

Create and configure IBM Cloud Services

Create Node-RED Service

Team ID	PNT2022TMID11082
Project Name	Project - SmartFarmer - IoT Enabled Smart Farming Application

- Created the Node RED Services

Resource list / App details / Node RED SJEZF 2022-11-18

Select the deployment target | Configure the DevOps toolchain

Deployment Automation

Select your deployment target and configure your DevOps toolchain. After you click **Create**, the toolchain is created, and the deployment process is started automatically.

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.
- Code Engine**
IBM
Run your app, job, or container on a managed serverless platform. Auto-scale workloads, and pay only for the resources that you consume.

IBM Cloud API key

IBM Cloud API key

New +

Getting started with apps

Step 1. Select the deployment target

Select your deployment target, and then provide the configuration information.

IBM Cloud Kubernetes Service

Kubernetes is an open source platform for managing containerized workloads and services across multiple hosts, and offers management tools for deploying, automating, monitoring, and scaling containerized apps with minimal to no manual intervention. [Learn more.](#)

Before you begin

- One free Kubernetes cluster is available per account.
- If you don't have an available cluster, you must create one before continuing. Allow 10-20 minutes for the cluster to be provisioned. [Create cluster.](#)

Steps

1. Create an IBM Cloud API key.

Node-RED

Flow 1

inject, debug, complete, catch, status, link in, link call, link out, comment, function

debug 1

debug

11/12/2022, 3:11:09 PM node: debug 1
msg.payload: string[20]
"SmartFarmingUsingIot"

11/12/2022, 3:11:10 PM node: debug 1
msg.payload: string[20]
"SmartFarmingUsingIot"

11/12/2022, 3:11:11 PM node: debug 1
msg.payload: string[20]
"SmartFarmingUsingIot"

11/12/2022, 3:11:12 PM node: debug 1
msg.payload: string[20]
"SmartFarmingUsingIot"



