

AI technology in *Machine Learning for Kids* is provided by Watson services in IBM Cloud.

This means you need to create an IBM Cloud account and create some Watson services to add to your *Machine Learning for Kids* class.

Creating an IBM Cloud account is free.

Creating “**Lite Plan**” Watson services is **free**, but have restrictions on the number of machine learning models you can create with them.

Creating “Standard Plan” or “Plus Plan” Watson services increases these restrictions.

When you sign up you are given \$200 credit to get started and pay per use after that.

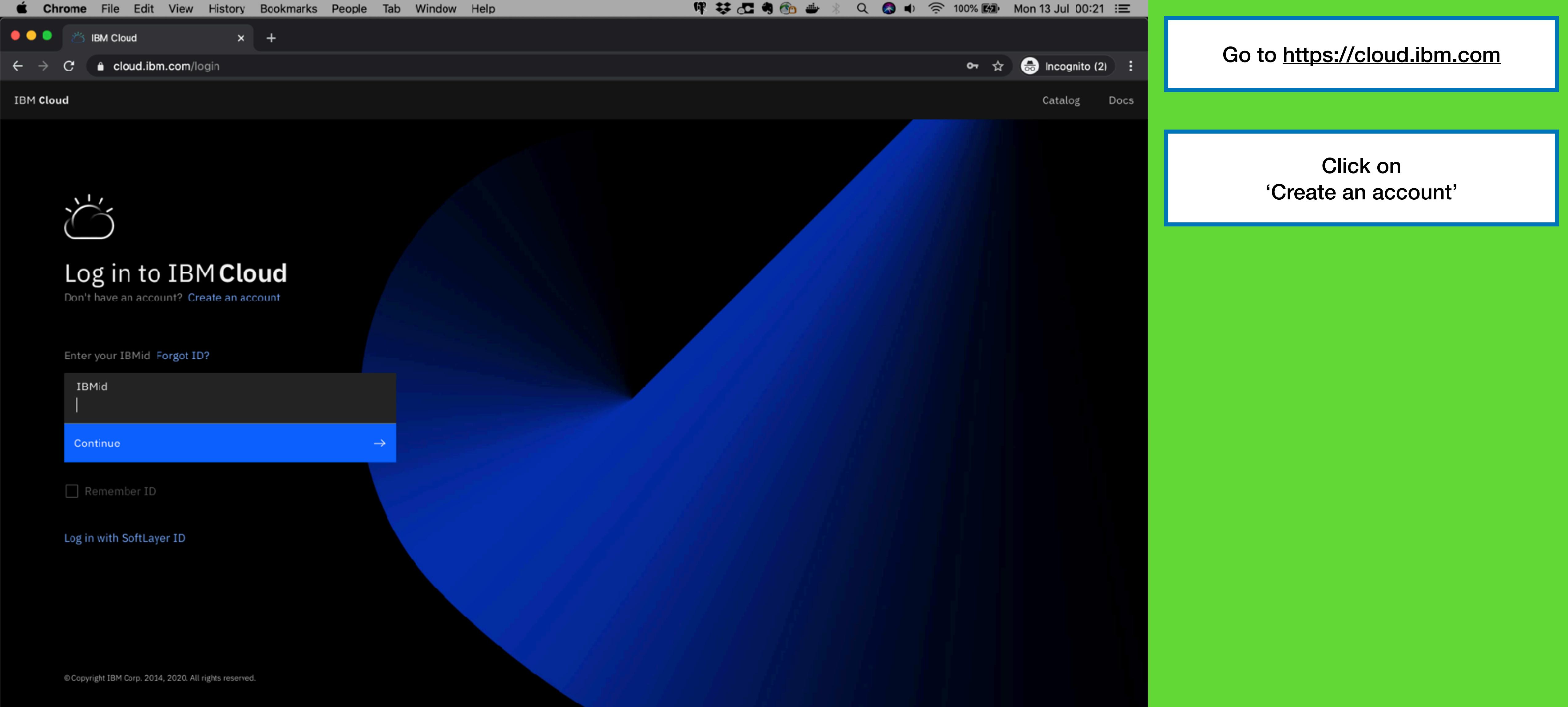
This document gives you step-by-step instructions for how to do all of this.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing



Go to <https://cloud.ibm.com>

Click on
'Create an account'

1.
Create your IBM Cloud
account

2.
Create credentials
for text projects

3.
Create credentials
for images projects

4.
Billing

Sign up for IBM Cloud [x](#)

cloud.ibm.com/registration

Incognito (2)

Catalog Docs

IBM Cloud



Already have an IBM Cloud account? [Log in](#)

Create an account

1. Account information

Email

 →

Password

 ⓘ

Next ↓

2. Verify email

3. Personal information

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Build for free on IBM Cloud

Develop for free, no credit card required

Apps, AI, analytics, and more. Build with 40+ Lite plan services at no cost to you - ever.

Access the full catalog at your fingertips

Upgrade your account and unlock 190+ unique offerings, plus get a \$200 credit to use with any offering you want. [Learn more.](#)

Cookie Preferences

Sign up for a free account at
IBM Cloud

Sign up for IBM Cloud [x](#) +

← → C cloud.ibm.com/registration

IBM Cloud [Catalog](#) [Docs](#)



Already have an IBM Cloud account? [Log in](#)

Create an account

1. Account information

Email

mlforkidsdoc@ageokfc.com

Password

.....

[Next](#)

2. Verify email

3. Personal information

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1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Provide an email address and choose a password to use

Sign up for IBM Cloud [x](#)

cloud.ibm.com/registration

IBM Cloud [Incognito \(2\)](#)

Catalog Docs



Already have an IBM Cloud account? [Log in](#)

Create an account

1. Account information ✓

[Edit](#)

mlforkidsdoc@ageokfc.com

.....

2. Verify email

We sent a 7-digit verification code to **mlforkidsdoc@ageokfc.com**. This code is valid for 30 minutes. Want to create this account with a different email? [Edit email](#).

Verification code

 !

Verification code is required.

[Next](#) ↓ [Resend code](#)

3. Personal information

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

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Access the full catalog at your fingertips

Upgrade your account and unlock 190+ unique offerings, plus get a \$200 credit to use with any offering you want. [Learn more](#).

