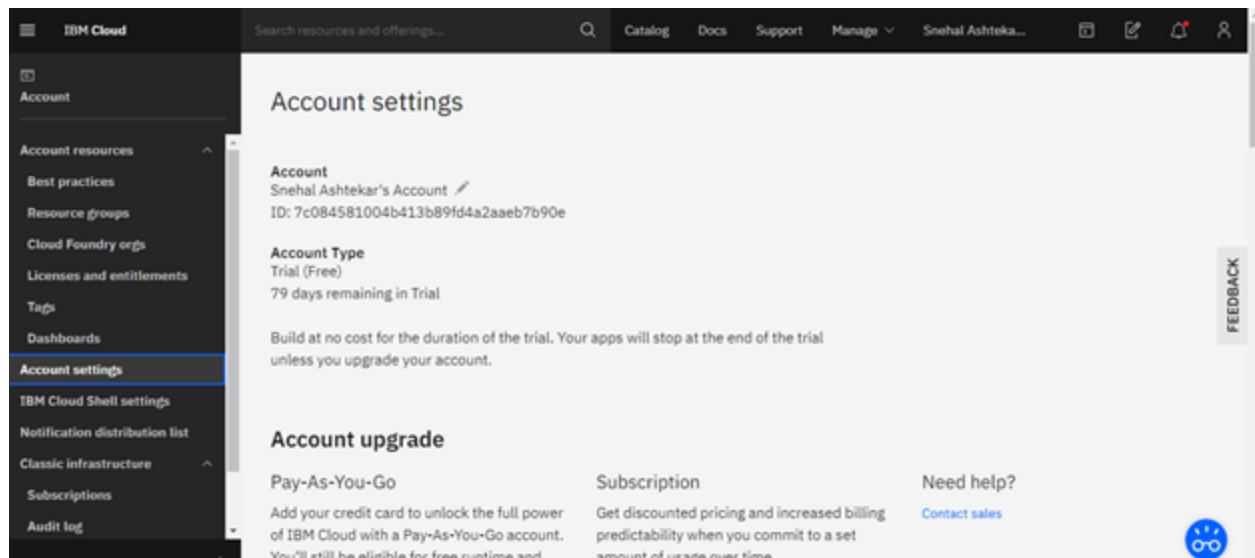
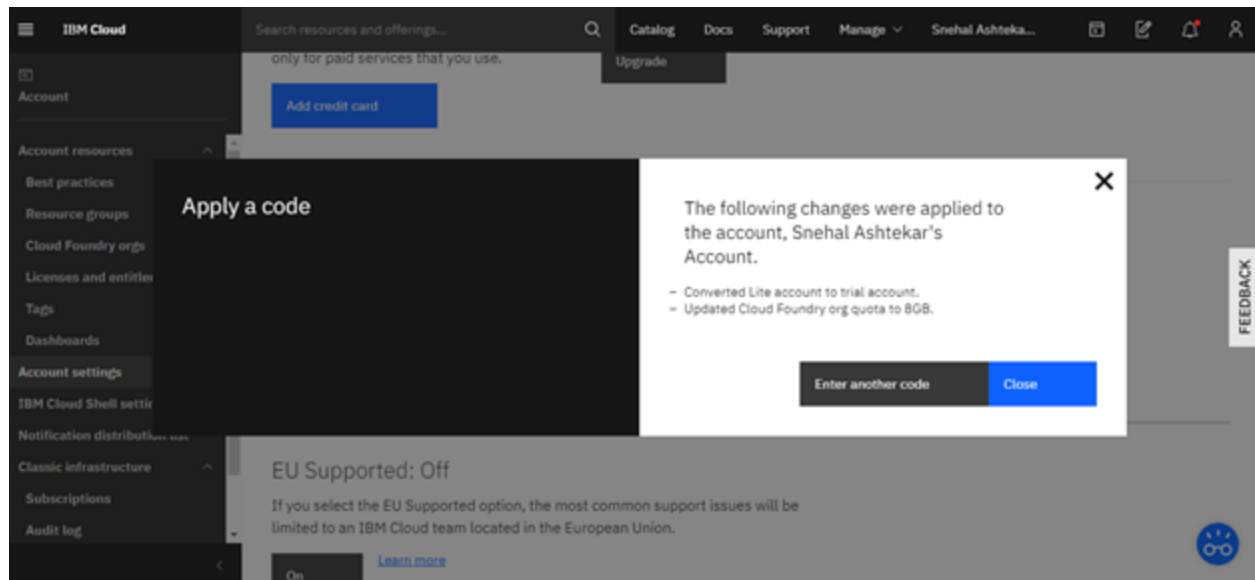


