

Some users who create a class account on *Machine Learning for Kids* need to add an **API key** from IBM Cloud for some uses of the site.

This document explains:

1. What type of projects need this API key?
What type of users need to provide their own API key?
2. How do you create an account on the IBM Cloud website?
3. How do you create the type of API key you need?
4. What do you do with the API key once you have created it?

1.
Who needs to use
IBM Cloud?

2.
Creating an
IBM Cloud account

3.
Creating a watsonx
Assistant API key

4.
Using a watsonx
Assistant API key

AI technology for **text** projects in *Machine Learning for Kids* is provided by **watsonx Assistant** services in IBM Cloud.

Project types that use watsonx Assistant from IBM Cloud	Project types that do not need watsonx, IBM Cloud, or anything else from other websites
projects that recognise text	projects that recognise numbers projects that recognise sounds projects that recognise images projects that predict numbers projects that generate text projects that use pretrained models

1.
Who needs to use
IBM Cloud?

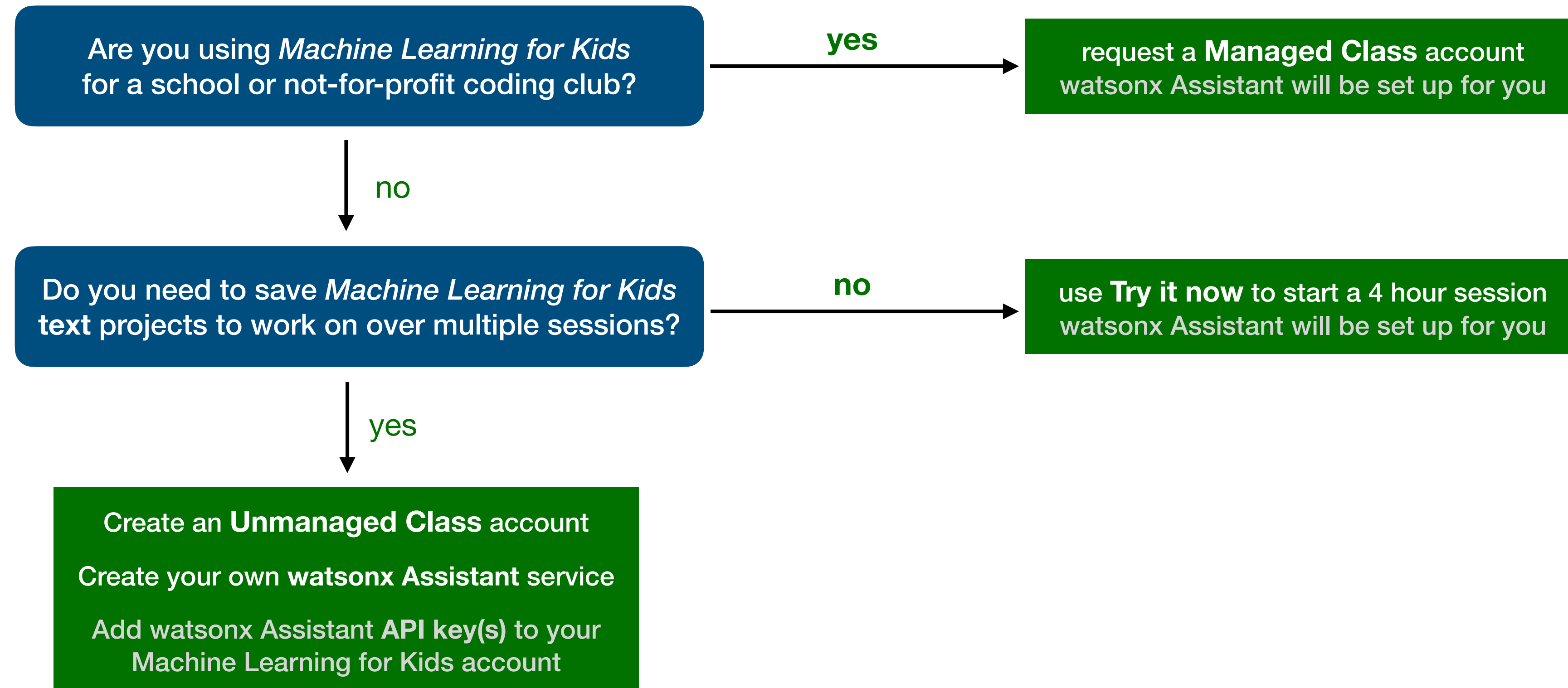
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AI technology for **text** projects in *Machine Learning for Kids* is provided by **watsonx Assistant** services in IBM Cloud.

Schools and not-for-profit coding clubs can request a "**Managed Class**" account on the *Machine Learning for Kids* so this is all set up for them.



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Schools and not-for-profit coding clubs can request a "**Managed Class**" account on the *Machine Learning for Kids* so this is all set up for them.