Verify your email address

Sign up for IBM Cloud x +

cloud.ibm.com/registration

IBM Cloud

Create an account

1. Account information ✓

mlforkidsdoc@ageokfc.com

.....

2. Verify email ✓

Your email is verified.

3. Personal information

Lite plan services are always free, guaranteed. You'll be charged only if you use any billable plans. [Learn more](#)

First name Last name

Country or region

[Next](#) ↓

Build for free on IBM Cloud

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Apps, AI, analytics, and more. Build with 40+ Lite plan services at no cost to you - ever.

Access the full catalog at your fingertips
Upgrade your account and unlock 190+ unique offerings, plus get a \$200 credit to use with any offering you want. [Learn more](#).

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Enter your name and country

Sign up for IBM Cloud [x](#) +

cloud.ibm.com/registration

IBM Cloud [Catalog](#) [Docs](#)

Already have an IBM Cloud account? [Log in](#)

Create an account

1. Account information [Edit](#)

mlforkidsdoc@ageokfc.com
.....

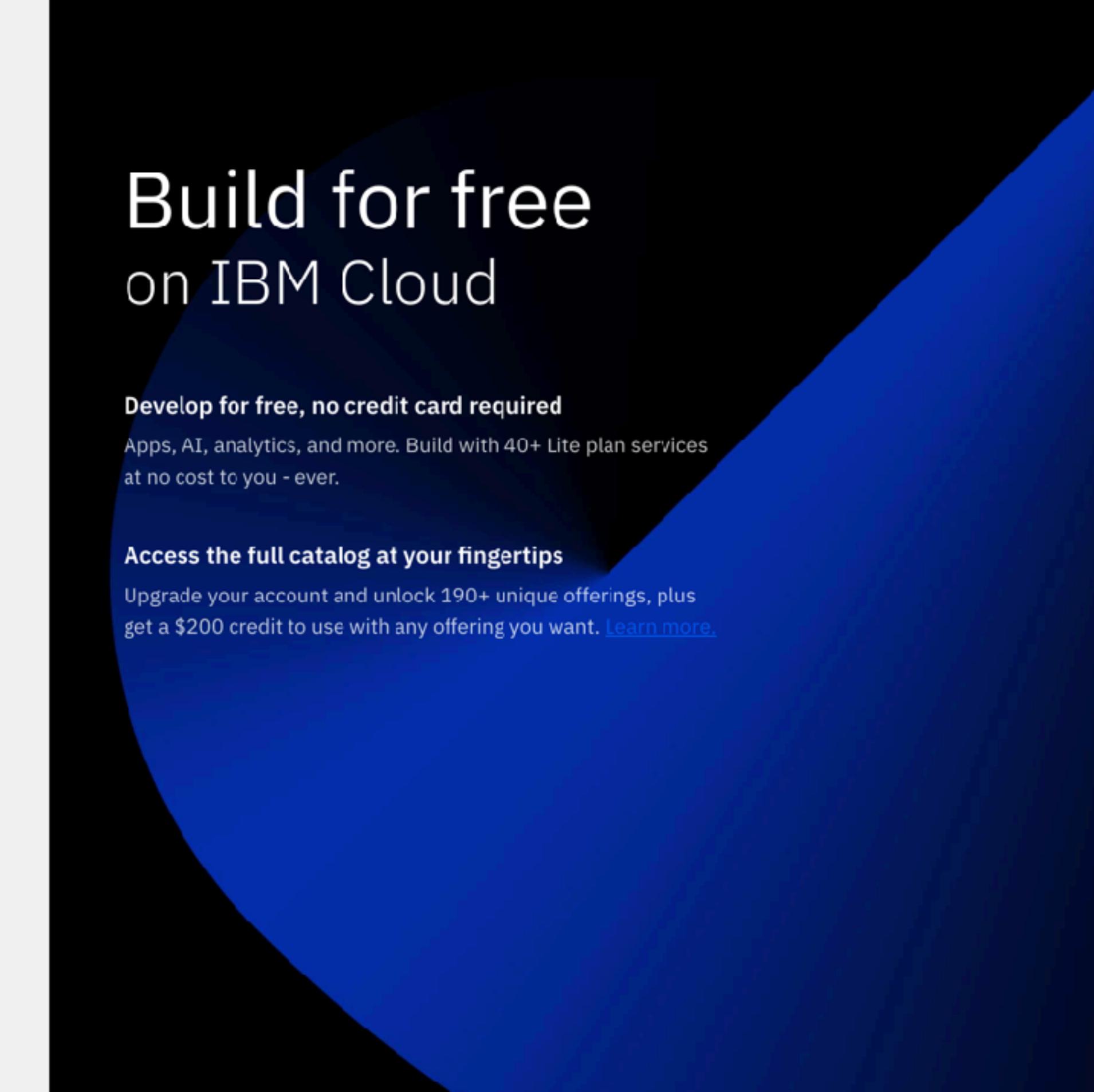
2. Verify email [Edit](#)

Your email is verified.

3. Personal information [Edit](#)

Personal account
Teacher Demo
United Kingdom

[Create account](#) →



Build for free
on IBM Cloud

Develop for free, no credit card required
Apps, AI, analytics, and more. Build with 40+ Lite plan services at no cost to you - ever.

Access the full catalog at your fingertips
Upgrade your account and unlock 190+ unique offerings, plus get a \$200 credit to use with any offering you want. [Learn more.](#)

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Click 'Create account'

Chrome File Edit View History Bookmarks People Window Help

100% Fri 19 Apr 23:11

About your IBMid Account Privacy +

← → C https://myibm.ibm.com/elanotice/5/en-us/notice.html?t=eyJhbGciOiJIUzI1NilsInR5cCI6IkpxVCJ9.eyJ1c2VySUQiOiJtbGZvcmtpZHNkb2NAZ21h... Incognito :

About your IBMid Account Privacy

This notice provides information about accessing your IBMid user account (Account). If you have previously been presented with a version of this notice, please refer to “Changes since the previous version of this notice” below for information about the new updates.

