science and Engineering (4 year) program, the areas of specialization available are:

1. Artificial Intelligence and Machine Learning
2. Data Science and Big Data Analytics
3. Cyber Security and Privacy

These are the three specialization areas that students can choose from in the program.

Events

Like Dislike Share Print

Figure 6 Posting one more question to retrieve the answer from Additional-Course-Catalog-B

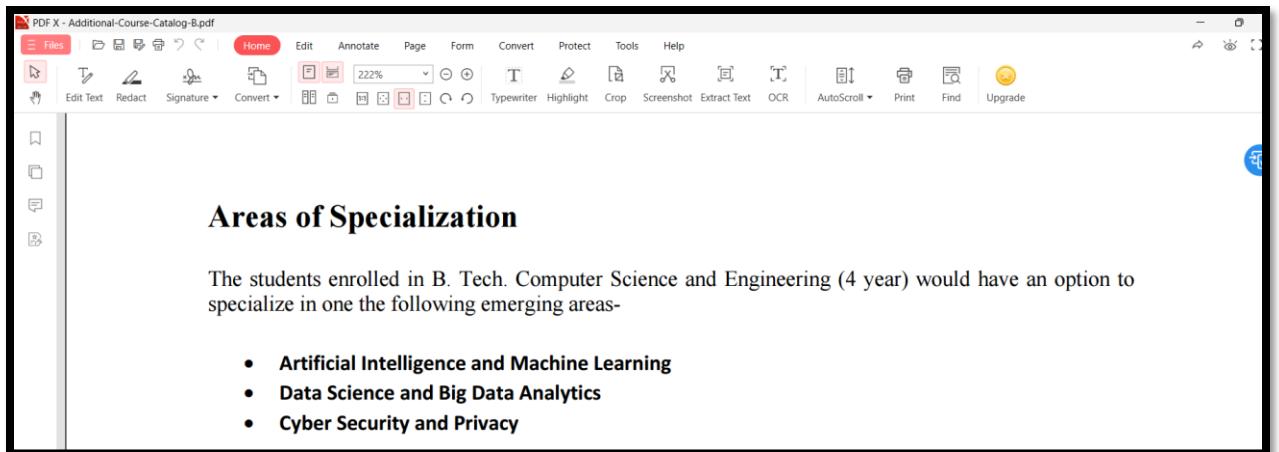


Figure 7 Verifying the response in the pdf file from the desktop

Correct Answer produced in response – verified

- An Amazon S3 bucket is created, and at least one training catalog file is uploaded.

