# **IBM Cloud**

## **Cloud Basics**

**Navigating IBM Cloud** 

# **Lab Guide**





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## **Cloud Basics**

Purpose:	This lab introduces the subject of Cloud. After completing the lab, you should be able to:  Understand Cloud Navigate IBM Cloud Platform Launch and use services on IBM Cloud
Tasks:	<ul> <li>Tasks you will complete in this lab exercise include:</li> <li>Signing up for IBM Cloud</li> <li>Navigating the IBM Cloud Platform</li> <li>Provisioning a Service</li> <li>Launch Watson Personality Insights</li> <li>Launch Watson Conversation</li> <li>Deploy a Cloud Foundry app using Node-RED Starter</li> </ul>

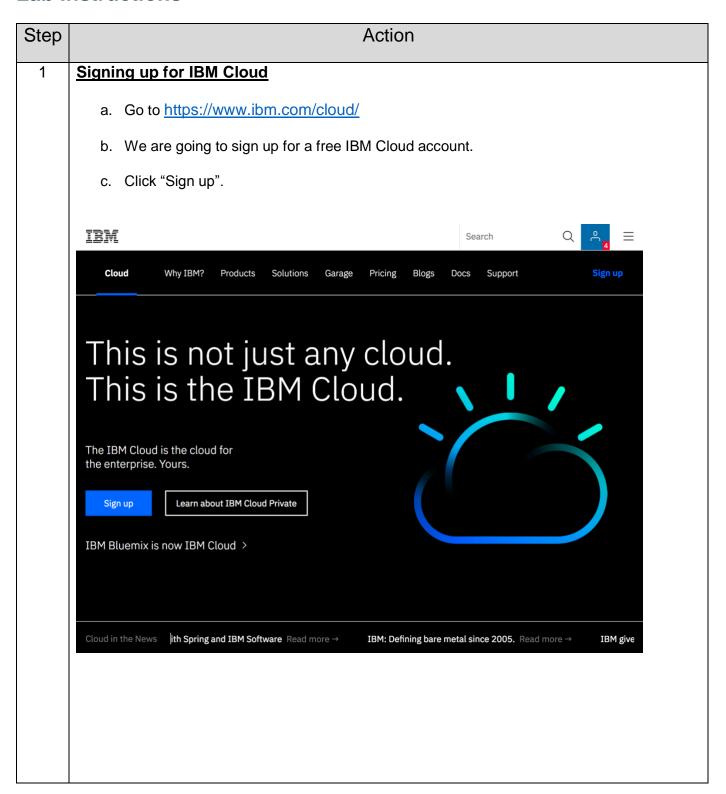


### **Lab Workflow Overview**

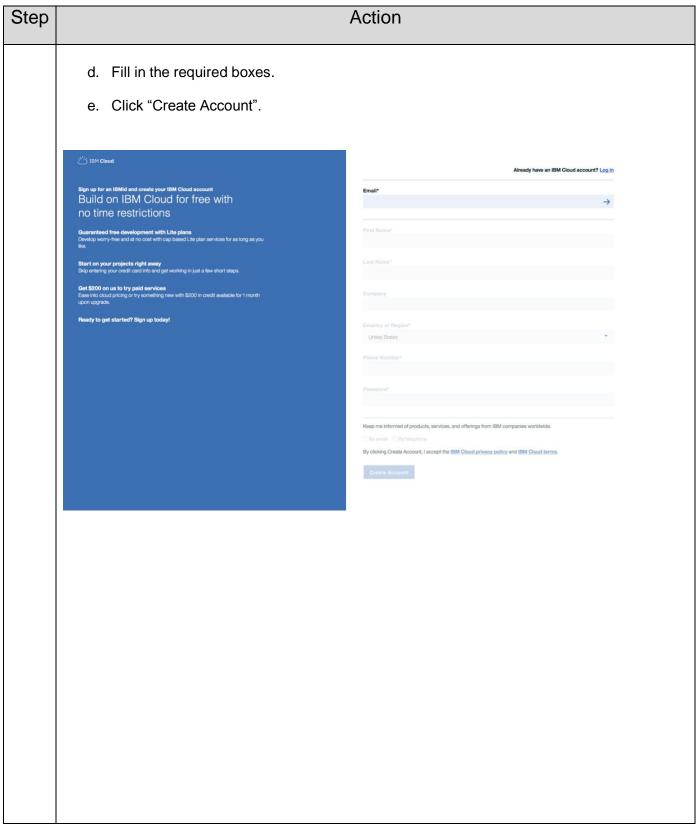
- Signing up for IBM Cloud
- Navigating the IBM Cloud Platform
- Provisioning a Service
- Launch Watson Personality Insights
- Launch Watson
- Create a Node-RED Flow



