

Section 1 – Setup Amazon Q Business

The screenshot shows the IAM Identity Center Groups page. On the left, there's a sidebar with options like IAM Identity Center, Managing instance, Application assignments, and Related services. The main area shows a group named "CareerCoaches". It has a "General Information" section with tabs for "Users" (selected) and "Applications". Below this, there's a table titled "Users in this group (2)" showing two users: "career.coach.one" and "career.coach.two". Both users are listed as "Enabled" with their respective emails.

APPLICATION

The screenshot shows the Amazon Q Application interface. On the left, there's a sidebar with "Apps" selected, showing "CareerCoachApp" as recently viewed. The main area displays the "CareerCoachApp" application, which is described as "A stack example of Amazon Q App" and "A stack example of Amazon Q App". It features several cards: "Recommendation by Coach", "Training Recommendation", "Schedule", and "Skill Gap Analysis". Each card has a note indicating it generates text as soon as CV and Job Profile are uploaded. At the bottom, there are two input fields: "Upload CV" and "Upload Job Profile", both with the placeholder "Drag and drop to upload or Browse for file". Below these inputs is a button labeled "Generate output".

Generating Results

The screenshot shows the 'CareerCoachApp' interface. It features three main cards: 'Recommendation by Coach' (Analysis of David Otieno's CV and Career Path), 'Training Recommendation' (Training Recommendations for David Otieno), and 'Schedule' (Performance Improvement Schedule). A modal window titled 'Skill Gap Analysis' is overlaid on the page. This modal contains a table with the following data:

Skill Area	Current Proficiency	Required Level	Gap Assessment	Recommended Development Path
Data Analytics	Basic (Interest only)	Advanced	Significant	Complete FIFA-endorsed Sports Analytics Course; supplement with online courses in statistical analysis for sports performance.
Technical Skills	Intermediate	Expert	Minor	Attend AI sports technology workshop focusing on wearable tech.

Below the table, there are two input fields: 'Upload CV' containing 'My_CV.pdf' and 'Upload Job Profile' containing 'AWS_BI_Engineer_Project.pdf'. A 'Reset' button is located at the bottom right of the modal.

Functionality of added components

The screenshot shows the 'CareerCoachApp' interface. It features three main cards: 'Recommendation by Coach' (Recommendations for David Otieno as a Head Coach), 'Training Recommendation' (Training Recommendations in Priority Order), and 'Schedule' (5-Month Extra Activity Schedule to Improve Performance). The 'Recommendation by Coach' card is expanded to show detailed recommendations:

- Leverage Your Strengths**
 - Continue building on your proven record of guiding teams to success, as demonstrated by your top 3 finish with Mombasa Stars FC.
 - Utilize your youth development experience from Kikuyu Young Talents Academy to nurture emerging talent.
- Professional Development**
 - Pursue higher coaching licenses beyond your current CAF D License to expand your tactical knowledge.
 - Consider specialized certifications in sports nutrition to complement your personal interest in this area.
- Technical Focus Areas**

The 'Training Recommendation' card displays a priority-based list of training recommendations:

- Priority 1: Technical Skills Development**
 - Implement structured drills focusing on fundamental skills (passing, shooting, ball control).
 - Create progressive skill development programs tailored to different player positions.
 - Incorporate technical benchmarking to measure improvement.
- Priority 2: Tactical Understanding**
 - Conduct regular tactical sessions using video analysis and whiteboard sessions.
 - Develop position-specific tactical awareness training.
 - Implement game situation simulations to improve decision-making.

The 'Schedule' card shows a 5-month plan to improve performance:

- Month 1: Technical Foundations**
 - Week 1-2: Extra 30-minute ball mastery sessions after regular training (2x weekly).
 - Week 3-4: Position-specific technical drills focusing on passing accuracy and first touch (2x weekly).
 - Assessment: Technical skills evaluation to establish baseline metrics.
- Month 2: Tactical Understanding**
 - Week 1-2: Video analysis sessions (45 minutes, 2x weekly) studying professional matches.
 - Week 3-4: Tactical board sessions followed by practical application.