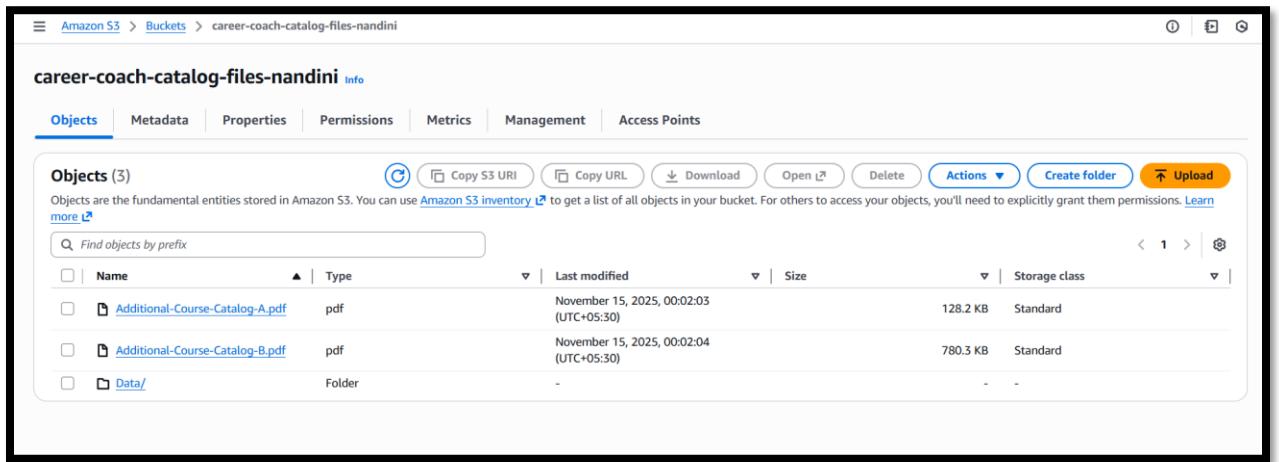


Figure 8 Creation of S3 bucket with catalog files related to medicine uploaded

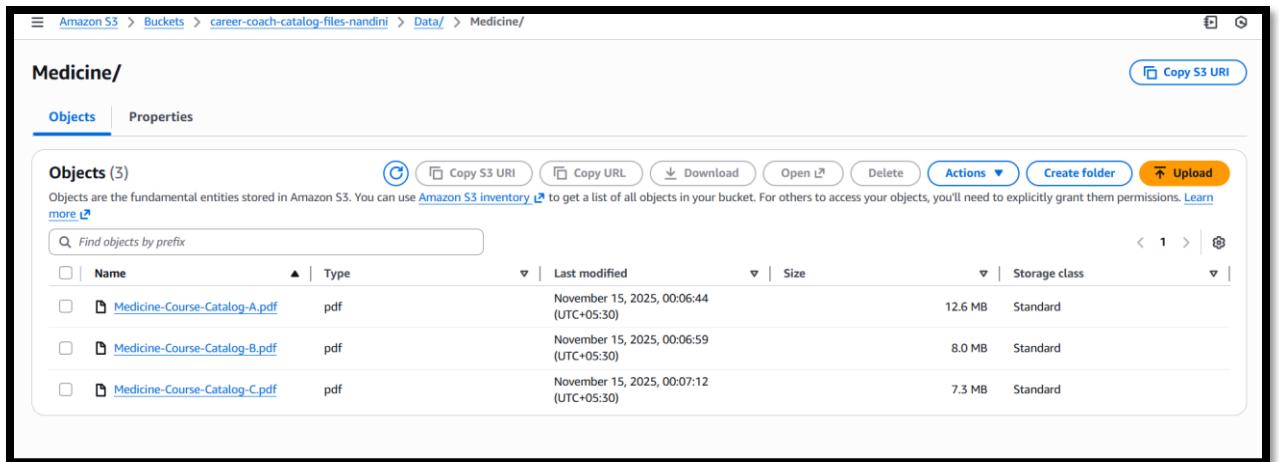


Figure 9 S3 bucket is created with medicine catalog files added

- The S3 bucket is added as a data source and is successfully synced.

Screenshot of the Amazon Q Business console showing the configuration of an S3 bucket data source.

Header: AWS, Search, Alt+S, United States (Oregon), Back, Refresh, Help, Settings

Breadcrumbs: Amazon Q Business > Applications > CareerCoachAssistant > Data sources > S3-data-source-nandini > Update S3

Left Sidebar:

- Amazon Q Business
- Applications
- CareerCoachAssistant
- Enhancements
 - Data sources
 - Data accessors **New**
 - Admin controls and guardrails
 - Amazon Q Apps **New**
 - Amazon Q embedded **New**
 - Integrations **New**
 - Document enrichments
 - Relevance tuning
 - Metadata controls **New**
 - Amazon QuickSight **New**
 - Response customization **New**
- Actions
 - Plugins **Updated**
- Insights

Update Amazon S3 Info

Provide details so that Amazon Q Business can index your Amazon S3 bucket repository of documents.

Name and description

Data source name
Enter an unique name for this data source within the index that can be easily identified by Amazon Q Business users.
S3-data-source-nandini

Description - optional
Add a description to identify this data source. This description will only be visible to Amazon Q Business administrators and can be edited later.
My data source connector for my documents

IAM role Info

IAM role guidance
IAM roles used for applications can't be used for data sources. If you are unsure if an existing role is used for an application, choose "Create a new role" to avoid an error.

IAM role
Amazon Q Business requires an IAM role to access repository credentials and application content.
arn:aws:iam::103316240667:role/QBusinessDataRole

Data source location

This AWS account (radio button selected)

Sync scope Info

Enter the data source location | **Info**
Locate the S3 bucket where your data is stored.
s3://career-coach-catalog-files-nandini | **Browse S3**

Maximum single file size | **Info**
Set the maximum file size for crawling. Files with size upto 10,240 MB for video files, 2,048 MB for audio files, 500 MB for PDF/Word/PowerPoint documents, and 50 MB for all other supported documents can get indexed. Note that regardless of file type, any file with extracted text exceeding 30 MB won't be indexed. [Learn more about enabling video and audio.](#)
50 MB
Standard text documents: 50 MB max. If video/audio enabled: videos up to 10,240 MB, audio up to 2,048 MB.

