

Team ID	PNT2022TMID21687
Project Name	Smart Farmer-IOT Enabled smart Farming application
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Team lead	Rajalakshmi V

CREATE NODE-RED

## STEP: 1

The screenshot shows the IBM Cloud Developer console for an application named "Node RED PVUIC 2022-11-09". The interface is divided into several sections:

- Details:** Displays the App URL, Source (with a "Download code" button), Resource group (Default), Deployment target (You must deploy your app first), and Created date (11/9/2022).
- Services:** Shows the "Cloudant" service with links to "Open dashboard", "Documentation", and "API reference". It also includes buttons for "Connect existing services" and "Create service".
- Deployment Automation:** A section titled "Configure Continuous Delivery" with a "Deploy your app" button.
- Getting started quickly:** A sidebar with a list of steps for configuring the app, including connecting services, downloading code, and deploying the app.

The top navigation bar includes the IBM Cloud logo, a search bar, and user account information for "Hariprasath T's Account".

## STEP: 2

The screenshot shows the "Create app" form in the IBM Cloud Developer console. The form is titled "Accept the default name, or enter a value between 2 and 128 characters." and includes the following fields:

- Resource group:** A dropdown menu with "Default" selected.
- Tags:** A text input field with the placeholder "Examples: env:dev, version-1".
- Platform:** A radio button selection with "Node.js" selected.
- Service details:** A section for configuring the service, including:
  - Cloudant:** A section with "Region" (London) and "Resource group" (Default) dropdowns.
  - Pricing plan:** A dropdown menu with "Lite" selected.

At the bottom of the form, there are "Cancel" and "Create" buttons. The top navigation bar is the same as in Step 1.

## STEP:3

The screenshot shows the IBM Cloud Developer console interface. The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c3d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page title is "Node-RED". The "About" tab is selected, showing details about the starter kit, including its author (IBM), update date (2/15/2020), and source code (GitHub). The "Overview" section describes the starter kit as a pre-configured Node-RED application with a Cloudant service for configuration storage. It lists the benefits of the starter kit, such as generating an application with Node-RED, generating files for deployment to Cloud Foundry or DevOps Pipeline, and connecting to provisioned services. A "What's included?" section highlights the inclusion of Cloudant, which is free to start. A "Get started" button is prominently displayed at the bottom left. A vertical "ASK A QUESTION" button is located on the right side of the page.

## STEP:4

The screenshot shows the IBM Cloud Developer console interface for the "Deployment Automation" section. The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/apps/7ab55dc5-9566-472f-b83f-ac20e8ce7a9d`. The page title is "Deployment Automation". The "Select the deployment target" tab is selected, showing a list of deployment targets: Kubernetes Service, Red Hat OpenShift, Cloud Foundry, and Code Engine. Cloud Foundry is the selected target. The "Getting started with apps" section on the right provides instructions for selecting the deployment target and configuring the DevOps toolchain. It includes a "Before you begin" section with a bullet point stating that if the account doesn't have a Cloud Foundry org, it must be created. The "Steps" section lists two steps: 1. Select the number of instances, memory allocation, region, org, and space. 2. Select the domain and provide a host name. A "New" button is visible at the bottom right. A vertical "ASK A QUESTION" button is located on the right side of the page.

STEP: 5

Node-RED

Successfully injected: Hello Node-RED!

Deploy

filter nodes

Flow 1

+

▼

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

change

Flow 1

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

change

debug

all nodes

11/2/2022, 7:02:53 PM node: msg.payload

msg.payload : string[15]

"Hello Node-RED!"