Fashion Product Classifier Project

Account Creation for IBM Gurucool Project



Noting Down the API KEY and URL

API key

acKrQ6VXCXvoNbV5NjoYYM3nUHIrRzN8kW-PYo9b9TWw

URL

<https://api.us-south.visual-recognition.watson.cloud.ibm.com/instances/ad857358-3e8e-48ee-ad>

82-5cb47b222514

Noting Down the Model ID

VisualRecognition-FashionProdu_1473412224

The screenshot shows the IBM Cloud Pak for Data interface. The top navigation bar includes the IBM Cloud Pak for Data logo, an Upgrade button, a notification bell, and the user's account name 'Snehal Ashtekar's Account'. The breadcrumb trail indicates the current location: Projects / Fashion Product Classifier / Visual Recognition - Fashion Pro... The tabs at the top are Overview, Test, and Implementation, with Implementation being the active tab. On the left, there is a 'Code Snippets' sidebar with options for curl, Java, Node, Python, Ruby, and Core ML. The main content area provides instructions on how to use code snippets to classify images. It includes the API endpoint: `https://gateway.watsonplatform.net/visual-recognition/api`. The authentication section shows a curl command: `curl -u "apikey:[apikey]" "https://gateway.watsonplatform.net/visual-recognition/api/v3/[method]"`. The 'Classify an image (GET)' section shows a curl command: `curl -u "apikey:[apikey]" "https://gateway.watsonplatform.net/visual-recognition/api/v3/classify?url=https://watson-developer-cloud.github.io/doc-tutorial-downloads/visual-recognition/fruitbowl.jpg&version=2018-03-19&classifier_ids=VisualRecognition-FashionProdu_1473412224"`.

The screenshot shows the IBM Cloud Pak for Data interface with the Overview tab selected. The breadcrumb trail is Projects / Fashion Product Classifier / Visual Recognition - Fashion Pro... The tabs at the top are Overview, Test, and Implementation, with Overview being the active tab. The main content area displays a 'Summary' section with a search bar. Below the search bar is a table with the following data:

Model ID	VisualRecognition-FashionProdu_1473412224
Status	Ready
Explanation	This model is ready for use.
Created on	10/15/2020, 4:18:12 PM
Updated on	10/15/2020, 4:18:12 PM
Number of classes	4
Number of images	100

Creating the Customer Model

IBM Cloud

Search resources and offerings...

Q

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Snehal Ashtekar...

Manage

Getting started

Service credentials

Plan

Connections

Start by viewing the tutorial

Plan

Lite

Launch Watson Studio

Getting started tutorial

API reference

Upgrade

Credentials

Download

Show credentials

API key:

.....

URL:

https://api.us-south.visual-recognition.watson.cloud.ibm.com/instances/ad857358-3e8e-48ee-ac

25.jpg

24.jpg

23.jpg

22.jpg

21.jpg

Show all

IBM Cloud Pak for Data

Upgrade

Snehal Ashtekar's Account

SA

Services / Watson Services / Visual Recognition-wv

Custom Models

Classify Images

Create customized visual classifiers that go beyond the built-in images classes provided with the Watson Studio Visual Recognition tool.

Create Model +

Detect Objects

Build custom image classifiers that detect objects within images using coordinates.

Create Model +

IBM Cloud Pak for Data

Upgrade

Snehal Ashtekar's Account

SA

New project

Create a project for your custom model. A project is how you organize your resources to work with data and share assets with collaborators.