Skill Gap Analysis Output card

Upload Job Profile are filled

file and Upload CV are filled

Output

Title
Skill Gap Analysis

Prompt ⓘ
Title: Skill Gap Analysis

Analyze **Upload Job Profile** and **Upload CV** and perform a skill gap analysis. Display output in a table format, and restrict it to 5 skills only.

Source ⓘ
Attached files

Delete card Save

SYNC

Sync started successfully at Nov 20, 2025, 7:23 AM GMT+3.
Amazon Q Business is syncing the following data source: 'my-data-saurch'. It can take from a few minutes to a few hours. Sync speeds are limited by factors such as remote repository throughput and throttling, network bandwidth, and the size of documents.

my-data-saurch

Data source details

Name	Status	Last sync status
my-data-saurch	Active	-
Description	Type	Last sync time
-	S3V2	-
Data source ID	IAM role ARN	Current sync state
79a07c07-c261-4477-8591-d8466fc45c0d	am:awsiam:669375921475:role/QBusinessDataRole	1 Syncing - crawling Syncing - Indexing

Sync now Stop sync Actions

This information isn't currently available.

Was this content helpful?

Yes No

Sync history Troubleshooting tools - new Settings Tags

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Daily sync is configured

Locate the folder that has your metadata JSON

[Browse S3](#)

► **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** [Edit](#)

Sync run schedule [Help](#)

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

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

Daily

Start time

Last Sync: 21 AM (UTC+3)

► **Tags - optional** [Edit](#)

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

UPLOADED FILES

S3 Bucket files

The screenshot shows the AWS S3 'Upload' interface. At the top, it says 'us-west-2.console.aws.amazon.com/S3/upload/career-coach-course-demo?region=us-west-2'. Below that, the breadcrumb navigation shows 'AWS > Amazon S3 > Buckets > career-coach-course-demo > Upload'. The main area is titled 'Upload' with a sub-section 'info'. It instructs users to 'Add the files and folders you want to upload to S3. To upload a file larger than 16GB, use the AWS CLI, AWS S3n or Amazon S3 REST API.' A large text input field is present for dragging and dropping files. Below this is a table titled 'Files and folders (2 total, 65.1 KB)' showing two PDF files: 'Achievement_coach.pdf' and 'coach_profile.pdf'. There are buttons for 'Remove', 'Add files', and 'Add folder'. The 'Destination' section shows the URL 's3://career-coach-course-demo/'. The 'Permissions' section indicates 'Grant public access and access to other AWS accounts'. The status bar at the bottom right shows 'Account ID: 000000000000' and 'Endpoint: us-west-2.console.aws.amazon.com'.

BUCKET

The screenshot shows the AWS S3 'Buckets' interface. At the top, it says 'us-west-2.console.aws.amazon.com/S3/buckets'. Below that, the breadcrumb navigation shows 'AWS > Amazon S3 > Buckets'. A green banner at the top left says 'Successfully created bucket "coachbucket"'. It includes a link 'To upload files and folders, or to configure additional bucket settings, choose View details.' On the left, there are tabs for 'General purpose buckets' (selected), 'All AWS Regions', and 'Directory buckets'. The 'General purpose buckets' table lists two buckets: 'career-coach-course-demo' (created on November 20, 2020) and 'coachbucket' (created on December 7, 2020). On the right, there are three sections: 'Account snapshot' (updated daily), 'View dashboard', 'Storage costs provide visibility into storage usage and activity trends.', and 'External access summary - new' (updated daily), which provides information about bucket permissions that allow public access or access from other AWS accounts.

Access control

The screenshot shows a web browser window titled "Career Coach Assistant". The URL is `jowco41.chat.qbusiness.us-west-2.on.aws/#/chat/2973379-1540-4a63-9045-6906da70f65`. The main content area displays a question from an AI assistant: "Where is the person live everyday". Below it, a message from a user says: "I cannot complete this request as the response contains content that is blocked by your Admin. Please contact your Admin for help." At the bottom of the interface, there are tabs for "Company knowledge" and "General knowledge", and a search bar with the placeholder "Ask a follow-up question". There are also buttons for "Plugins" and "Advanced search". On the left side, there is a sidebar with icons for "Feedback", "Help", and "Logout".