Other users need to create an IBM Cloud account and create a **watsonx Assistant** service to add to their *Machine Learning for Kids* class.

Creating an IBM Cloud account is free.

"**Lite Plan**" watsonx Assistant services are **free**, but have restrictions on the number of machine learning models you can create with them.

Creating "Plus Plan" watsonx Assistant services increases these restrictions.

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

Only Machine Learning for Kids group leaders need to do this.

Students will not need to visit the IBM Cloud website

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[Catalog](#) /

watsonx Assistant

IBM watsonx Assistant lets you build conversational interfaces into any application, device, or channel.



Create

About

Type
Service

Pricing plans
Prices shown are for country or location: [United States](#)

Provider
IBM

Last updated
06/30/2025

Category
AI / Machine Learning

Compliance
EU Supported
HIPAA Enabled
IAM-enabled

Location
Sydney (au-syd)
Frankfurt (eu-de)
London (eu-gb)
Tokyo (jp-tok)
Washington DC (us-east)
Dallas (us-south)

Related links
[API docs](#)
[Docs](#)

Plan	Features and capabilities	Pricing
Lite	<p>Everything you need to get started, free for as long as you need it</p> <p>Up to 1,000 unique monthly active users (MAUs) chatting with your assistant Up to 10,000 messages per month</p> <p>--- Features ---</p> <ul style="list-style-type: none">- World-class conversational AI- Make your website assistant your own with Webchat - deploy Webchat in minutes, or use our fully extensible architecture- Keep your assistant up-to-date by automatically scanning existing webpages and documents or by using some of our prebuilt dialog content- Connect to any application or database with a prebuilt integration, or build your own custom integration on top of API endpoints- Create engaging user interactions using images, buttons, and more- Analyze and enhance your assistant with our analytics dashboard- Take comfort knowing your assistant is reliably hosted on IBM Public Cloud <p>--- Limits ---</p> <p>Actions:</p>	Free

Summary

watsonx Assistant

Plan: Lite

Free

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

Sign up to create

Add to estimate

Go to
<https://cloud.ibm.com/catalog/services/watsonx-assistant>

Click on
‘Sign up to create’

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IBM Cloud

Catalog Cost estimator Docs

Create an IBM Cloud account

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

Account information

Email

dale.lane+mlforkidsdemo@gmail.com

Password

Next ↓

Verify email

Personal information

Account notice

Continue →

Get started with IBM watsonx Assistant

Start building today!

No credit card required
Be up and running in minutes on our free plan! Experience the premium features for 30 days upon activating trial.

Craft dynamic conversations without code
Get hands-on with our no-code conversation builder and 50-plus quick-start templates. Seamlessly connect with channels where customers engage with your business.

AI-enhanced experiences
Deploy a virtual assistant with out-of-the-box artificial intelligence that understands complex queries and navigates human conversations with ease.

Robust Data security suite
Comprehensive data protection through encryption, isolation, access controls, and regular security testing, ensuring the safety and integrity of your business data.

Provide an email address
and a password
for your IBM Cloud account

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CatalogCost estimatorDocs



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

Account information

dale.lane+mlforkidsdemo@gmail.com

Edit

Verify email

We sent a verification code to dale.lane+mlforkidsdemo@gmail.com

Verification code

0116509

Next ↓ Resend code

Personal information

Account notice

Continue →

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Verify your email address

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Already have an IBM Cloud account? Log in

✓ Account information

dale.lane+mlforkidsdemo@gmail.com

Edit

✓ Verify email

● Personal information

First name

Teacher

Last name

Demo

What is your role?

Other

Company name

My School Name

Country or region

United Kingdom

Phone number

+44 77

Next

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Enter your personal information

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Create an IBM Cloud account

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Account information

dale.lane+mlforkidsdemo@gmail.com

.....

Edit

Verify email

Personal information

Teacher Demo

My School Name

United Kingdom

+4471.....

Edit

Account notice

I'd like IBM to use my contact details to keep me informed about products, services, and offers. More information on how IBM uses data and ways to [opt out](#) can be found in the [IBM Privacy Statement](#).

☐ Email

☒ Phone

☒ I accept the product [Terms and Conditions](#) of this registration form.

Continue

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Select whether you would like IBM to notify you about products, services, and offers

Click 'Continue'

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IBM Cloud

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Create an IBM Cloud account

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Account information

dale.lane+mlforkidsdemo@gmail.com

Edit

Verify email

Personal information

Teacher Demo

My School Name

United Kingdom

+4471

Edit

Account notice

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Email

Phone

I accept the product [Terms and Conditions](#) of this registration form.

Continue

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Periodically, IBM Cloud introduces requests for a credit card at sign-up as a mechanism of validating your identity.