- + Changes since the previous version of this notice
- + What data does IBM collect?
- + Why IBM needs your data
- + How your data was obtained
- + How IBM uses your data
- + How IBM protects your data
- + How long we keep your data

1. Create your IBM Cloud account
2. Create credentials for text projects
3. Create credentials for images projects
4. Billing

Review & accept the Privacy Policy

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:32

IBM Cloud cloud.ibm.com Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Upgrade Customize Create resource +

Resource summary Welcome! Get started with IBM Cloud by creating services and other resources. Create a resource →

Try spinning up an app using [starter kits](#)

Planned maintenance View all

For you Find meaning in visual content. Analyze images for scenes, objects, faces, and other content with Visual Recognition.

Use Visual Recognition

Go to the catalog to find services, infrastructure, and templates.

Explore offerings

REFRESH FEEDBACK

News View all

Anta turns to IBM Services and SAP S/4HANA® to lay foundation for intelligent workflows

IBM to Acquire WDG Automation to Advance AI-Infused Automation Capabilities for Enterprises

IBM Named Leader in the 2020 IaaS Value Matrix by Nucleus Research

CINECA Chooses IBM POWER9 with NVIDIA

Recent support cases View all

User access Manage users

Enter email addresses below to jump directly into the invite user setup:

Enter up to 100 email addresses

IBM Cloud status View all

Your IBM Cloud account is now ready to use.

Click “Create resource” in the top right

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:34

Catalog - IBM Cloud cloud.ibm.com/catalog Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

IBM Cloud products

Over 200 products available for you to customize and build the solutions that you need for your business

Search the catalog...

Recommended for you

These recommended products are complementary to the resources that you're already working with.

Visual Recognition
IBM • Services • AI / Machine Learning
Find meaning in visual content! Analyze images for scenes, objects, and other content. Choose a default model off the...
Lite • Free • IAM-enabled

Watson Studio
IBM • Services • AI / Machine Learning
Embed AI and machine learning into your business. Create custom models using your own data.
Lite • Free • IAM-enabled

Cloud Foundry
IBM • Services • Compute
Create and deploy applications on a managed multi-tenant Cloud Foundry environment
Lite

Watson Assistant
IBM • Services • AI / Machine Learning
Watson Assistant lets you build

Db2
IBM • Services • Databases
Deploy and scale a fully managed, highly available database system

Speech to Text
IBM • Services • AI / Machine Learning
Low-latency, streaming transcription

FEEDBACK

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

This is where you find the range of services that are available in IBM Cloud.

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:35

Catalog - IBM Cloud

cloud.ibm.com/catalog?search=assistant#search_results

IBM Cloud

Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Catalog

Search results for 'assistant' 4 results

Watson Assistant
IBM • Services • AI / Machine Learning
Watson Assistant lets you build conversational interfaces into any application, device, or channel.
Lite • Free • IAM-enabled

Cassandra
Third party • Software • Databases • Developer Tools
Apache Cassandra is a free and open-source distributed database management system designed to handle large amounts of data across many...

Compose for ScyllaDB
IBM • Services • Databases
ScyllaDB is a highly performant, in-place replacement for the Cassandra wide-column distributed database.
Beta

Content Delivery Network
IBM • Services • Networking
Content Delivery Network (CDN) distributes your content in geographically diverse nodes and shortens the distance it has to travel to get to your end user.

Feedback

The screenshot shows the IBM Cloud Catalog interface. A search bar at the top contains the text "assistant". Below the search bar, a message says "Search results for 'assistant' 4 results". Four service cards are listed: 1. Watson Assistant (IBM Services, AI/Machine Learning, Lite, Free, IAM-enabled), 2. Cassandra (Third party, Software, Databases, Developer Tools, Apache Cassandra description), 3. Compose for ScyllaDB (IBM Services, Databases, ScyllaDB description, Beta), and 4. Content Delivery Network (IBM Services, Networking, CDN description). On the left, there is a sidebar with categories like IBM Cloud catalog, Featured, Services, Software, Consulting, Category (Networking, AI/Machine Learning, Databases, Developer Tools), Product (Services, Software), and Software (Helm charts). At the bottom, there are four numbered steps: 1. Create your IBM Cloud account, 2. Create credentials for text projects, 3. Create credentials for images projects, and 4. Billing.

Find “Watson Assistant” in the list.

The filter at the top is a good way to help you do that.

Click on “Watson Assistant”

The screenshot shows the Watson Assistant service creation page on the IBM Cloud catalog. At the top, there's a summary section with the service name 'Watson Assistant' (Free), region 'London', plan 'Lite', service name 'Watson Assistant-b4', and resource group 'Default'. Below this, there's a dropdown for selecting a region, currently set to 'London'. A note says 'Select a region' and 'Select a pricing plan'. A table lists the 'Lite' plan details: 10,000 Messages/Month, AI-Based Intent and Entity Recognition, Entity Synonym Recommendations, Visual Dialog Edit with Simple Response Types (Text, Options, Images, etc...), Prebuilt Content Available, Analytics Dashboard with 7 Days of Storage, 5 Dialog Skills, Each with 100 Dialog Nodes, Shared Public Cloud, and Disambiguation. A note at the bottom of the table says: 'The Lite plan gets you started with 10,000 API calls per month at no cost. And when you upgrade to a paid plan, you'll keep all your intents, entities, dialog flows, and chat logs.' On the right side, there are buttons for 'Create', 'Add to estimate', and 'View terms'. A 'FEEDBACK' button is also present.

Enter details for the Assistant service that you will create

The region/location that you choose doesn't really matter.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Scroll down to see the rest of the options before you click the Create button!

Chrome File Edit View History Bookmarks People Tab Window Help

Watson Assistant - IBM Cloud

cloud.ibm.com/catalog/services/watson-assistant

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Pricing Plans are next.

Plan Features Pricing

Lite

10,000 Messages/Month
AI-Based Intent and Entity Recognition
Entity Synonym Recommendations
Visual Dialog Edit with Simple Response Types (Text, Options, Images, etc...)
Prebuilt Content Available
Analytics Dashboard with 7 Days of Storage
5 Dialog Skills, Each with 100 Dialog Nodes
Shared Public Cloud
Disambiguation

The Lite plan gets you started with 10,000 API calls per month at no cost. And when you upgrade to a paid plan, you'll keep all your intents, entities, dialog flows, and chat logs.

Lite plan services are deleted after 30 days of inactivity.

