

# Part A: Create Natural Language Understanding and Cloudant Services on IBM Cloud

**Estimated time needed:** 30 minutes

## Overview

In this lab, you will create two new services on IBM Cloud.

## Objectives

After completing this lab, you will be able to:

1. Create a Natural Language Understanding service.
2. Create a Cloudant database.

## Lab Instructions

This lab is broken up into the following tasks:

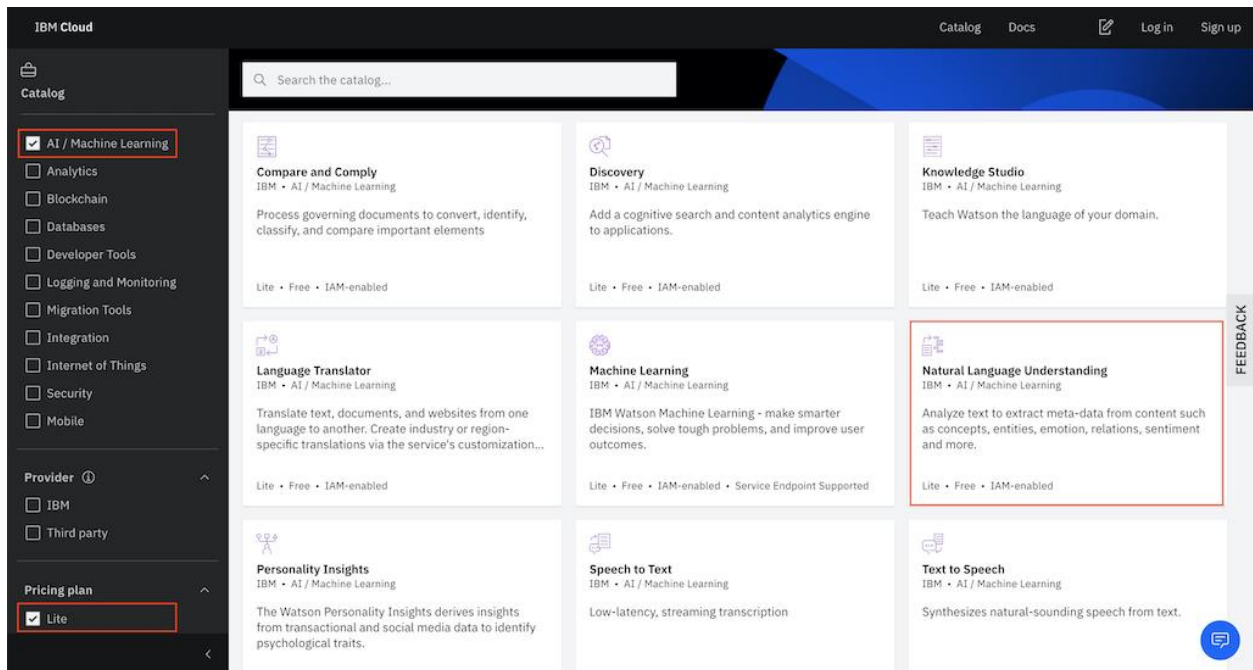
- [Part A: Create Natural Language Understanding and Cloudant Services on IBM Cloud](#)
  - [Overview](#)
  - [Objectives](#)
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    - [1. Create the NLU service](#)
    - [2. Create the Cloudant service](#)
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*The region(London/eu-gb) used in this lab is specific to the author's region. Please use the region that works for you. It is mostly what is selected by default when you attempt to create a service.*

### 1. Create the NLU service

Navigate to <https://cloud.ibm.com/catalog> to launch the IBM Cloud Catalog.

From the catalog, choose the **Services** menu on the left, and filter by **AI / Machine Learning** and **Lite**. Then click on the **Natural Language Understanding** tile.



{ width=1024 height=1024 }

On the next screen, select the area closest to you and the Lite tier to use the service for free. You can optionally rename the service. Click the **Create** button to continue.