Credit cards will not be charged for usage of free ("Lite") plan instances of watsonx Assistant.

Remember

Schools & not-for-profit coding clubs do not need to do any of this.

They ask to have this done for them (*see page 3 of this document*) by requesting a **"Managed Class"** on Machine Learning for Kids

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Review your account privacy notice

About your IBMid Account

By creating, or using, an IBMid to access an IBM Web site or other service, you acknowledge that you have read, understand, and agree to be bound by the below terms, in addition to the terms in the IBM Terms of Use, the IBM Privacy Agreement and the “About your IBMid Account Privacy” section of this notice provide details on how IBM protects your personal data.

Most IBMid accounts are individual IDs, meaning you manage your own account information and access your account through the IBMid login service (i.e. IBMid is the authenticating agency).

If your account is created using an email address containing a domain owned by an organization which you are employed by, contracted to, or volunteer for, your organization can:

- inquire about the status of your ID
- request your account settings (including your personal information)
- at its option, convert it to an enterprise ID.

If your account was created as (or is converted to) an enterprise ID, your organization manages your account information. It is also the authenticating agency for your ID, meaning your access is controlled by your organization's login service.

[Last updated: 2023-09-30]

What data does IBM collect?

Why IBM needs your data

How your data is obtained

How IBM uses your data

How IBM protects your data

How long we keep your data

Get started with IBM watsonx Assistant

Start building today!

Review and accept the privacy notice

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Search resources and products...

Catalog

Manage

My School Name

IBM watsonx Assistant lets you build conversational interfaces into any application, device, or channel.

Create

About

Type

Service

Provider

IBM

Last updated

08/16/2024

Category

AI / Machine Learning

Compliance

EU Supported

HIPAA Enabled

IAM-enabled

Location

Sydney

Frankfurt

London

Tokyo

Washington DC

Dallas

Related links

API docs

Docs

Terms

Select a location

London (eu-gb)

Select a pricing plan

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

Plan	Features and capabilities	Pricing
Lite	Everything you need to get started, free for as long as you need it Up to 1,000 unique monthly active users (MAUs) chatting with your assistant Up to 10,000 messages per month --- Features --- - World-class conversational AI - Make your website assistant your own with Webchat - deploy Webchat in minutes, or use our fully extensible architecture - Keep your assistant up-to-date by automatically scanning existing webpages and documents or by using some of our prebuilt dialog content - Connect to any application or database with a prebuilt integration, or build your own custom integration on top of API endpoints - Create engaging user interactions using images, buttons, and more - Analyze and enhance your assistant with our analytics dashboard - Take comfort knowing your assistant is reliably hosted on IBM Public Cloud --- Limits --- Actions: - 3 assistants per instance - Up to 100 actions	Free

Summary

watsonx Assistant

Free

Location: London

Plan: Lite

Service name: watsonx Assistant-z6

Resource group: Default

☐ I have read and agree to the following license agreements:

[Terms](#)

Create

Add to estimate

Your IBM Cloud account is now ready to use.

Select a location closest to yourself to create your watsonx Assistant instance

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Location

Sydney

Frankfurt

London

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Washington DC

Dallas

Related links

[API docs](#)

[Docs](#)

[Terms](#)

Select a location

London (eu-gb)

Select a pricing plan

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

Plan	Features and capabilities	Pricing
Lite	<div>Up to 2,000 unique monthly active users (UMAs) chatting with your assistant</div> <div>Up to 10,000 messages per month</div> <div>--- Features ---</div> <div>- World-class conversational AI</div> <div>- Make your website assistant your own with Webchat - deploy Webchat in minutes, or use our fully extensible architecture</div> <div>- Keep your assistant up-to-date by automatically scanning existing webpages and documents or by using some of our prebuilt dialog content</div> <div>- Connect to any application or database with a prebuilt integration, or build your own custom integration on top of API endpoints</div> <div>- Create engaging user interactions using images, buttons, and more</div> <div>- Analyze and enhance your assistant with our analytics dashboard</div> <div>- Take comfort knowing your assistant is reliably hosted on IBM Public Cloud</div> <div>--- Limits ---</div> <div>Actions:</div> <div>- 3 assistants per instance</div> <div>- Up to 100 actions</div>	

Summary

watsonx Assistant

Free

Location: London

Plan: Lite

Service name: watsonx Assistant-z6

Resource group: Default

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Create

Add to estimate

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 would need 10 dialog skills.

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

Using your machine learning models is Free in the Lite Plan (up to 10,000 times per month)

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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.

Private

cloud.ibm.com

IBM Cloud

Search resources and products...

CatalogManageMy School Name

?

Catalog /

watsonx Assistant

IBM watsonx Assistant lets you build conversational interfaces into any application, device, or channel.

