Contents

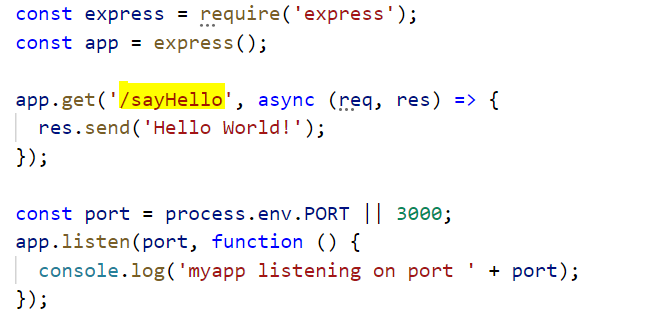
[Create Node JS Application 2](#_Toc75179387)

[Create Destination in Cloud Foundry (BTP) 4](#_Toc75179388)

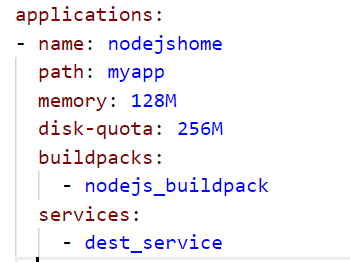
[Consume Node JS service from UI 5](#_Toc75179389)

# Create Node JS Application

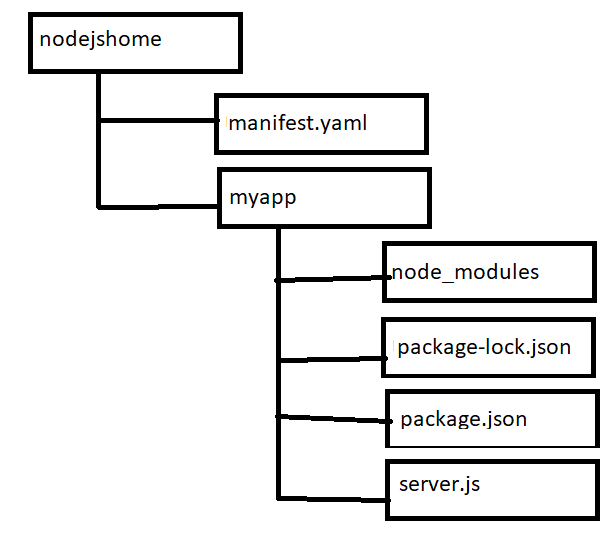
1. Create a dedicated folder **nodejshome** and another directory inside it called **myapp**
2. To Start the application change to **myapp** directory and execute **npm init** from command line, this will guide you through creating **package.json** file, its recommended to mention entry point as **server.js** (**Note: Through this document, I will take server.js as entry point**)
3. Now create a file called **server.js** (which will act as web server) in **myapp** folder.
4. Before you create an endpoint, download the dependencies and Install Node Packages (Express) – npm install express
5. Create an EndPoint (sayHello) in server.js.



1. Create a **manifest.yaml** file under **nodejshome** directory, this file contains all required information to deploy an application to SAP BTP, Cloud Foundry



1. You should now have the following directory structure

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1. Now login to BTP Cloud Foundry environment endpoint (via **cf login**) and execute following command (from command line) inside **nodejshome** directory

**cf push**

1. To figure out application URL, execute command (**cf apps**), from the list locate your app and next to it, you would find the application url

For rest of this document, assume this as the url of the application

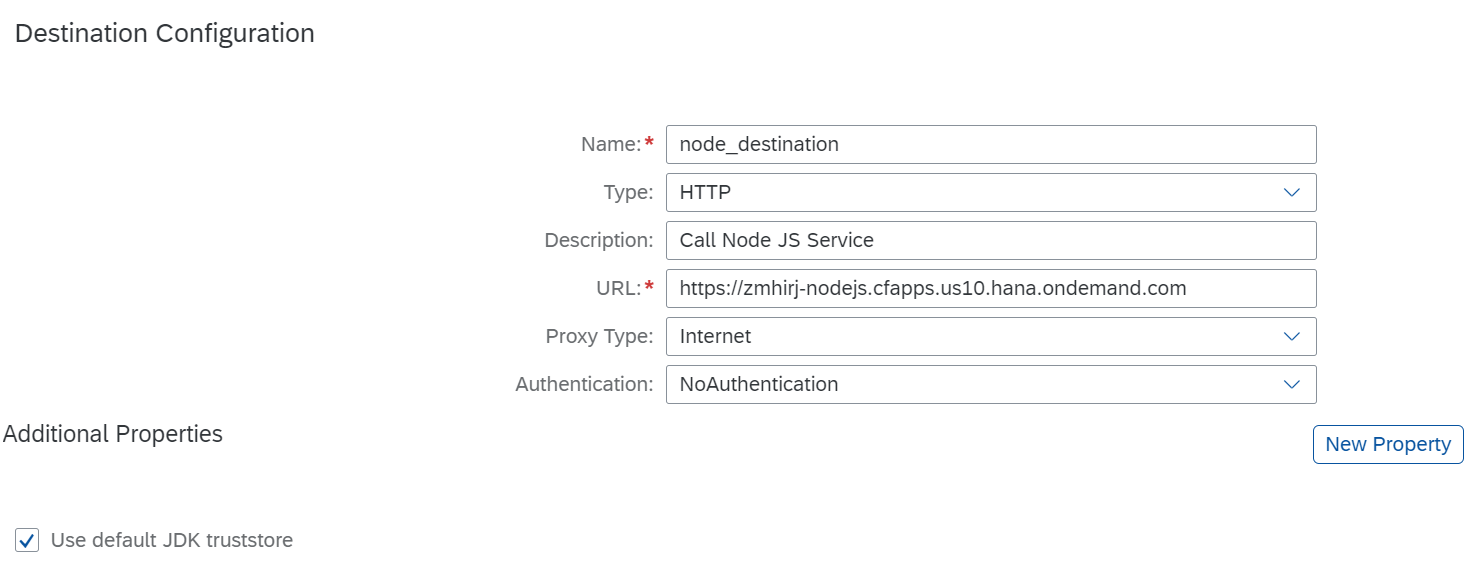
**https://zmhirj-nodejs.cfapps.us10.hana.ondemand.com**

1. We need to create a Destination service (mentioned in step 6), execute below command.

**cf create-service destination lite dest\_service**

This command tells Cloud Foundry to create an instance of destination service with service plan lite and make it accessible with name (**dest\_service**), we now use this name to bind the service to our application, we have already done this part, refer to step 6

# Create Destination in Cloud Foundry (BTP)



Create a Destination as per above screenshot, For URL, mention the URL from Step 9

# Consume Node JS service from UI

Open xs-app.json and make entry for route as below

{

"authenticationType": "none",

"csrfProtection": false,

"source": "^/ sayHello", **<<This should be the endpoint name, mentioned in node js application>>**

"destination": " node\_destination" **<<This should be destination name, created in cloud foundry>>**

}

Note: Make sure route entry is always above the route source ( **"source": "^(.\*)$"** ), otherwise it wont get triggered.

Now Make a AJAX call, as below



This method returns id mentioned in manifest.json, replacing dots