Define project details

Name

Fashion Product Classifier

Description

Project description

Choose project options

☒ Restrict who can be a collaborator

Storage

Cloud Object Storage-yi

Watson Visual Recognition

Visual Recognition-wv

Cancel

Create

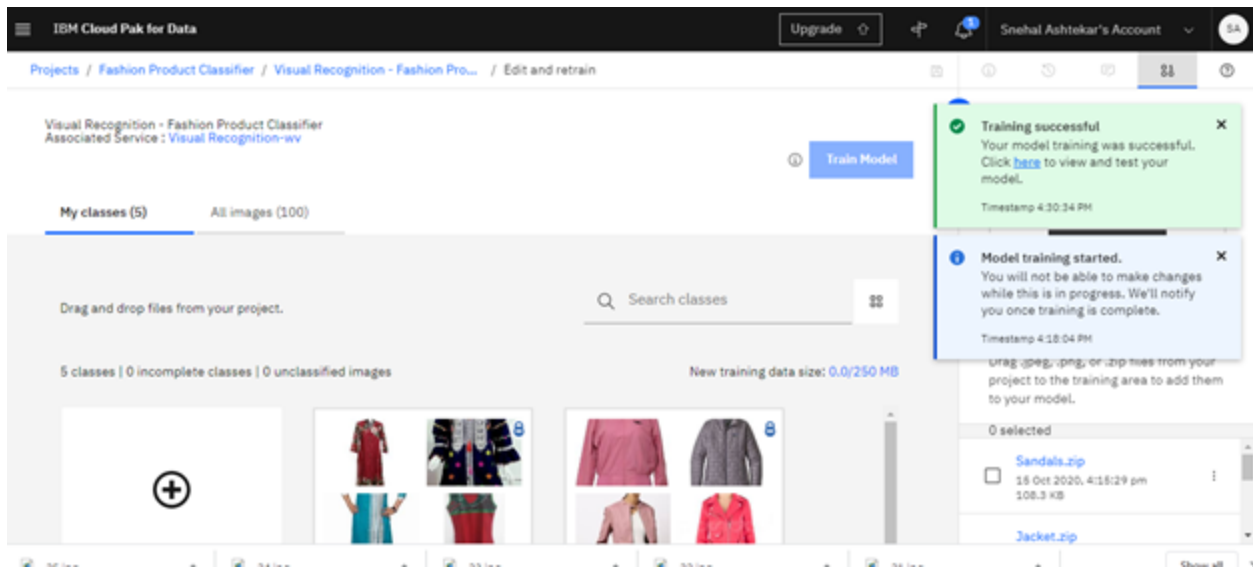
Creating the Different Classes for training such as Dress, Jacket, Sandals and Saree

The image displays three sequential screenshots of the IBM Cloud Pak for Data Visual Recognition interface, illustrating the process of creating and training a model for fashion product classification.

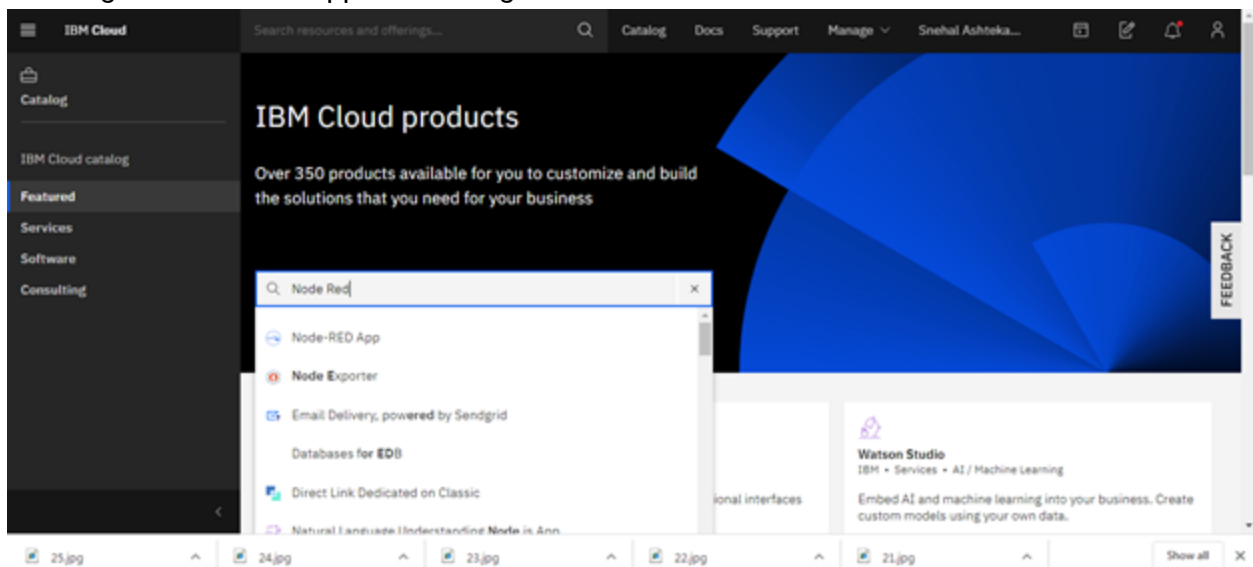
Top Screenshot: The interface shows the "Visual Recognition - Fashion Pro..." project. On the left, there are four class creation options: "Create a class" (with a plus icon), "Dress (25)", "Jacket (25)", "Negative (0)" (with a text box explaining negative classes), "Sandals (25)", and "Saree (25)". On the right, the "Upload directly" panel is active, showing a "Browse" button and a list of files: "Sandals.zip" (16 Oct 2020, 4:15:29 pm, 108.3 KB) and "Jacket.zip".

