

Node-RED Basics

Quiz, 5 questions

✖ Try again once you are ready.

Required to pass: 80% or higher

You can retake this quiz up to 3 times every 8 hours.

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1.

If I want to make an additional JavaScript package available to code running in a function node when running Node-RED in the IBM Cloud from the Internet of Things boilerplate, what actions are needed?

(Select all that apply)



run **npm install** to install the package

Un-selected is correct



Add **key:require('package name')** to the **functionGlobalContext** property of the settings file, then use **global.get('key')** in the function node code to access the package

Correct

Yes, you need to add the package to the global context object in the settings file to be able to access it using the **global.get()** call in your function node call



use **require('package name');** in the function code to be able to access the package

Un-selected is correct



add the package to dependencies section in package.json

Correct

Yes, adding the package to package.json will ensure the package becomes part of the application

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2.

How can I install a node listed on the flows page of the Node-RED website in my Node-RED pallet. The node doesn't need any prerequisite content to be installed.

Assume Node-RED is running from a standard install on a Raspberry Pi or laptop rather than the IBM Cloud.

(Select all that apply)



run **npm install** in the root directory, of the disk where the operating system files are located then restart Node-RED and refresh the browser

Un-selected is correct



From the Node-RED editor menu select Manage Pallet to access the pallet manager. Find the node on the install tab then press the install button.

Correct

yes, using the pallet manager will install a node



Edit the settings file and add the node name to a property called **nodes**, restart Node-RED then refresh the browser

Un-selected is correct



run **npm install** in the **.node-red** directory in the user's home directory then restart Node-RED and refresh the browser

This should be selected



Add the package to the dependencies section of package.json then run npm install, restart Node-RED then refresh the browser

Correct

Yes, Any package listed in the dependencies section of package.json file will be installed when npm install is run, which will make the package available to Node-RED, so the node will appear in the pallet.



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3. Node-RED Basics

How can I find out what version of Node-RED I am running?

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(Select all that apply)

☐

Look in the settings file. The version number is contained there



Un-selected is correct

☐

Look in package.json at the version property



This should be selected

☐

Look at the README.md file in the Node-RED root directory.



Un-selected is correct

☒

Look at the bottom of the menu in the Editor UI



Correct

Yes, the bottom the the menu contains the version of Node-RED you are currently running.



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4.

In a template node which of these will output content:

1 test is not defined

if msg.test is not contained in the incoming message object?

☒

1 {{test}} is not defined



This should not be selected

No, this does not check if property **test** has been defined, so will always generate content, but if test does not exit will output " **is not defined**"

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```
1  {{#test}}
2  test is not defined
3  {{/test}}
```

```
1  {{^test}}
2  test is not defined
3  {{/test}}
```



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5.

I have a node that publishes sensor data from the Bluetooth device. It puts the sensor name in **msg.topic** and the value read from the sensor in **msg.payload**. My flow is not creating the correct output, so I need to verify what the sensor node puts in the msg.topic property. How can I get the **msg.topic** data shown in the debug tab of the Node-RED editor?

(Select all that apply)



Use a debug node with the default configuration options

Un-selected is correct



In a function node use the node.log() function to send the msg.topic value to the debug panel

Un-selected is correct



Use a debug node, but manually change the configuration to show complete msg object

Correct

Yes, this option will send the complete msg object to the debug panel, which will include the **msg.topic** value



In a function node use the console.log() function to send the msg.topic value to the debug panel

Un-selected is correct

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