Plus Trial

Everything in Plus, for 30 days, for free!
50,000 Messages
5,000 Users
Creation limits consistent with the Lite Plan

Plus

Everything in Lite, with these additions...
Unlimited Users/Month
50 Dialog and Search Skills, Unlimited Dialog Nodes for Dialog Skills
10 Versions per Dialog Skill
Web-chat and Service Desk Integrations
Intent Recommendations
Intent Conflict Detection
Analytics Dashboard with 30 days of storage

Premium

Everything in Plus, with these additions...
Analytics Dashboard with 90 Days of Storage
Up to 30 Instances with the ability to share log and analytics data across them

Watson Assistant Region: London Plan: Lite Service name: Watson Assistant-b4 Resource group: Default

FEEDBACK

Create Add to estimate View terms

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

Pricing Plans are next.

The number of “Dialog Skills” is how many machine learning models your students can have (at once) for their text projects.

If you have 10 students, and you want them to all be able to train their own text projects at the same time, then you will need 10 dialog skills.

Using the Lite plan will let you have 5 dialog skills.

Using the ML model from Scratch projects is Free in the Lite Plan (up to 10,000 times per month)

Lite services are deleted if you don't use them for 30 days, but if that happens you can come back to this page to create a replacement.

Chrome File Edit View History Bookmarks People Tab Window Help

Watson Assistant - IBM Cloud

cloud.ibm.com/catalog/services/watson-assistant

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Everything In Lite, with these additions... Unlimited Users/Month 50 Dialog and Search Skills, Unlimited Dialog Nodes for Dialog Skills 10 Versions per Dialog Skill Web-chat and Service Desk Integrations Intent Recommendations Intent Conflict Detection Analytics Dashboard with 30 days of storage \$120.00 USD/Thousand Authorized Users

Plus Everything In Lite, with these additions... Analytics Dashboard with 90 Days of Storage Up to 30 Instances with the ability to share log and analytics data across them Usage and Training Data is Private + Stored in an Isolated Single Tenant Environment Mutual Authentication Option to Disable Analytics Logging 50 Versions per Dialog Skill HIPAA - Washington DC Only

Watson Assistant Region: London Plan: Plus Trial Service name: Put Any Name In Here Resource group: Default

FEEDBACK

Create Add to estimate View terms

Configure your resource

Service name Put Any Name In Here Select a resource group Default

Tags Examples: env:dev, version-1

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

Enter in details for the Assistant service that you will create

“Service name” is a name to help you remember what you will use this for.

The name doesn't really matter.

Chrome File Edit View History Bookmarks People Tab Window Help

Watson Assistant - IBM Cloud

cloud.ibm.com/catalog/services/watson-assistant

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Everything In Lite, with these additions... Unlimited Users/Month 50 Dialog and Search Skills, Unlimited Dialog Nodes for Dialog Skills 10 Versions per Dialog Skill Web-chat and Service Desk Integrations Intent Recommendations Intent Conflict Detection Analytics Dashboard with 30 days of storage

\$120.00 USD/Thousand Authorized Users

Plus Everything in Lite, with these additions... Analytics Dashboard with 90 Days of Storage Up to 30 Instances with the ability to share log and analytics data across them Usage and Training Data is Private + Stored in an Isolated Single Tenant Environment Mutual Authentication Option to Disable Analytics Logging 50 Versions per Dialog Skill HIPAA - Washington DC Only

Premium

Configure your resource

Service name Put Any Name In Here

Select a resource group Default

Tags Examples: env:dev, version-1

Create Add to estimate View terms

When you've chosen the Pricing Plan to use, click "Create"

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:47

IBM Watson Service Page cloud.ibm.com/services/conversation/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aeu-gb%3Aa%2F75235a97f29f4bcdcb1f7a824283499a%3A54f886b7... Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'... Details Actions...

Resource list / Put Any Name In Here Active Add tags

Manage Service credentials Plan Connections

Start by launching the tool

Launch Watson Assistant Getting started tutorial API reference

Plan Plus Trial Upgrade

Credentials

API key: Download Show credentials

URL: https://api.eu-gb.assistant.watson.cloud.ibm.com/instances/54f886b7-cde2-4c7d-9c5e-ae6d2517

FEEDBACK

This is the confirmation screen once you've created your Watson Assistant instance.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

This is the confirmation screen once you've created your Watson Assistant instance.

Click Show Credentials next to the eyeball in the “Credentials” box.

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:47

IBM Watson Service Page cloud.ibm.com/services/conversation/crn%3Av1%3Abuemix%3Apublic%3Aconversation%3Aeu-gb%3Aa%2F75235a97f29f4bcdcb1f7a824283499a%3A54f886b7... Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'... Details Actions...

Resource list / Put Any Name In Here Active Add tags

Manage Service credentials Plan Connections

Start by launching the tool

Launch Watson Assistant Getting started tutorial API reference

Plan Plus Trial Upgrade

Credentials

API key: [Download](#) [Hide credentials](#)

FeepCYaSJYNEopQyzr2rC0Mhg4tqR_86HIrM-qSsoBsS

URL: <https://api.eu-gb.assistant.watson.cloud.ibm.com/instances/54f886b7-cde2-4c7d-9c5e-ae6d2517>

Copy the “API Key” value.

This is what you need to put into machinelearningforkids.co.uk

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:48

IBM Watson Service Page cloud.ibm.com/services/conversation/crn%3Av1%3Abuemix%3Apublic%3Aconversation%3Aeu-gb%3Aa%2F75235a97f29f4bcdcb1f7a824283499a%3A54f886b7... Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'... Details Actions...

Dashboard Resource List

Here Active Add tags

Start by launching the tool

Launch Watson Assistant Getting started tutorial API reference

Plan Plus Trial Upgrade

Credentials

API key: Download Hide credentials

FeepCYaSJYNEopQyzr2rC0Mhg4bqR_86HIrM-qSsoBsS

URL: https://api.eu-gb.assistant.watson.cloud.ibm.com/instances/54f886b7-cde2-4c7d-9c5e-ae6d2517

FEEDBACK

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

Click on the four lines near the top left to find the menu that will get you back to the “Resource List”

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:49

Resource list - IBM Cloud

cloud.ibm.com/resources

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Create resource +

Name Group Location Offering Status Tags

Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...