Create

About

Type

Service

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IBM

Last updated

08/16/2024

Category

AI / Machine Learning

Compliance

EU Supported
HIPAA Enabled
IAM-enabled

Location

Sydney
Frankfurt
London
Tokyo
Washington DC
Dallas

Related links

[API docs](#)
[Docs](#)
[Terms](#)

Select a location

London (eu-gb)

Select a pricing plan

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

Plan	Features and capabilities	Pricing
Lite	Everything you need to get started, free for as long as you need it Up to 1,000 unique monthly active users (MAUs) chatting with your assistant Up to 10,000 messages per month --- Features --- - World-class conversational AI - Make your website assistant your own with Webchat - deploy Webchat in minutes, or use our fully extensible architecture - Keep your assistant up-to-date by automatically scanning existing webpages and documents or by using some of our prebuilt dialog content - Connect to any application or database with a prebuilt integration, or build your own custom integration on top of API endpoints - Create engaging user interactions using images, buttons, and more - Analyze and enhance your assistant with our analytics dashboard - Take comfort knowing your assistant is reliably hosted on IBM Public Cloud --- Limits --- Actions: - 3 assistants per instance - Up to 100 actions	Free

Summary

watsonx Assistant

Free

Location: London

Plan: Lite

Service name: watsonx Assistant-z6

Resource group: Default

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Create

Add to estimate

When you’ve chosen the Pricing Plan to use, click “Create”

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cloud.ibm.com

IBM Cloud

Search resources and products...

Catalog Manage My School Name

Resource list / watsonx Assistant-z6 Active Add tags

Details Actions...

Manage

Service credentials Plan

Start by launching the tool

Launch watsonx Assistant Getting started tutorial API reference

Plan Lite Upgrade

Credentials

Download Hide credentials

API key: yU146t18VcswjIUL5kr9jzQac-fVP5ATaR5BLNIGyHQo

URL: https://api.eu-gb.assistant.watson.cloud.ibm.com/instances/04259343-

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

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

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Launch watsonx Assistant

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Credentials

Download

Hide credentials

API key:

yU146t18VcswjIUL5kr9jzQac-fVP5ATaR5BLNIGyHQo

URL:

https://api.eu-gb.assistant.watson.cloud.ibm.com/instances/04259343-

Copy the “API key” value.

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

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machinelearningforkids.co.uk

About Teacher

Administration

Restrictions

Review limits and restrictions that apply to your class

Restrictions

API Keys

⚠ Incomplete!
Set up IBM Watson credentials to enable your class to create machine learning models

Watson API Keys

Students

Create, reset and delete logins for students in your class

Supervision

Review cloud projects that your students have created

Supervision

Click the **Teacher** link at the top of Machine Learning for Kids to access your Administration page

Click the **Watson API Keys** button to provide your API key

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machinelearningforkids.co.uk

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Teacher

Projects

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Pretrained

Stories

Book

Help

Log Out

Language

Administration : IBM Watson API Keys

If you're not sure what to do here, please follow the [step-by-step guide](#) . If you'd like any help, please [get in touch](#).

Training machine learning models for **text** projects uses **Watson Assistant**

Add new credentials

You don't have any Assistant credentials.
This means that it will not be possible to train models for **text** projects.
If you're not sure where to get them, download the [step-by-step guide](#)

Training machine learning models for **images** projects does **not** require any API keys

Training machine learning models for **numbers** projects does **not** require any API keys

Training machine learning models for **sound** projects does **not** require any API keys

This page lists watsonx Assistant API keys that you have provided

Click the **Add new credentials** button to provide new API keys

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machinelearningforkids.cc.uk

About Teacher Projects Worksheets Pretrained Stories Book Help Log Out Language

Add watsonx Assistant credentials

These will be used when your students train models in text projects. This will not be shown to students in your group.

For help creating a username and password or API key, download the [step by step guide](#).

IBM Cloud Catalog Docs Support Manage

Watson Services / Assistant /

for-machine-learning-for-kids

Resource Group: default Location: US East [Add Tags](#)

Get started by launching the tool.

[Launch tool](#) [Getting started tutorial](#) [API reference](#)

Which Pricing Plan did you use?

☒ Lite (free)

☐ Standard (paid)

☐ Plus (paid)

☐ Plus Trial (free)

Please enter the API key below

API key *

Mrv14MFAqYzfdg3i21Hjspf0S89t5t6O7nvDPLtBCb

44 / 44

API Key: _1qpqr8LgptvPPX1pfvhuwmgZaFVzr7Kndq1qP8BzLj

Url: https://gateway-wdc.watsonplatform.net/assistant

ADD

This API key will be used by Machine Learning for Kids to provide machine learning models (to recognise text) for all users in your class account

Students will not see your watsonx Assistant API key

Students will not need to visit the IBM Cloud website

Paste your API key from the watsonx Assistant credentials page

Click 'ADD'

1.
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