Access control list (ACL) configuration file location - optional | **Info**
Locate the ACL configuration file.
s3://my-bucket/path/file | **Browse S3**

Metadata files folder location - optional | **Info**
Locate the folder that has your metadata JSON.

Filter patterns - optional
Add a pattern to include only certain folders, or to exclude folders, file types or specific files in your repository. All paths are relative to the data source location S3 bucket. You can have a combined total of 100 patterns.

Multi-media content configuration - optional

Advanced Settings - optional | **Info**

Sync run schedule | **Info**
Tell Amazon Q Business how often it should sync this data source. You can check the health of your sync jobs in the data source details page once the data source is created.

Frequency
Select how often you want your data source to sync.
Run on demand

Note: This data source will not be synced until you choose "sync now" in the Data sources section.

Buttons: Back, Update

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Figure 10 Screenshot depicting S3 bucket data source configuration

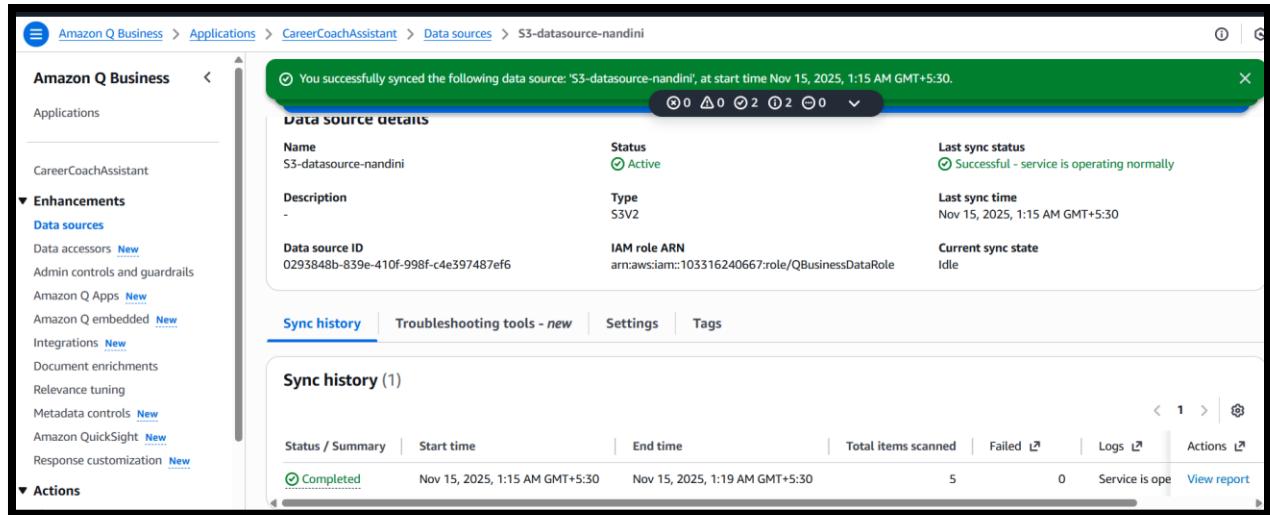


Figure 11 Screenshot depicts S3 Bucket data source getting synced

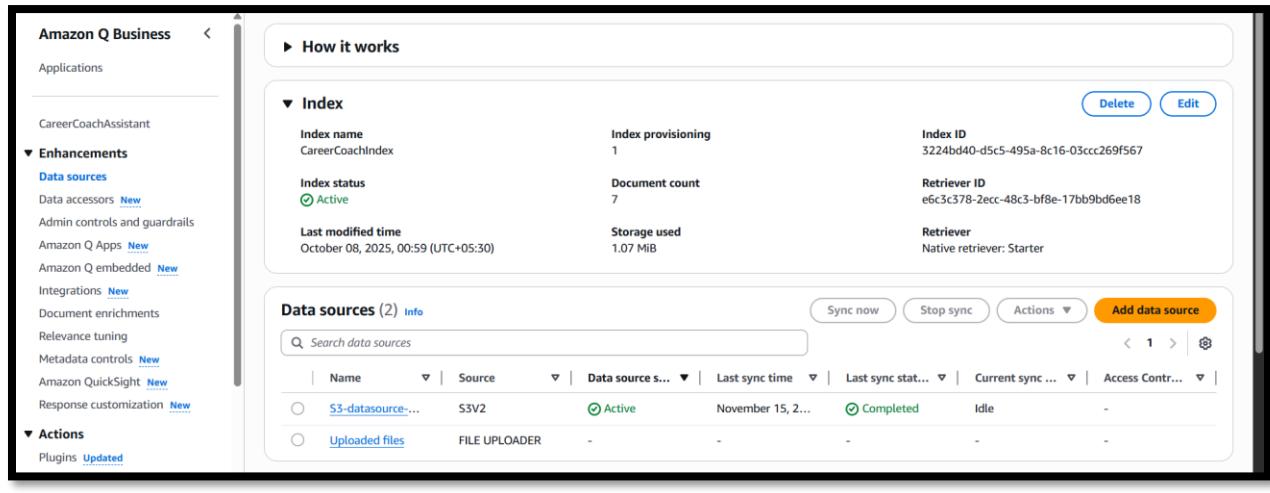


Figure 12 Screenshot of Data sources page with 2 data sources - uploaded files and s3 data source

View of Data Sources

- Verify that recommendations are including training from newly added source

Career Coach Assistant

Create Amazon

Get me the details of REQUIRED DOCUMENTS FOR APPLYING from Medicine-Course-Catalog-A document

Required Documents for Applying

The following documents are required to complete the application process:

1. Completed application form along with a personal statement [1](#)
2. Official transcript(s) sent directly from each college/university attended [1](#)
3. MCAT official report (MCAT scores are required for all U.S. citizens, nationals or permanent residents) [1](#)
4. Two letters of recommendation (at least one should be from an individual capable of assessing the applicant's academic ability), or a Pre-medical advisor's committee report [1](#)
5. TOEFL scores, official report if applicable [1](#)
6. Two passport-size (2" X 2"), color photographs [1](#)