Devices (0)

VPC infrastructure (0)

Clusters (0)

Cloud Foundry apps (0)

Cloud Foundry services (0)

Services (1)

Put Any Name In Here Default London Watson Assistant Active - :

Storage (0)

Network (0)

Cloud Foundry enterprise environments (0)

Functions namespaces (0)

Apps (0)

Developer tools (0)

VMware (0)

Cloudant databases (0)

FEEDBACK

The screenshot shows the IBM Cloud Resource list page. At the top, there's a navigation bar with links for Catalog, Docs, Support, Manage, and Teacher Demo'. Below the navigation is a search bar labeled 'Search resources and offerings...' and a 'Create resource +' button. The main area is titled 'Resource list' and contains a table with columns: Name, Group, Location, Offering, Status, and Tags. There are five filter input fields below the table headers. The 'Services' section is expanded, showing one item: 'Watson Assistant' with details: Put Any Name In Here, Default, London, Watson Assistant, Active status, and a delete icon. To the left of the main content is a sidebar with various icons and sections like Devices, VPC infrastructure, Clusters, etc.

The Resource List shows the services that you've created.

If you go click Create resource and create another Watson Assistant service, you'll see each of them in the list here.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:49

Resource list - IBM Cloud

cloud.ibm.com/resources

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Create resource +

Name Group Location Offering Status Tags

Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...

Devices (0)

VPC infrastructure (0)

Clusters (0)

Cloud Foundry apps (0)

Cloud Foundry services (0)

Services (1)

Put Any Name In Here Default London Watson Assistant Active - :

Storage (0)

Network (0)

Cloud Foundry enterprise environments (0)

Functions namespaces (0)

Apps (0)

Developer tools (0)

VMware (0)

Cloudant databases (0)

FEEDBACK

This screenshot shows the IBM Cloud Resource list interface. At the top, there's a navigation bar with links for Catalog, Docs, Support, Manage, and Teacher Demo'. Below the navigation is a search bar labeled 'Search resources and offerings...' and a 'Create resource +' button. The main area is a table with columns: Name, Group, Location, Offering, Status, and Tags. There are five filter input fields above the table. On the left side, there's a sidebar with a tree view of service categories: Devices (0), VPC infrastructure (0), Clusters (0), Cloud Foundry apps (0), Cloud Foundry services (0), Services (1), Storage (0), Network (0), Cloud Foundry enterprise environments (0), Functions namespaces (0), Apps (0), Developer tools (0), VMware (0), and Cloudant databases (0). A 'FEEDBACK' button is located on the right side of the table.

Click Create resource
in the top right of the resource list

This is where you find the range
of services that are available
in IBM Cloud.

1.
Create your IBM Cloud account

2.
Create credentials
for text projects

3.
Create credentials
for images projects

4.
Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 00:50

Catalog - IBM Cloud

cloud.ibm.com/catalog?search=visual%20recognition#search_results

IBM Cloud

Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Catalog

Search results for 'visual recognition' 3 results

Visual Recognition
IBM • Services • AI / Machine Learning

Find meaning in visual content! Analyze images for scenes, objects, and other content. Choose a default model off the shelf, or create your own custom...

Lite • Free • IAM-enabled

Visual Recognition Node.js App
IBM • Software • AI / Machine Learning

Use deep learning algorithms to analyze images that can give you insights into your visual content.

Starter kits • IBM Kubernetes Service • Red Hat OpenShift

Custom Vision Model for Core ML with Watson
IBM • Software • AI / Machine Learning

Create Apple Core ML Models using the Watson Visual Recognition service to process and tag images locally.

Starter kits

FEEDBACK

https://cloud.ibm.com/catalog/services/visual-recognition

Find “Visual Recognition” in the list.

The filter at the top is a good way to help you do that.

Click on “Visual Recognition”

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Visual Recognition - IBM Cloud X +

← → C cloud.ibm.com/catalog/services/visual-recognition

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Catalog / Services /

Visual Recognition

Author: IBM • Date of last update: 05/06/2020 • [Docs](#) • [API docs](#)

Create About

Select a region

Select a region

Dallas

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: [United States](#)

Plan	Features	Pricing
Lite	<p>1,000 Events per month towards:</p> <p>Pre-trained model classification (General, Food, Explicit) (images)</p> <p>Custom Model classification (images)</p> <p>Custom Model training (images)</p> <p>2 Custom Models</p> <p>1 Lite Plan instance per IBM Cloud Organization</p> <p>Free Exports to Core ML</p>	Free

The Lite Plan gets you started with 1,000 events (images) per month and the ability to train two Custom Models. Users wishing to use more premium features or increase usage must upgrade to a Standard Plan or a Subscription Plan.

Lite plan services are deleted after 30 days of inactivity.

Summary

Visual Recognition Free

Region: Dallas

Plan: Lite

Service name: Visual Recognition-sv

Resource group: Default

FEEDBACK

Create

Add to estimate

View terms

Enter details for the Visual Recognition service that you will create

The region/location that you choose
doesn't really matter.

Scroll down to see the rest of the options before you click the Create button!

Chrome File Edit View History Bookmarks People Tab Window Help

Visual Recognition - IBM Cloud

cloud.ibm.com/catalog/services/visual-recognition

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Pricing Plans are next.

The number of “Custom Models” is how many machine learning models your students can have (at once) for their images projects.

If you have 10 students, and you want them to all be able to train their own images projects at the same time, then you need 10 custom models.

Using the Lite plan will let you have 2 custom models.

Using the ML model from Scratch projects is Free in the Lite Plan (up to 1,000 times per month)

Lite services are deleted if you don't use them for 30 days, but if that happens you can come back to this page to create a replacement.

Plan

Features

Pricing

Lite

1,000 Events per month towards:
Pre-trained model classification (General, Food, Explicit) (images)
Custom Model classification (images)
Custom Model training (images)
2 Custom Models
1 Lite Plan instance per IBM Cloud Organization
Free Exports to Core ML

Free

The Lite Plan gets you started with 1,000 events (images) per month and the ability to train two Custom Models. Users wishing to use more premium features or increase usage must upgrade to a Standard Plan or a Subscription Plan.

Lite plan services are deleted after 30 days of inactivity.