Middle Screenshot: The interface shows the "Visual Recognition - F..." project. The "Train Model" button is visible. Below the header, there is a search bar and a "Train Model" button. The main area shows "5 classes | 0 incomplete classes | 0 unclassified images" and "New training data size: 0.7/250 MB". The "Upload directly" panel is still active on the right.

Bottom Screenshot: The interface shows the "Visual Recognition - F..." project. The "Preparing" button is visible. A notification box on the right states: "Model training started. You will not be able to make changes while this is in progress. We'll notify you once training is complete. Timestamp: 4:18:04 PM". The "Upload directly" panel is still active on the right.



Creating the Node RED app for Building UI



[Catalog](#) / [Create app](#) /

Node-RED

About

Create

Details

Author IBM
Updated 2/11/2020
Type Starter kit

Source code

[GitHub](#)

Helpful links

[Terms](#)[Tutorial](#)

Overview

This starter kit provides a pre-configured Node-RED application, including a Cloudant service to store the application flow configuration. Add services, generate and download the code, use the IBM Cloud Developer Tools CLI to run and debug locally, then deploy to Cloud Foundry or a DevOps Pipeline.

This starter kit will help you

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

What's included?

Connecting...

ASK A QUESTION

[Catalog](#) / [Create app](#) /

Node-RED

About

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Overview

This starter kit provides a pre-configured Node-RED application, including a Cloudant service to store the application flow configuration. Add services, generate and download the code, use the IBM Cloud Developer Tools CLI to run and debug locally, then deploy to Cloud Foundry or a DevOps Pipeline.

This starter kit will help you

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

What's included?

Connecting...

ASK A QUESTION

Platform

☒ Node.js

Service details

Cloudant

Region

Resource group

Pricing plan

[Pricing details](#) [Terms](#)

ASK A QUESTION

IBM Cloud

Search resources and offerings...

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Resource list / App details /

Node RED MHGMC 2020-10-15

Add tags

Actions...

Details

App URL

You must deploy your app first

Source

Download code

Resource group

Default

Deployment target

You must deploy your app first

Created

10/15/2020

Services

Cloudant

Provisioning service credentials

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app

Waiting for cloud.ibm.com...

IBM Cloud

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Resource group

Default

Deployment target

You must deploy your app first

Created

10/15/2020

Services

Cloudant

Provisioning service credentials

Connect existing services

Create service

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app

Getting started quickly

Configuring your app

To connect services and DevOps toolchains to your app:

ASK A QUESTION

FEEDBACK

IBM Cloud

Search resources and offerings...

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Snehal Ashteka...

Deployment target

Kubernetes Service

IBM

Deploy, scale, and manage your containerized application workloads to highly available clusters.

Red Hat OpenShift

IBM

Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.

Cloud Foundry

IBM

Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.

IBM Cloud API key

IBM Cloud API key

The value is required.

1

Memory allocation per instance

provide the configuration information.

IBM Cloud Foundry

Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services — resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a Lite plan that allows quick deployments for testing purposes.

Before you begin

If your account doesn't have a Cloud Foundry org, you must create one. [Create org](#)

Steps

1. Select the number of instances, memory allocation, region, org, and space.

2. Select the domain and provide a host name.

ASK A QUESTION

FEEDBACK

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage Snehil Ashteka...

Deployment target

Kubernetes Service
IBM
Deploy, scale, and manage your containerized application workloads to highly available clusters.

IBM Cloud API key

IBM Cloud API key

The value is required.

Number of instances

1

Memory allocation per instance

Create a new API key with full access

Warning: This will create a new API key that allows anyone who has it the ability to do anything you could do. You can improve your security posture by using the IAM UI to create a service ID API key that limits access to only what your pipeline requires, and then pasting that into the template UI instead. For more information on API keys and access see the [IAM documentation](#).