# Natural Language Understanding

IBM • Date of last update: 07/05/2021 • Docs • API docs

Create

About

Select a location

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	Pricing
Lite	<p><b>30,000 NLU Items Per Month</b></p> <p>1 Custom Model</p> <p>Fixed API Rate Limit. See Standard plan for higher API Rate Limit</p> <p>NOTE: A NLU item is based on the number of data units enriched and the number of enrichment features applied. A data unit is 10,000 characters or less. For example: extracting Entities and Sentiment from 15,000 characters of text is (2 Data Units * 2 Enrichment Features) = 4 NLU Items. A custom model refers to an annotation model developed with Watson Knowledge Studio.</p> <hr/> <p>The Lite plan gets you started with 30,000 NLU Items per month at no cost. This plan also enables use of one custom model published through Watson Knowledge Studio.</p> <p>Lite plan services are deleted after 30 days of inactivity.</p>	Free

## Summary

Natural Language Understanding Free

Location: London

Plan: Lite

Service name: Natural Language Understanding-1s


Resource group: Default






Create

Add to estimate



[View terms](#)


You should be taken to the NLU home page.

 IBM Cloud

Q Catalog Docs Support Manage     

Resource list /

cloudappdevs-nlu  Active Add tags 

Details Actions... 


Manage

Getting started

Service credentials

Plan


Connections

Show credentials 

Getting started with Natural Language Understanding

Last Updated: 2020-02-24

This short tutorial introduces the Natural Language Understanding API with example requests and links to additional resources.

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](https://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.

FEEDBACK

You can go to the [resources page](#). You can confirm your service was created under **Services**.