Standard

Access to everything from the Lite Plan including...
Train up to 100,000 images per month (only charged if training occurs during the month)
Unlimited image classifications per month (charged per image)
Unlimited custom models
Unlimited free exports to Core ML

\$0.002 USD/General Tagging Event
\$0.002 USD/Custom Tagging Events
\$0.002 USD/Food Tagging Events
\$0.002 USD/Explicit Tagging Events
\$0.002 USD/Object Detection Events
\$50.00 USD/Training Events

Configure your resource

Service name: Visual Recognition-sv

Select a resource group: Default

Create

Add to estimate

View terms

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

The screenshot shows the IBM Cloud Visual Recognition service catalog page. It displays two pricing plans: Lite and Standard. The Lite plan is free and includes 1,000 events per month towards pre-trained model classification (General, Food, Explicit) and custom model training. The Standard plan costs \$0.002 USD per event and includes access to everything from the Lite plan plus unlimited image classifications and custom models. A note states that the Watson Visual Recognition Standard Plan is pay per use, on an event (images) basis. Configuration options include service name (Visual Recognition-sv), resource group (Default), and tags (env:dev, version-1). A summary panel on the right shows the service is named "Visual Recognition" with Region: Dallas, Plan: Standard, Service name: Visual Recognition-sv, and Resource group: Default. Buttons for "Create", "Add to estimate", and "View terms" are also present.

Plan	Features	Pricing
Lite	1,000 Events per month towards: Pre-trained model classification (General, Food, Explicit) (images) Custom Model classification (images) Custom Model training (images) 2 Custom Models 1 Lite Plan instance per IBM Cloud Organization Free Exports to Core ML	Free
Standard	Access to everything from the Lite Plan including... Train up to 100,000 images per month (only charged if training occurs during the month) Unlimited image classifications per month (charged per image) Unlimited custom models Unlimited free exports to Core ML	\$0.002 USD/General Tagging Event \$0.002 USD/Custom Tagging Events \$0.002 USD/Food TaggingEvents \$0.002 USD/Explicit Tagging Events \$0.002 USD/Object Detection Events \$50.00 USD/Training Events

The Watson Visual Recognition Standard Plan is pay per use, on an event (images) basis. Full pricing can be found below.

Configure your resource

Service name: Visual Recognition-sv

Select a resource group: Default

Tags: Examples: env:dev, version-1

Summary

Visual Recognition

Region: Dallas
Plan: Standard
Service name: Visual Recognition-sv
Resource group: Default

Create

Add to estimate

View terms

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

With the “Standard” plan, creating machine learning models for images projects will cost \$50 or £35.13 per month.

You can train as many models as you like during the month.

The total number of training images for all of these models must not exceed 100,000.

Using the ML model from Scratch projects costs £0.00121 in the Standard Plan every time you use the model to recognise an image.

The screenshot shows the IBM Cloud Visual Recognition service catalog page. It displays two service plans: Lite and Standard. The Lite plan is selected and shown in detail. The summary for the Visual Recognition service includes:

- Region: Dallas
- Plan: Lite
- Service name: Put Another Name In Here
- Resource group: Default

The configuration section allows users to enter a service name (Put Another Name In Here), select a resource group (Default), and add tags (Examples: env:dev, version-1). A blue 'Create' button is prominently displayed.

Enter in details for the Visual Recognition service that you will create

"Service name" is a name to help you remember what you will use this for.

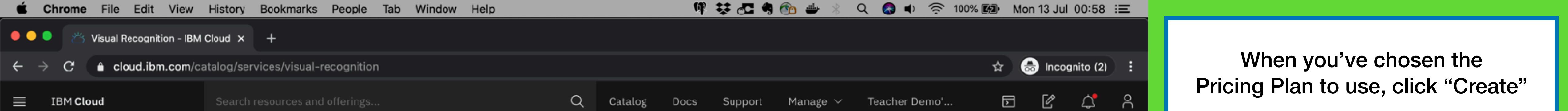
The name doesn't really matter.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing



When you've chosen the
Pricing Plan to use, click "Create"

Visual Recognition - IBM Cloud

cloud.ibm.com/catalog/services/visual-recognition

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage Teacher Demo'...

Pricing

Lite

1,000 Events per month towards:

- Pre-trained model classification (General, Food, Explicit) (images)
- Custom Model classification (images)
- Custom Model training (images)
- 2 Custom Models
- 1 Lite Plan instance per IBM Cloud Organization
- Free Exports to Core ML

The Lite Plan gets you started with 1,000 events (images) per month and the ability to train two Custom Models. Users wishing to use more premium features or increase usage must upgrade to a Standard Plan or a Subscription Plan.

Lite plan services are deleted after 30 days of inactivity.

Standard

Access to everything from the Lite Plan including...

- Train up to 100,000 images per month (only charged if training occurs during the month)
- Unlimited image classifications per month (charged per image)
- Unlimited custom models
- Unlimited free exports to Core ML

\$0.002 USD/General Tagging Event
\$0.002 USD/Custom Tagging Events
\$0.002 USD/Food TaggingEvents
\$0.002 USD/Explicit Tagging Events
\$0.002 USD/Object Detection Events
\$50.00 USD/Training Events

Configure your resource

Service name: Put Another Name In Here

Select a resource group: Default

Tags: Examples: env:dev, version-1

View terms

Create

Add to estimate

Feedback

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

The screenshot shows the IBM Watson Service Page in a browser. The URL is cloud.ibm.com/services/watson-vision-combined/cm%3Av1%3Abluemix%3Apublic%3Awatson-vision-combined%3Aus-south%3Aa%2F75235a97f29f4bcdcb1f7a8.... The page header includes the IBM Cloud logo, search bar, Catalog, Docs, Support, Manage, Teacher Demo'..., and various icons. A sidebar on the left lists Manage, Getting started (which is selected), Service credentials, Plan, and Connections.

Put Another Name In Here

Active Add tags [🔗](#)

Details Actions...

Getting started with Visual Recognition

Last Updated: 2020-01-30

This tutorial guides you through simple image recognition with IBM Watson™ Visual Recognition. You use the built-in models to analyze the images.

Tip: To work in a graphical interface where you can create your own custom models, use [Watson Studio](#) and follow the [video](#).