#### **Lab Instructions**



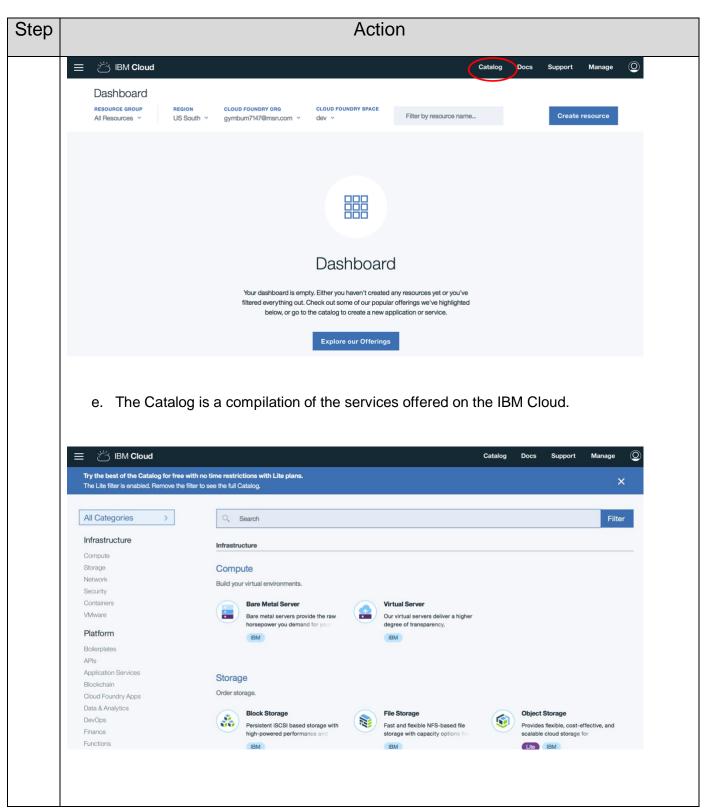






Step Action 2 **Navigating the IBM Cloud Platform** a. Log into IBM Cloud at https://console.bluemix.net/dashboard/apps/ If this is the first time you are using IBM Cloud (formerly Bluemix), an introduction window will appear, feel free to read it. Otherwise, click through. b. Click "Next", Click "Finish". Dashboard RESOURCE GROUP All Resources ~ USS Introducing resource groups ≡ 👸 IBM Cloud n use customizable groups to organize and secure your resources. Learn more We are now looking at the IBM Cloud Dashboard. d. Click on the "Catalog" button found in the upper right hand corner of the screen.