# Resource list

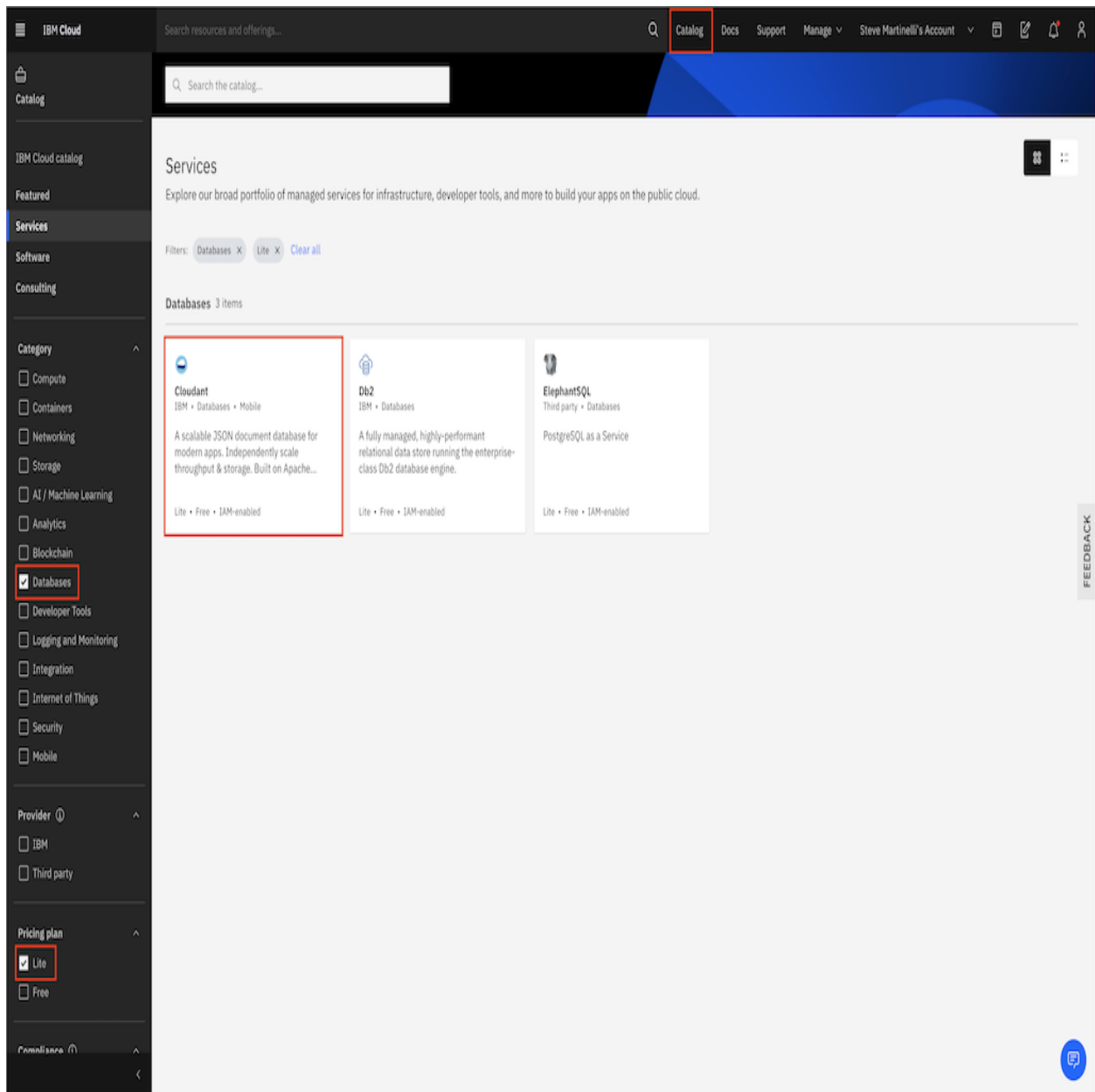
Create resource +

▼ Name	↑ Group	Location	Status	Tags
Q Filter by name or IP address...	Filter by group or org... ▼	Filter... ▼	Q Filter...	Filter... ▼
▼ Devices (0)				
▼ VPC infrastructure (0)				
▼ Clusters (0)				
▼ Satellite (0)				
^ Cloud Foundry apps (0)				
^ Cloud Foundry services (0)				
^ Services (1)				
 cloudappdevs-nlu	Default	London	✓ Active	- :
^ Storage (0)				

## 2. Create the Cloudant service

Navigate to <https://cloud.ibm.com/catalog> to launch the IBM Cloud Catalog.

From the catalog, choose the **Services** menu on the left, and filter by **Databases** and **Lite**. Then click on the **Cloudant** tile.



On the next screen, choose the Cloudant offering, the multitenant environment, and the Lite tier. You can optionally give your service a name. Click the **Create** button to continue.



Author: IBM

Create

About

Select an offering

### Cloudant



IBM Cloudant is a fully managed JSON document database that offers independent serverless scaling of throughput capacity and storage.

Lite plan available

Select an environment

Multitenant

Dedicated

Your instance will be running securely on environments with shared resources.

Available regions

London






### Summary

1 Cloudant Lite	Free
20 Reads/sec	Free
10 Writes/sec	Free
5 Global Queries/sec	Free
1 GB Storage	Included

Create

Add to estimate

The Cloudant service can take a few minutes to get provisioned. You will be taken to the **Resources** page. The **Status** will change to **Active** once the service has been provisioned.

∨	Devices (0)					
∨	VPC infrastructure (0)					
∨	Clusters (0)					
∨	Satellite (0)					
^	Cloud Foundry apps (0)					
^	Cloud Foundry services (0)					
^	Services (2)					
	cloudappdev-cloudant	Default	London	 Provision in progr...	-	⋮
	cloudappdevs-nlu	Default	London	 Active	-	⋮

Take a screenshot of this page in your account and save it as **resourcepage.jpg**. You will be asked to upload it for the final project grading. The screenshot of the resources page must show both the Cloudant and the Natural Language services provisioned and active.

**Congratulations!** You've successfully created the Natural Language Understanding service and the Cloudant service on IBM cloud!