Name

API Key for NodeREDMHGMC2020-10-15

Description

☐ Save this key in a secrets store for reuse

Cancel OK

IBM Cloud Foundry

Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services — resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a life plan that allows quick deployments for testing purposes.

Before you begin

- If your account doesn't have a Cloud Foundry org, you must create one. [Create org.](#)

Steps

- Select the number of instances, memory allocation, region, org, and space.
- Select the domain and provide a host name.

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage Snehil Ashteka...

IBM Cloud API key

Number of instances

1

Memory allocation per instance

64 MB

2000 MB 256

Region

Dallas

Organization

snehil.chothe@vit.edu.in

Space

dev

Host

node-red-mhgm-2020-10-15

Domain

mybluemix.net

Cancel Next

If your account doesn't have a Cloud Foundry org, you must create one. [Create org.](#)

Steps

- Select the number of instances, memory allocation, region, org, and space.
- Select the domain and provide a host name.

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage Snehil Ashteka...

Resource list / App details /

Node RED MHGMC 2020-10-15

Select the deployment target Configure the DevOps toolchain

Configure the DevOps toolchain

Give your toolchain a name and select the region to create your toolchain in.

DevOps toolchain name

NodeREDMHGMC2020-10-15

Accept the default name, or enter a value up to 100 characters.

Region

Dallas

Back Create

Getting started with apps

Step 2. Configure the DevOps toolchain

The DevOps toolchain includes a Delivery Pipeline tool where you can check the deployment status, start builds, manage deployment, and view logs and history.

- Provide a name for your toolchain.
- Select the region where your toolchain is created.
- Select the resource group that has access to your new toolchain. [Learn more.](#)
- After you're finished with your selections, click **Create**.

IBM Cloud

Search resources and offerings...

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Details

App URL
<https://node-red-mhgm-2020-10-15.mybluemix.net>

Source
<https://us-south.git.cloud.ibm.com/snehal.chothe/NodeREDMHGMC2020-10-15>

Resource group
Default

Deployment target
Node RED MHGMC 2020-10-15

Created
10/15/2020

Services

Cloudant

Open dashboard Documentation

Credentials

Connect existing services Create service

Deployment Automation

Name
NodeREDMHGMC2020-10-15

Location
Dallas

Tool integrations

Delivery Pipelines

Name
[NodeREDMHGMC2020-10-15](#)

Status
Success

Last input
Last commit by IBM Cloud (7 minutes ago)
[Clone from zip](#)

ASK A QUESTION

Waiting for bcp.cndentf.net...

IBM Cloud

Search resources and offerings...

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Snehal Ashteka...

Toolchains / NodeREDMHGMC2020-10-15 / NodeREDMHGMC2020-10-15

NodeREDMHGMC2020-10-15 | Delivery Pipeline

Add Stage

Actions...

BUILD

STAGE PASSED

LAST INPUT
Git URL
Last commit by IBM Cloud 8m ago
[clone from zip](#)

JOB
Build
Passed 7m ago

LAST EXECUTION RESULT
Build 1

DEPLOY

STAGE PASSED

LAST INPUT
Stage: BUILD / Job: Build
Build 1

JOB
Rolling Deploy
Passed 2m ago

LAST EXECUTION RESULT
Node RED MHGMC 2020-10-15
[View console](#)
Build 1

ASK A QUESTION

Waiting for logs.optimizezy.com...

Welcome to your new Node-RED instance on IBM Cloud

We know you're eager to start wiring up your flows, but first there are a couple of tasks you should do:

- Secure your Node-RED editor
- Learn how to install additional nodes

[Previous](#)[Next](#)

Secure your Node-RED editor

☐ Secure your editor so only authorised users can access it

☒ *Not recommended:* Allow anyone to access the editor and make changes

Your editor will not be secured. Anyone with the URL will be able to access your flows, data and bound services.

☒ Tick this box to confirm you want your editor to be insecure



Previous

Next

Learn how to install additional nodes

Node-RED provides a **huge catalog of extra nodes** you can install into the editor.

Many of these nodes can be installed directly from the editor's palette manager feature. However that can cause issues due to the limited memory of the default Node-RED starter application.

The *recommended approach* is to edit your application's `package.json` file to include the additional node modules and then redeploy the application. This can be done using the Continuous Delivery feature on the application's IBM Cloud dashboard.