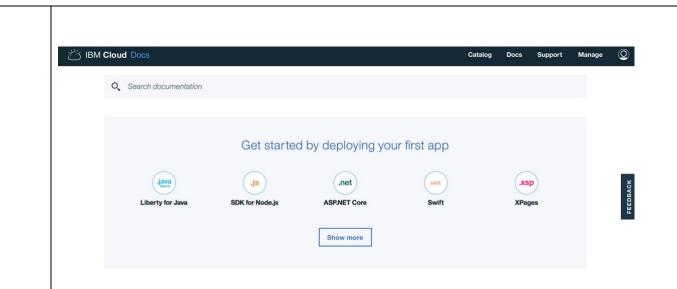






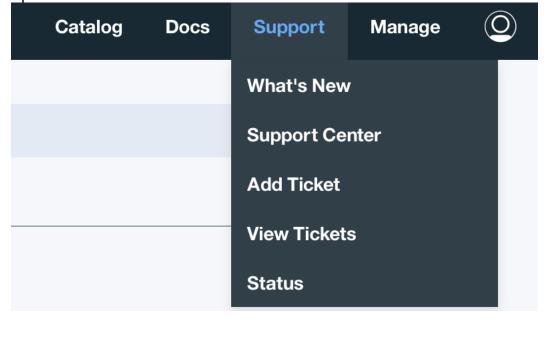
Step Action As you look around the catalog, there are a few places to observe. The page is laid out for simple navigation. We already selected the Catalog button to open the Catalog. The Docs link provides details on each of the services. We will touch on this when we initialize our service here in a bit. The Support page is available to answer any questions that cannot be found in Docs. And lastly Manage is where you can manager your account Space and Organization. You can have multiple Spaces. This is a way to keep different projects organized. Services are organized in categories. These include Infrastructure, Compute, Storage, Watson, etc. Each service will have a title, icon, brief explanation of the service, and either a blue or green oval. f. IBM Cloud supports both IBM products and services, as well as third-party. They are indicated by the small ovals below each service description. Third Party **IBM** Going along the same navigation bar as we found the catalog, we can see docs, support and manage. g. Click on "Docs". This is the first "go to" resource if you have questions about any of the services. IBM Cloud Docs houses tutorials, demo's, videos, starter kits...if you have questions about a service, this is a great resource. Scrolling down you can see that there are numerous links. Each service has a link. Click on one to look at the type of documentation. The documentation ranges from "getting started" and high level "what is this service" to technical details about deploying the services.





### h. Click on "Support".

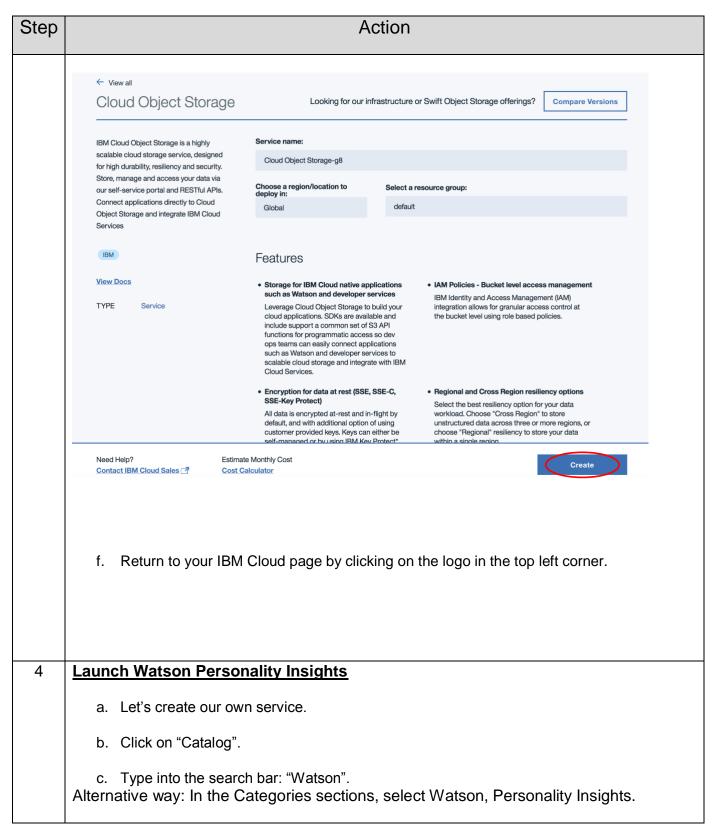
Support is a next level of information and help. When you click on it, it will display a drop down menu. If the answers cannot be solved by looking for Docs OR if an emergency situation arises with one of the services, this is where you go to open a ticket. Once the ticket is open, this is also where you can see the status of your tickets. The "What's new" tab will show you what is new on IBM Cloud. This is where you can go to see recent updates or releases on services.