Before you begin [🔗](#)

- Make sure that you have the `curl` command.
 - Test whether `curl` is installed. Run the following command on the command line. If the output lists the `curl` version with SSL support, you are set for the tutorial.

```
$ curl -v
```
 - If necessary, install a version with SSL enabled from [curl.haxx.se](#). Add the location of the file to your PATH environment variables if you want to run `curl` from any command-line location.

1. Create your IBM Cloud account
2. Create credentials for text projects
3. Create credentials for images projects
4. Billing

This is the confirmation screen once you've created your Watson Visual Recognition instance.

Click the “Service Credentials” link on the left side menu.

Chrome File Edit View History Bookmarks People Tab Window Help

IBM Watson Service Page cloud.ibm.com/services/watson-vision-combined/cm%3Av1%3Abluemix%3Apublic%3Awatson-vision-combined%3Aus-south%3Aa%2F75235a97f29f4bcdcb1f7a8... Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'... Details Actions...

Resource list / Put Another Name In Here Active Add tags

Manage Getting started Service credentials Plan Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud™ service. [Learn more](#)

Search credentials... New credential +

Key name	Date created	Actions
Auto-generated service credentials	13 JUL 2020 - 12:59:38 AM	<input type="checkbox"/> <input type="checkbox"/>

FEEDBACK

The screenshot shows the IBM Watson Service Page in a web browser. The main content area displays a table of service credentials. One row is visible, showing a key named "Auto-generated service credentials" created on "13 JUL 2020 - 12:59:38 AM". The "Actions" column contains two icons: a magnifying glass and a trash can. A blue box highlights the "New credential +" button. To the right of the table, a green box contains the instruction: "Click the down arrow to the left of the 'Auto-generated service credentials'".

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 01:01

IBM Watson Service Page cloud.ibm.com/services/watson-vision-combined/cm%3Av1%3Abuemix%3Apublic%3Awatson-vision-combined%3Aus-south%3Aa%2F75235a97f29f4bcdcb1f7a8... Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'... Details Actions...

Resource list / Put Another Name In Here Active Add tags

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud™ service. [Learn more](#)

Search credentials...

New credential +

Key name

Date created

Auto-generated service credentials

13 JUL 2020 - 12:59:38 AM

FEEDBACK

```
{  
  "apikey": "_9HZmYiFetM76-0i9fm0Z4xHGc48AlbPI4-tolm9QEa3",  
  "iam_apikey_description": "Auto-generated for key 7798ada2-b6cd-4852-84d2-d64813234c8f",  
  "iam_apikey_name": "Auto-generated service credentials",  
  "iam_role_crn": "crn:v1:bluemix:public:iam::::serviceRole:Manager",  
  "iam_serviceid_crn": "crn:v1:bluemix:public:iam-identity::a/75235a97f29f4bcdcb1f7a824283499a::serviceid:ServiceId-9da6e  
260-a7e2-4f37-9a5f-e8ea98cc6dd6",  
  "url": "https://api.us-south.visual-recognition.watson.cloud.ibm.com/instances/b46577bb-9b8a-489a-910f-ae863c59747b"  
}
```

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Copy the “apikey” value.

This is what you need to put into machinelearningforkids.co.uk

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 01:01

IBM Watson Service Page cloud.ibm.com/services/watson-vision-combined/cm%3Av1%3Abluemix%3Apublic%3Awatson-vision-combined%3Aus-south%3Aa%2F75235a97f29f4bcdcb1f7a8... Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'... Actions...

Dashboard Resource List

In Here Active Add tags

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud™ service. [Learn more](#)

New credential +

Key name	Date created
Auto-generated service credentials	13 JUL 2020 - 12:59:38 AM

Feedback

API Management App Development DevOps Interconnectivity Observability Schematics Security Apple Blockchain

<https://cloud.ibm.com/resources>

Click on the four lines near the top left to find the menu that will get you back to the “Resource List”

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 01:02

Resource list - IBM Cloud cloud.ibm.com/resources Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Create resource +

Name Group Location Offering Status Tags

Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...

Devices (0)

VPC infrastructure (0)

Clusters (0)

Cloud Foundry apps (0)

Cloud Foundry services (0)

Services (2)

	Put Another Name In Here	Default	Dallas	Visual Recognition	Active	-
	Put Any Name In Here	Default	London	Watson Assistant	Active	-

Storage (0)

Network (0)

Cloud Foundry enterprise environments (0)

Functions namespaces (0)

Apps (0)

Developer tools (0)

Feedback

The Resource List shows the services that you've created.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

For **text** projects, you'll need to create **Watson Assistant** instances

Pricing Plan	How many of these can you create WITHOUT adding a credit card to your account?	How many of these can you create if you add a credit card to your account?	Cost when students click on "Train a new machine learning model"	How many machine learning models can your students have at once?	How much it costs to recognise text from Scratch each time	How many times can students recognise text from Scratch?
Lite	1	1	free	5	free	10,000 per month
Plus Trial	1	1	free	5	free	50,000 per month

To recap, the prices...

For **images** projects, you'll need to create **Watson Visual Recognition** instances

Pricing Plan	How many of these can you create WITHOUT adding a credit card to your account?	How many of these can you create if you add a credit card to your account?	Cost if students click on "Train a new machine learning model"	How many machine learning models can your students have at once?	How much it costs to recognise an image from Scratch each time	How many times can students recognise images from Scratch in a month?
Lite	1	1	free	2	free	1,000
Standard	0	No limit	£35.13 per month	unlimited	£0.00121	100,000

These prices are correct at the time of writing, and are provided as an indicative guide. For the definitive prices, refer to the prices shown in the IBM Cloud catalog.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

Prices here quoted for the UK.
The IBM Cloud catalog will show prices in other currencies for users not in the UK.

Imagine...

You have a class of **30 children**

They each share computers with a partner, so you will have 15 computers and 15 student accounts logged in to machinelearningforkids.co.uk

You choose a project worksheet for the class that involves recognising **text**

An example of IBM Cloud costs for a single Machine Learning for Kids class

Example 1:
A large class working on a text project

You could...

You create **three (3) x Lite Plan** instances of the Watson Assistant service

This will allow all thirty students to train machine learning models (each Lite Plan allows up to 5 machine learning models)

That means...

There is **no charge** for Lite Plan services.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

These prices are correct at the time of writing, and are provided as an indicative guide.
For definitive prices, refer to prices shown in the IBM Cloud catalog.