For more information, follow [this tutorial on IBM Developer](#).

[Previous](#)[Next](#)

Finish the install

You have made the following selections:

- *Not recommended:* Allow anyone to access the editor and make changes

You can change these settings at any time by setting the following environment variables via the IBM Cloud console:

- `NODE_RED_USERNAME` - the username
- `NODE_RED_PASSWORD` - the password
- `NODE_RED_GUEST_ACCESS` - if set to `'true'`, allows anyone read-only access to the editor



Previous

Finish

Node-RED

Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at nodered.org.

Go to your Node-RED flow editor

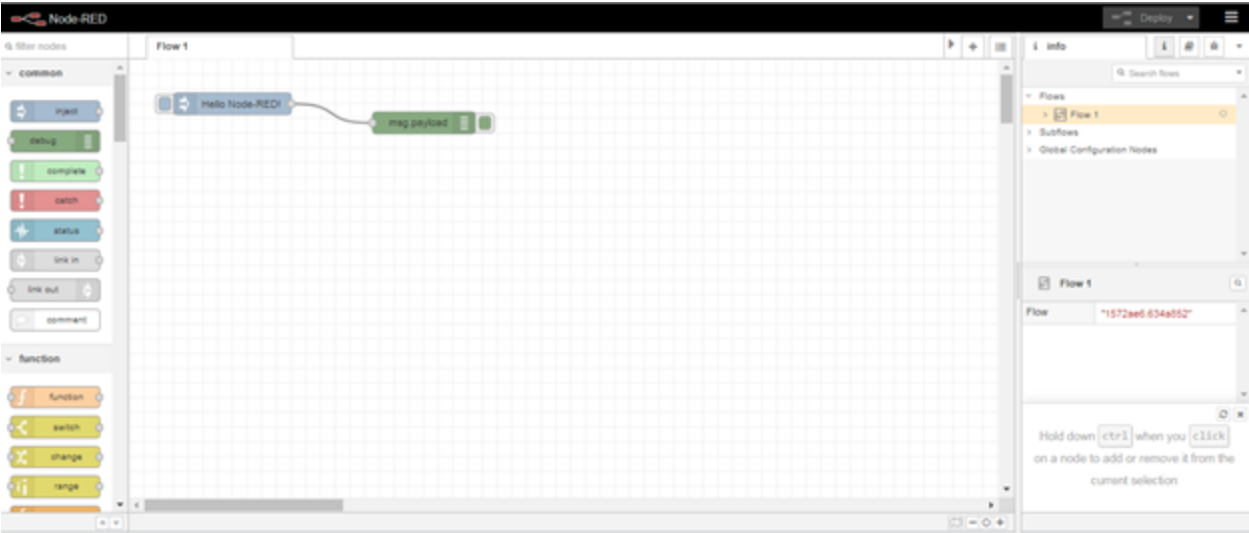
[Learn how to customise Node-RED](#)