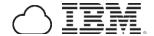


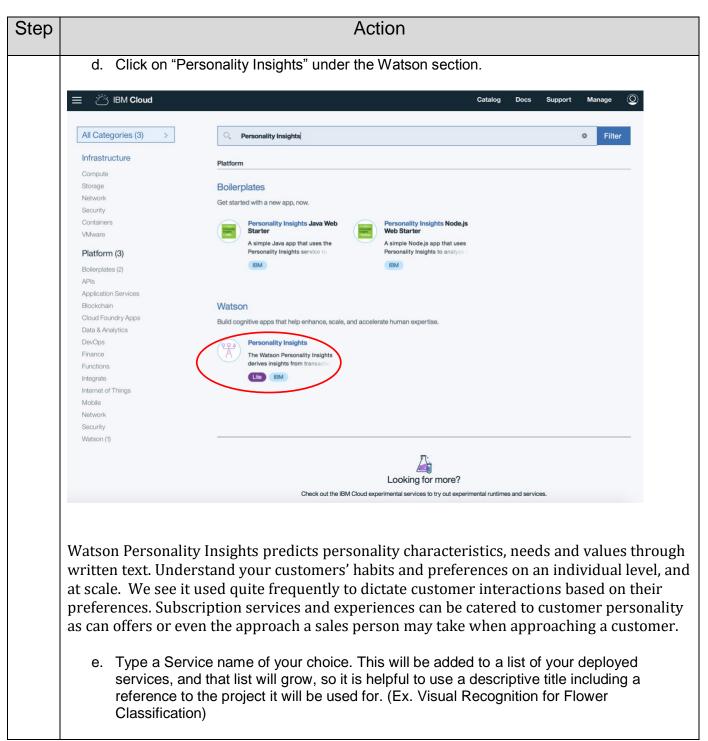


Step Action i. Click on "Manage". Manage is where you can keep track of your own account, billing and usage and security. Within the account tab, you can monitor users, groups, organizations, etc. Click on the head icon. Finally, the head icon will bring you to your personal account page. This is another way to access and manage your accounts such as organizations you are a part of or spaces you are working in. 3 **Provisioning a Service** a. Return to the catalog. Type in "Object". c. Click on "Object Storage". IBM Cloud All Categories (5) object Filter Infrastructure (1) Infrastructure Storage (1) Storage Network Order storage. Security Containers **Object Storage** VMware cost-effective, and so Platform (4) Boilerplates d. Give the service a name, leaving the region and resource group as the default options. The plan is "Lite". e. Click "Create".