Imagine...

You have a class of **30 children**

You will have 30 computers and 30 student accounts logged in to machinelearningforkids.co.uk

You choose a project worksheet for the class that involves recognising **images**

An example of IBM Cloud costs for a single Machine Learning for Kids class

You could...

You create **one Lite Plan** instance of the Watson Visual Recognition service

You create a “whole class project” for your class, so all your students work together to contribute to the training of a single machine learning model.

They all collect their training data at the same time. You as the teacher will be the one who clicks the “Train new machine learning model” button. They can all use the machine learning model from Scratch at the same time.

That means...

There is **no charge** for Lite Plan services.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

These prices are correct at the time of writing, and are provided as an indicative guide.
For definitive prices, refer to prices shown in the IBM Cloud catalog.

Imagine...

You have a coding club of **6 children**

They share computers (two children to every computer) so you will have 3 computers and 3 student accounts logged in to machinelearningforkids.co.uk

You choose a project worksheet for the class that involves recognising **images**

An example of IBM Cloud costs for a single Machine Learning for Kids class

You could...

You create **one Lite Plan** instance of the Watson Visual Recognition service

You ask your students to **take turns** to train machine learning models each using 30 example images.

They all collect their training data at the same time, but they need to wait to click the “Train new machine learning model” button one at a time

That means...

There is **no charge** for Lite Plan services.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing

These prices are correct at the time of writing, and are provided as an indicative guide.
For definitive prices, refer to prices shown in the IBM Cloud catalog.

Imagine...

You have a class of **36 children**

They share computers (two children to every computer) so you will have 18 computers and 18 student accounts logged in to machinelearningforkids.co.uk

You choose **3 project worksheets** for the class that all involve recognising **images**

You could...

You create **one Standard Plan** instance of the Watson Visual Recognition service

You plan 3 lessons - one per week, for 3 weeks. You plan to ask your class to do one worksheet each lesson.

In each lesson, you ask your students to train machine learning models each using 30 example images.

In each lesson, you let them each test their machine learning models 10 times.

That means...

Your students will train 54 machine learning models across all 3 lessons (18 students x 3 worksheets)

They will use a total of 1,620 training images across all 3 lessons (18 students x 30 images x 3 worksheets)

Training their machine learning models will be covered by the £35.13 monthly cost.

Testing their models will cost approx £0.87 (18 students x 10 images x 3 worksheets x £0.001617 cost)

Cost for all three lessons could total approx £36

An example of IBM Cloud costs for a single Machine Learning for Kids class

Example 4:
A large class working on images projects over three lessons

These prices are correct at the time of writing, and are provided as an indicative guide.

For definitive prices, refer to prices shown in the IBM Cloud catalog.

Prices here quoted for the UK.

The IBM Cloud catalog will show prices in other currencies for users not in the UK.

1.

Create your IBM Cloud account

2.

Create credentials for text projects

3.

Create credentials for images projects

4.

Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 01:08

IBM Cloud Account cloud.ibm.com/account/settings Incognito (2)

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Account Account resources Best practices Resource groups Cloud Foundry orgs Licenses and entitlements Tags Account settings Notification distribution list Classic infrastructure Subscriptions Audit log Company contacts Company profile

Account settings

Account Teacher Demo's Account ID: 75235a97f29f4bcdcb1f7a824283499a

Account Type Lite (Free)

256 MB of free memory each month, free Lite plan services to choose from, and easy to upgrade when you're ready for more.

Feedback

Account upgrade

Pay-As-You-Go Add your credit card to unlock the full power of IBM Cloud with a Pay-As-You-Go account. You'll still be eligible for free runtime and service allowances, and you'll be charged only for paid services that you use.

Add credit card

Subscription Get discounted pricing and increased billing predictability when you commit to a set amount of usage over time.

Upgrade

Contact sales

You can just use Lite Plan services at no charge.

Or, click Add credit card to enable access to Standard Plan services.

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 01:09

IBM Cloud Account cloud.ibm.com/account/settings

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Teacher Demo'...

Account Account resources Best practices Resource groups Cloud Foundry orgs Licenses and entitlements Tags Account settings Notification distribution list Classic infrastructure Subscriptions Audit log Company contacts Company profile

Unlock the full catalog

Upgrade to a Pay-as-you-go account to access over 190 services, including 40 with free plans.

Build and deploy to Kubernetes, VMware, infrastructure, and more.

There's no minimum charge. You pay only for what you use.

Learn more

Get started with a \$200 credit!

Billing Information

Company Account Personal Account

First Name Last Name

Teacher Demo

Address Line 1

Enter street address, PO Box

Address Line 2 (optional)

Enter apartment, suite, unit, building, or floor

Country/Region City

United Kingdom Enter city

ZIP/Postal code

FEEDBACK

1. Create your IBM Cloud account

2. Create credentials for text projects

3. Create credentials for images projects

4. Billing

You can just use Lite Plan and Plus Trial Plan services at no charge.

Or, click Add credit card to enable access to Standard Plan services.

You may get \$200 of credit in your account if you do this.
Refer to IBM Cloud for current promotions for new accounts.

Chrome File Edit View History Bookmarks People Tab Window Help

100% Mon 13 Jul 01:10

Resource list - IBM Cloud

cloud.ibm.com/resources

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Enterprise Account Billing and usage Access (IAM) Catalogs Create resource +

Teacher Demo'...

Resource list

Name Group Location Offering Tags

Filter by name or IP address... Filter by group or org... Filter... Filter...

Devices (0)

VPC infrastructure (0)

Clusters (0)

Cloud Foundry apps (0)

Cloud Foundry services (0)

Services (2)

	Put Another Name In Here	Default	Dallas	Visual Recognition	<input checked="" type="checkbox"/> Active	-
	Put Any Name In Here	Default	London	Watson Assistant	<input checked="" type="checkbox"/> Active	-

Storage (0)

Network (0)

Cloud Foundry enterprise environments (0)

Functions namespaces (0)

Apps (0)

Developer tools (0)

Feedback

https://cloud.ibm.com/billing

The Billing and usage pages will let you keep track of your usage of Watson services.

1.
Create your IBM Cloud account

2.
Create credentials for text projects

3.
Create credentials for images projects

4.
Billing