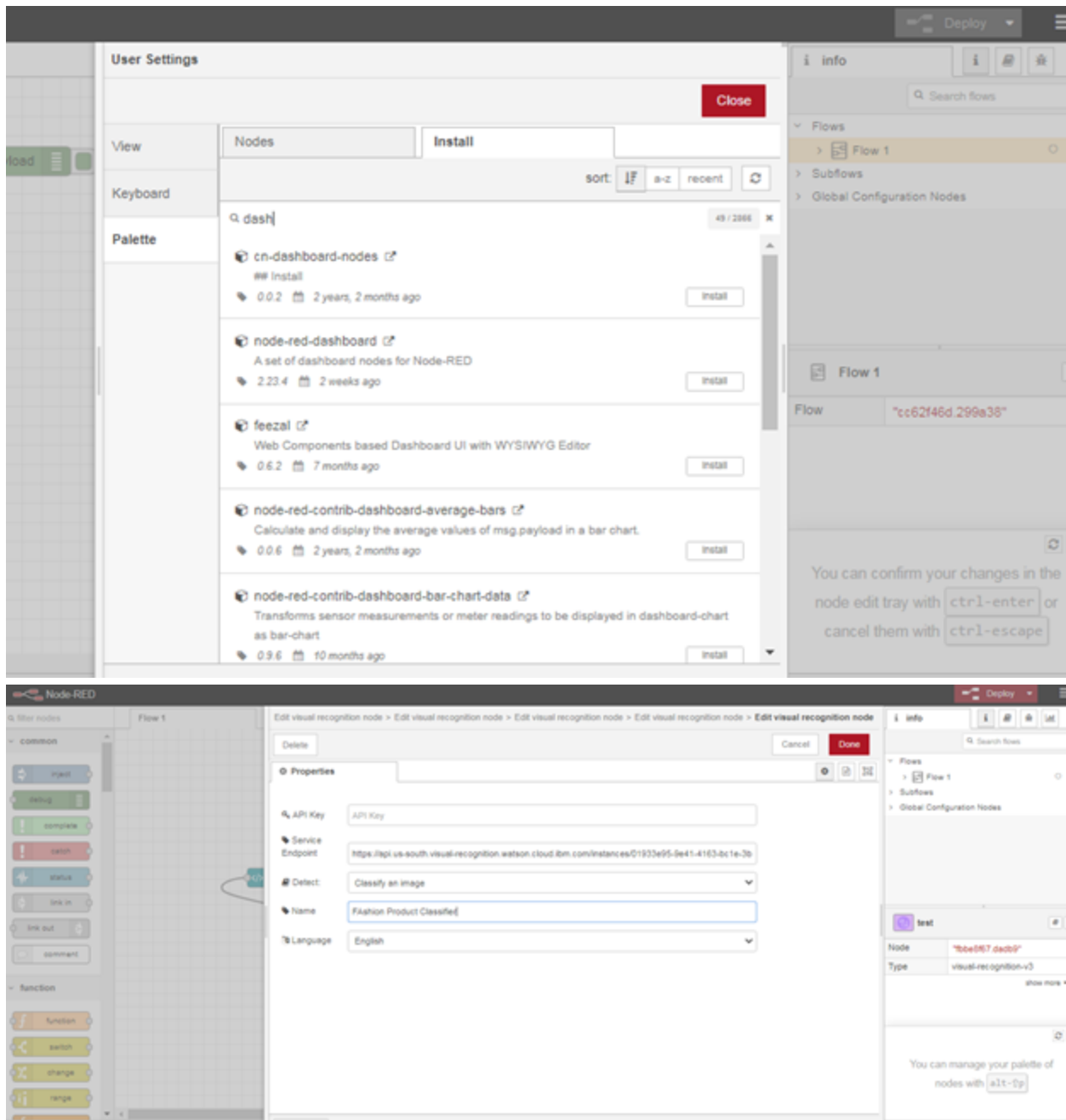
Customising your instance of Node-RED

This instance of Node-RED is enough to get you started creating flows.

You may want to customise it for your needs, for example replacing this introduction page with your own, adding http authentication to the flow editor or adding new nodes to the palette.

Creation of Dashboard nodes which are not there





changing the Classifier ID and making it model id

Edit function node

Delete

Cancel

Done

Properties

Name

Name

Setup

Function

Close

1 msg.params={"classifier_ids":"VisualRecognition-FashionProdu_1473412224"}
2
3 return msg;

Outputs

1

Enabled

info

Search flows

Flows

> Flow 1

> Subflows

> Global Configuration Nodes

function: e8fc81e2.4039e

Node

"e8fc81e2.4039e"