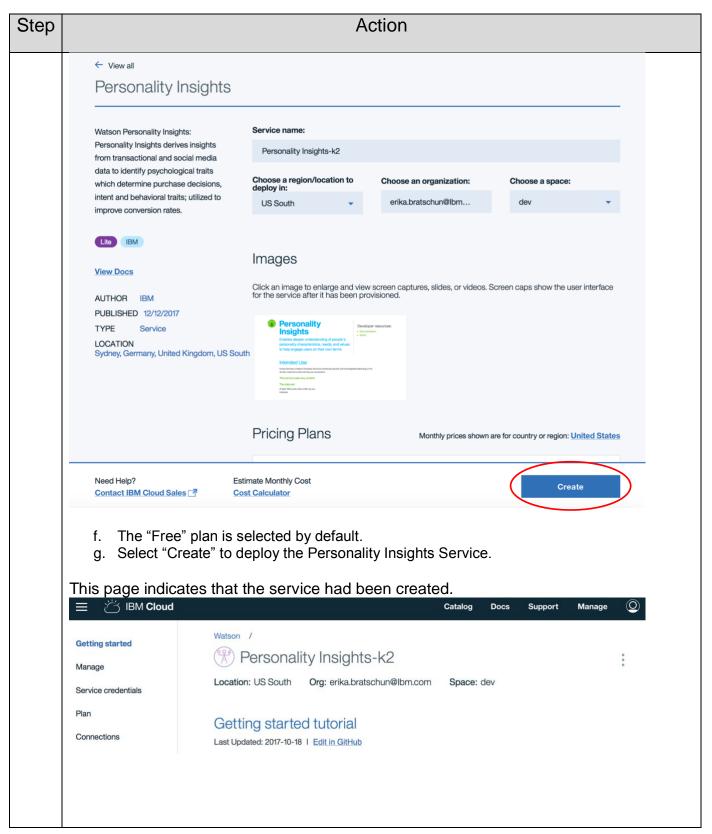




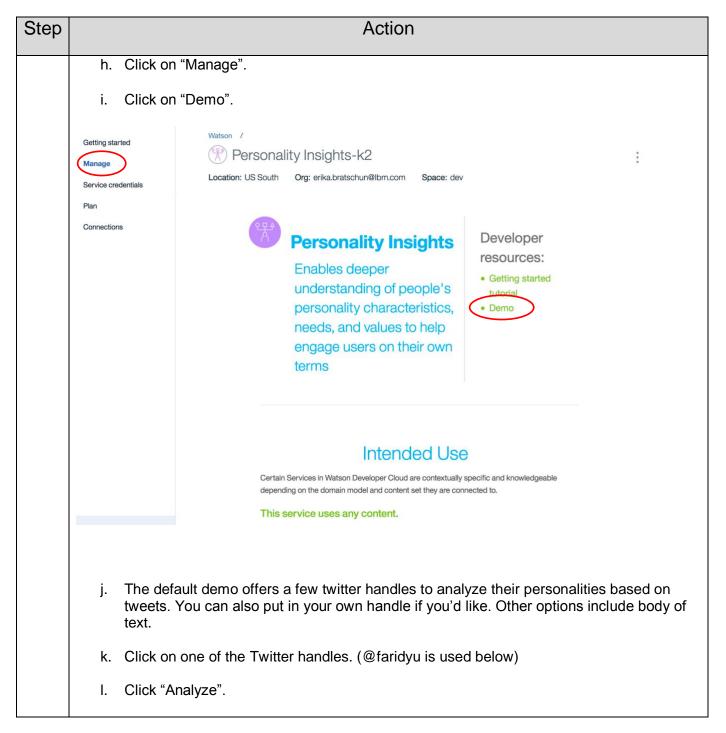




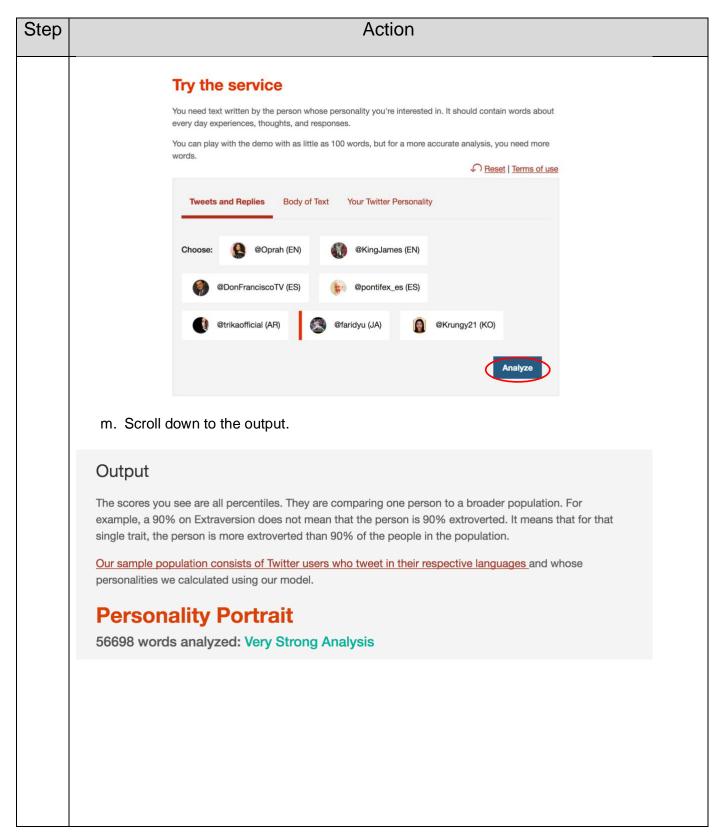




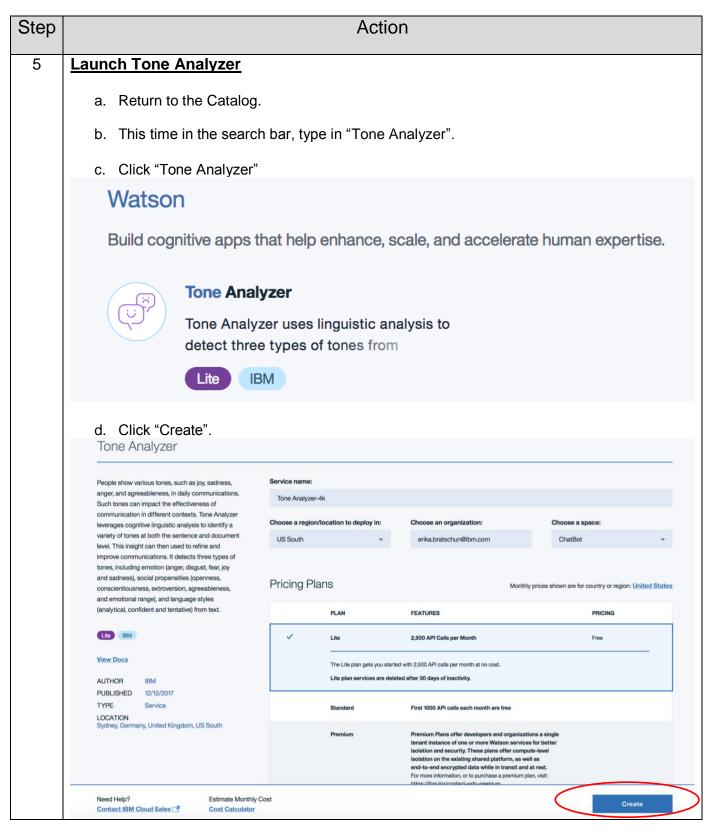


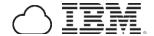






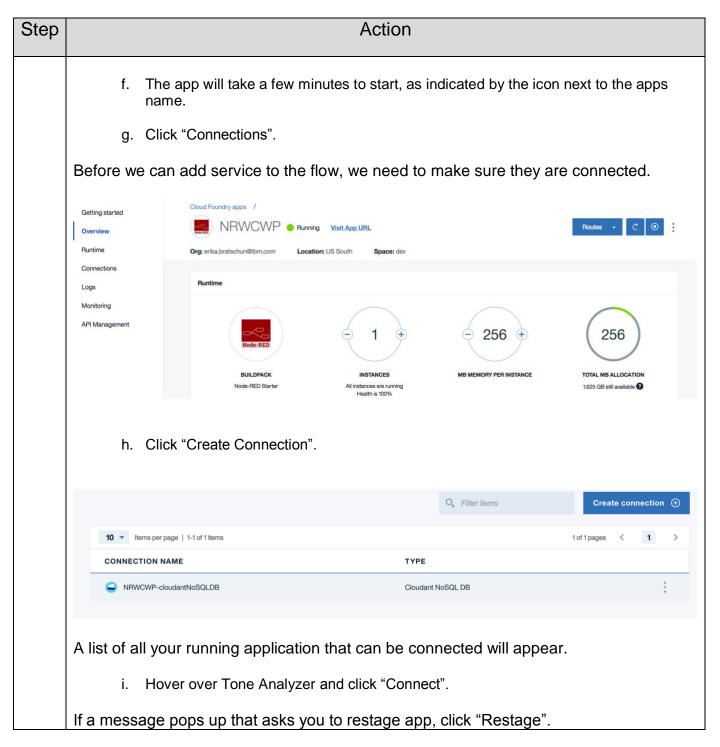




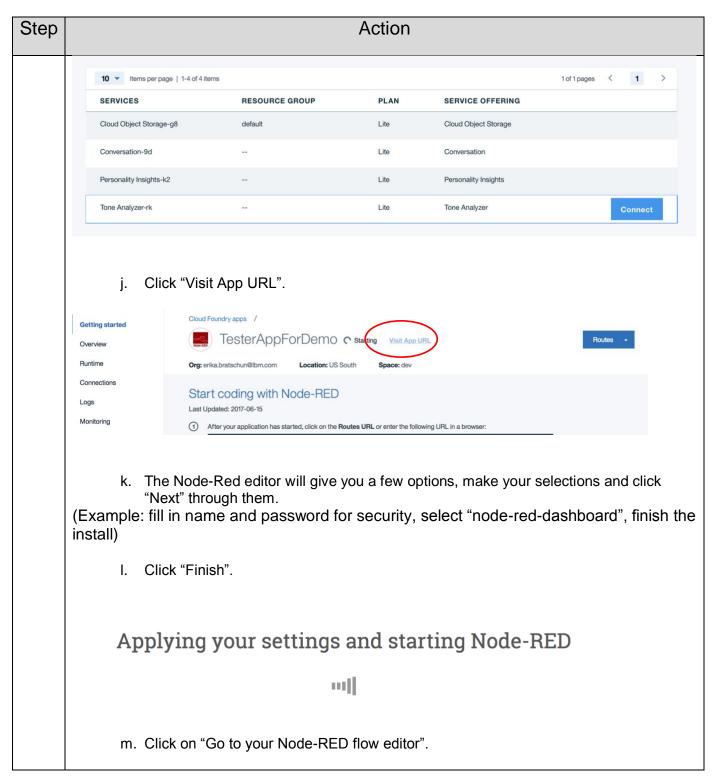


Step Action 6 **Create a Node-RED Flow** a. Return to the Catalog. b. This time in the search bar, type in "Node-Red". Node-Red Starter falls under the boilerplates section of the catalog. Node-RED Starter provides a flow editor to make it easy to wire devices together, APIS, and online services using the wide range of node available in the palette. The boilerplate provided offers a quick start to application development. c. Click on "Node-RED Starter". d. Fill in the required categories (once you type in an app name, it automatically becomes the host name as well). e. Click "Create". Create a Cloud Foundry App App name: Node-RED Starter Enter a unique name This application demonstrates how to run the Node-RED open-source project within IBM Bluemix. Enter a unique name mybluemix.net Lite Community Choose a region/location to deploy in: View Docs US South erika.bratschun@lbm.cor VERSION TYPE Boilerplate Selected Plan: US South, Germany, United Kingdom, Sydney SDK for Node.js™ Cloudant NoSQL DB Default Lite .js Cloudant NoSQL Need Help? Estimate Monthly Cost Contact IBM Cloud Sales Cost Calculator