Events Sources

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Figure 13 Figure 4 Querying the Q app with a question about Medicine Course Catalog A document which is uploaded in S3



REQUIRED DOCUMENTS FOR APPLYING

The following documents are required to complete the application process:

- Completed application form along with a personal statement.
- Official transcript(s) sent directly from each college/university attended.
- MCAT official report (MCAT scores are required for all U.S. citizens, nationals or permanent residents).
- Two letters of recommendation (at least one should be from an individual capable of assessing the applicant's academic ability), or a Pre-medical advisor's committee report.
- TOEFL scores, official report if applicable.
- Two passport-size (2" X 2"), color photographs.

Figure 14 Verifying the response in the pdf file from the desktop

Correct Answer produced in response – verified

Configure automatic updates for training documents using Amazon S3

- Scheduled daily sync is configured and active for the S3 data source.

Sync run schedule Info

Tell Amazon Q Business how often it should sync this data source. You can check the health of your sync jobs in the data source details page once the data source is created.

Frequency
Select how often you want your data source to sync.

Daily ▾

Start time
20 ▾ : 40 ▾ (UTC)
Local 02:10 AM (UTC+5.5)

Figure 15 Sync run schedule for the s3 data source set to Daily

Screenshot of the Amazon Q Business Data sources page, showing the configuration for the S3 datasource-nandini.

Data source details

Name	Status	Last sync status
S3-datasource-nandini	Active	Successful - service is operating normally

IAM role

IAM role ARN: arn:aws:iam::103316240667:role/QBusinessDataRole

Sync scope

Data source bucket	Account ID
s3://career-coach-catalog-files-nandini	103316240667

Access control list configuration: -

Maximum single file size: 50 MB

Multi-media content configuration: Text based content

Include/Exclude file patterns: Include and exclude documents from indexing.

Sync schedule

Sync run schedule (UTC): At 08:40 PM

After Sync Schedule updated to Daily

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Figure 16 Screenshot confirms next scheduled sync time.