Blocked words

The screenshot shows the Amazon Q Business interface. On the left, there's a sidebar with sections like Enhancements, Actions, and Insights. The main area is titled "Admin controls and guardrails". A prominent green success message box says "Successfully updated global controls". Below it, under "Feature settings", there are two options: "Allow end users to upload files in chat content" (status: On) and "Allow end users of the web experience to create and use Amazon Q Apps" (status: On). Under "Blocked words (5)", there are five listed: Word, Gambling, Casino, Attack, and Self-harm. At the bottom right of the main area, there are links for "Privacy", "Terms", and "Cookie preferences".

ACL file created

This screenshot shows the AWS CloudFront console. At the top, a green message box says "Upload succeeded. For more information, see the Files and folders table." Below it, the "Summary" section shows the destination as "s3://career-coach-course-demo" with a breakdown: "Succeeded" (1 file, 301.0 B (100.00%)) and "Failed" (0 files, 0 B (0%)). The "Files and folders" tab is selected, showing a table with one item: "restricted-courses.acl.json". The table columns are Name, Folder, Type, Size, Status, and Error. The status for the file is "Succeeded". At the bottom, there are links for "CloudShell" and "Feedback".

ACL full configuration

```
restricted-course-acl - Notepad
File Edit Format View Help
{
  {
    "keyPrefix": "Football_Coach_CV.pdf",
    "aclEntries": [
      {
        "Name": "career.coach.two",
        "Type": "USER",
        "Access": "ALLOW"
      },
      {
        "Name": "career.coach.one",
        "Type": "USER",
        "Access": "DENY"
      }
    ],
    {
      "keyPrefix": "Achievement_coach.pdf",
      "aclEntries": [
        {
          "Name": "career.coach.one",
          "Type": "USER",
          "Access": "ALLOW"
        },
        {
          "Name": "career.coach.two",
          "Type": "USER",
          "Access": "ALLOW"
        }
      ]
    }
}
```

Uploaded ACL file to my S3 bucket.

The screenshot shows the AWS S3 console interface. At the top, there's a navigation bar with 'Amazon S3' and 'Buckets' followed by the path 'career-coach-course-demo'. Below the navigation is a header with tabs: 'Objects' (which is selected), 'Metadata', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. Under the 'Objects' tab, there's a sub-header 'Objects (3)'. A note below it says: 'Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventories to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions.' There's a link 'Learn more' with a question mark icon. Below the note is a search bar with the placeholder 'Find objects by prefix' and a dropdown menu. To the right of the search bar are several actions: 'Copy to URI', 'Copy URL', 'Download', 'Open in', 'Delete', 'Actions' (with a dropdown arrow), 'Create folder', and a trash bin icon. The main area displays a table of objects:

Name	Type	Last modified	Size	Storage class
Achievement_coach.pdf	pdf	December 7, 2025, 12:00:49 (UTC+03:00)	62.4 KB	Standard
Football_Coach_CV.pdf	pdf	November 26, 2025, 04:01:17 (UTC+03:00)	2.7 KB	Standard
restricted-course-acl.json	json	December 7, 2025, 12:40:50 (UTC+03:00)	225.0 B	Standard

ACL Path provided in S3 configuration

The screenshot shows the AWS Lambda function configuration page. In the 'Access control list (ACL) configuration file location - optional' field, the value 's3://CareerCoach-course-demos/test-coded-courses-acl.json' is entered. Below this, there are sections for 'Metadata files folder location - optional', 'Filter patterns - optional', 'Multi-media content configuration - optional', and 'Advanced Settings - optional'. Under 'Sync run schedule', the frequency is set to 'Daily' at '03:45' UTC. A note states: 'Job runs every 6 hours 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.' The status bar at the bottom shows the date as 12/17/2023 and the time as 1:47 PM.