Type

function

show more

Show the Info tab with `ctrl-g i` or
the Debug tab with `ctrl-g d`

Node-RED

Deploy

filter nodes

Flow 1

common

inject

debug

complete

catch

status

link in

link out

comment

function

function

switch

change

range

function

msg

Fashion Product Classifier

msg

info

Search flows

Flows

> Flow 1

> Subflows

> Global Configuration Nodes

function: e8fc81e2.4039e

Node

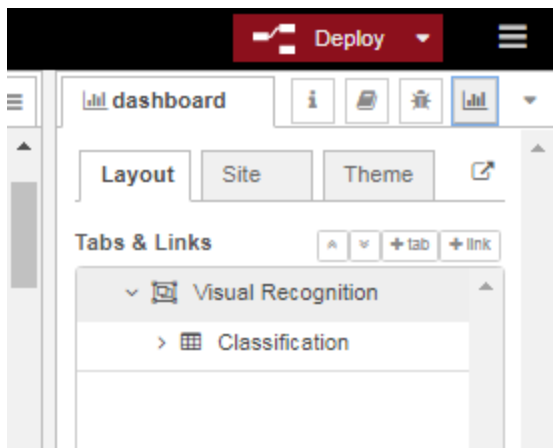
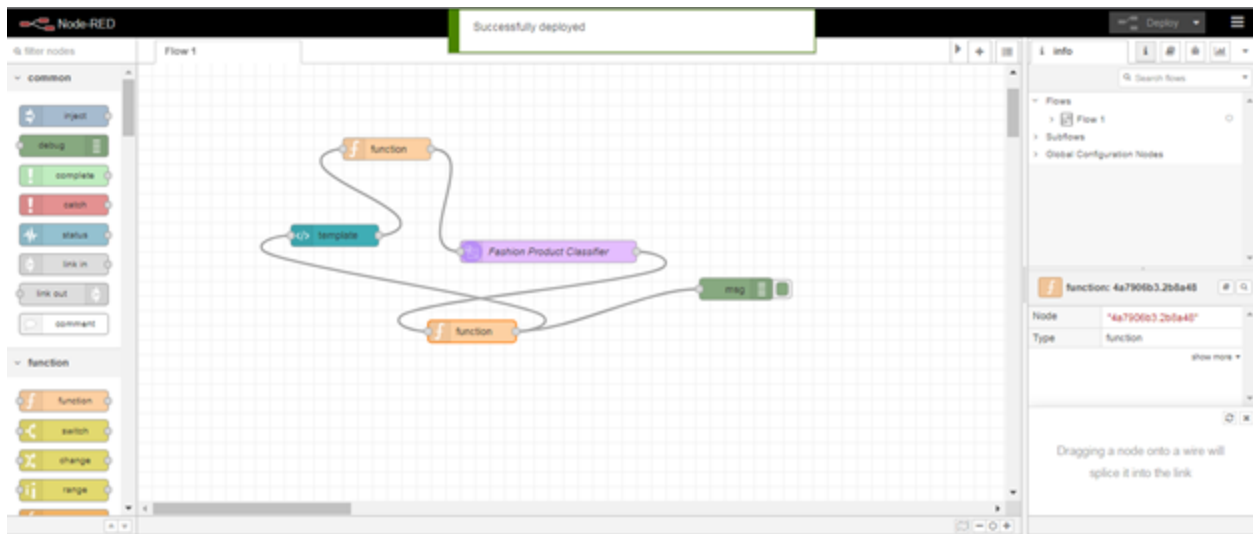
"e8fc81e2.4039e"

Type

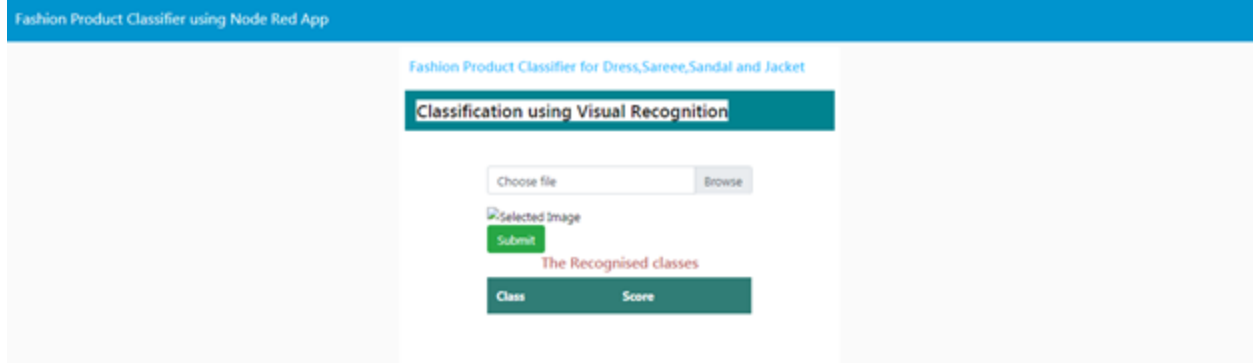
function

show more

Import a flow by dragging its JSON
into the editor, or with `ctrl-i`



FINAL UI of Project



Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Dress	0.905

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Dress	0.904

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Dress	0.905

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Saree	0.905

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
-------	-------

Saree	0.905
-------	-------

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Sandals	0.905

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Sandals	0.905

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Jacket	0.905

Fashion Product Classifier for Dress,Sareee,Sandal and Jacket

Classification using Visual Recognition

Choose file

Browse



Submit

The Recognised classes

Class	Score
Jacket	0.905

the screen shots of project are shown and project was completed successfully.