ACCESS ALLOWED(user allowed to get the answer)

The screenshot shows the LinkedIn Learning interface. A course titled 'what are the Achievement of coach' is displayed. The course description reads: 'The coach has achieved several notable professional accomplishments throughout their career. They successfully guided their team to a 10-match unbeaten streak in 2021. [] They improved the team's defensive record by reducing goals conceded by 35% in a single season. [] The coach trained two academy players who were later signed by National Super League clubs. [] They introduced modern conditioning drills that increased team stamina by 25% and led their team to win the Regional Coaches Fair Play Award in 2020. [] The coach developed a structured youth pathway that produced five senior-team promotions and achieved the Best Tactical Coach Award during a regional coaching clinic in 2023. [] Additionally, they organized and led successful pre-season training camps that improved squad cohesion, implemented video match analysis that improved decision-making in key matches, and were recognized for excellence in player development and discipline by club management. []' Below the course description are buttons for 'Events' and 'Sources'. At the bottom, there are tabs for 'Company knowledge' and 'General knowledge'.

ACCESS DENIED(user no allowed to get answer)

The screenshot shows the Career Coach Assistant interface. On the left is a sidebar with icons for Chat, Library, Apps, Feedback, Info, and Out. The main area has a header "Career Coach Assistant" and a "Create Amazon Q App" button. A search bar contains the query "what are the Achievement of coach". Below the search bar, a message says "No answer is found". There are buttons for "Events" and "Sources". To the right are four small icons: a thumbs up, a thumbs down, a share icon, and a refresh icon. At the bottom, there are tabs for "Company knowledge" (selected), "General knowledge", and an info icon. A search bar below the tabs has placeholder text "Ask a followup question" and a "Plugins" checkbox. A note at the bottom states "Amazon Q Business uses generative AI. You may need to verify responses for accuracy. AWS Responsible AI Policy".

ADDED CUSTOM LABELS

The screenshot shows the "Edit custom labels" page in the AWS Lambda console. The URL is [https://lambda.us-east-1.amazonaws.com/api/v2/functions/lambda-function-name/edit/custom-labels](#). The page title is "Edit custom labels". It displays a table of custom labels with columns for "Label" and "Color". The labels listed are: Legal (Grey), Marketing (Pink), Product (Purple), Governance (Green), Dev (Black), IT (Yellow), Support (Blue), Quality Assurance (Light Blue), Customer Experience (Orange), and AI Research (Blue). Each label has a color swatch and a "Remove" button. At the bottom, there is a "Save" button.

HR SELECTED (App is shared)

The screenshot shows a modal window titled "Edit categories". On the left, there's a preview area for the "CareerCoachApp" which has been published by 1 user on December 7, 2025. The app is described as "A quick example of Amazon Q Apps' capabilities". It features three buttons: "HR", "Support", and "General". The "General" button is highlighted with a blue border. Below the preview, there are two buttons: a downward arrow icon and an "Open" button. On the right side of the modal, there is a list of categories with checkboxes next to them. The categories are grouped into sections: "HR", "IT", "Support", "Supply Chain", "Sales", and "General".

← Edit categories

Preview

HR Support General

CareerCoachApp

1 user | Published on December 7, 2025

A quick example of Amazon Q Apps' capabilities

Open

Categories

- Legal
- Marketing
- Finance
- Operations
- HR**
- IT
- Support**
- Supply Chain
- Sales
- General**

Marked as verified

The screenshot shows the 'Amazon Q Apps' library interface. On the left, there's a sidebar with navigation links like 'Amazon Q Business', 'Enhancements', 'Actions', and 'Highlights'. The main area is titled 'Amazon Q Apps' and shows a table of published apps. One app is listed: 'CareerCoachApp' (Description: 'A quick example of Amazon Q Apps...'). There are buttons for 'Remove from library' and 'Update status' at the top right.

The screenshot shows the Amazon Q mobile application interface. The left sidebar has icons for 'Chat', 'Library', and 'Apps'. The main screen shows a 'Recently used' section with a card for 'CareerCoachApp'. The card includes the app icon, the name 'CareerCoachApp', the status 'Published' with a checkmark, and a brief description 'A quick example of Amazon Q Apps...'. There's also a small edit icon at the bottom right of the card.

FINAL SCREENSHOT