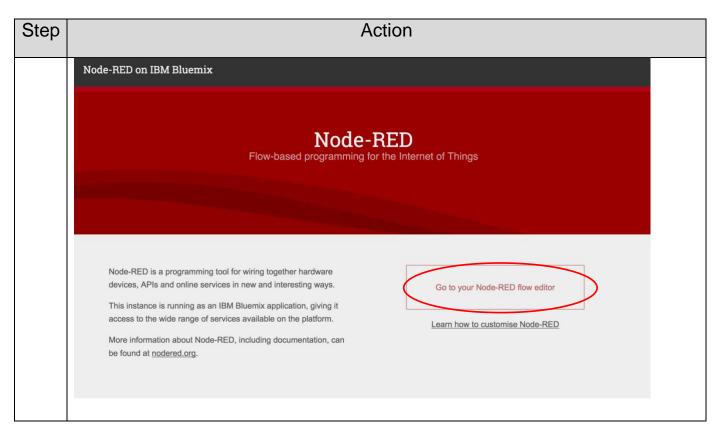


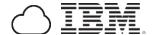


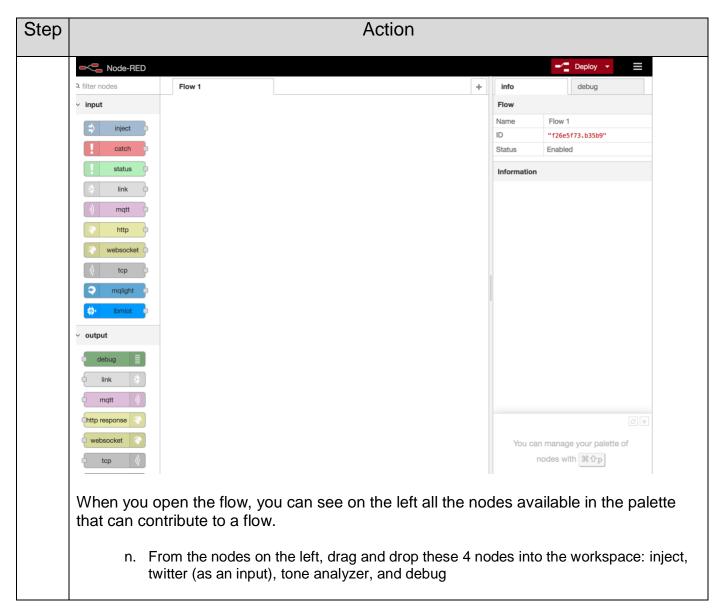




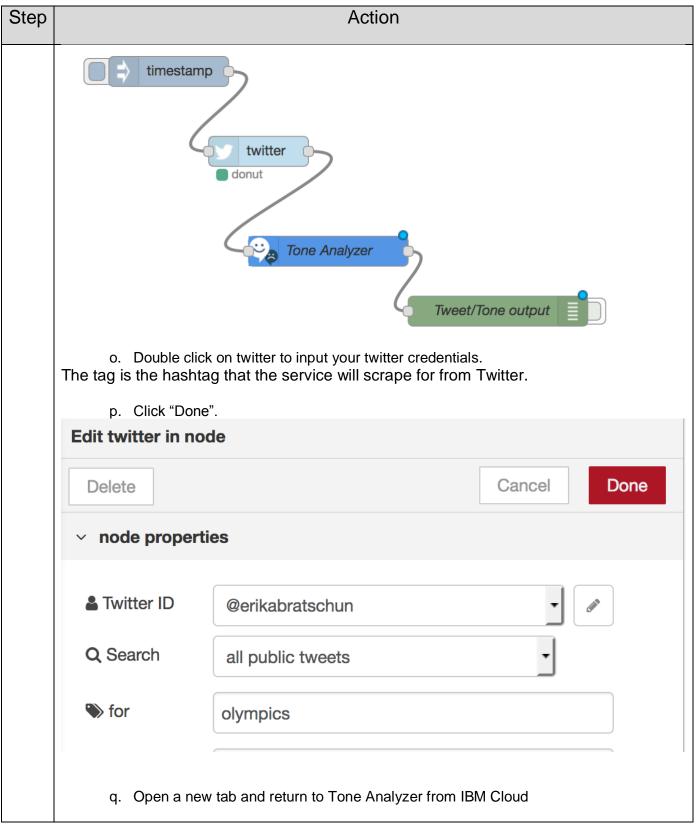




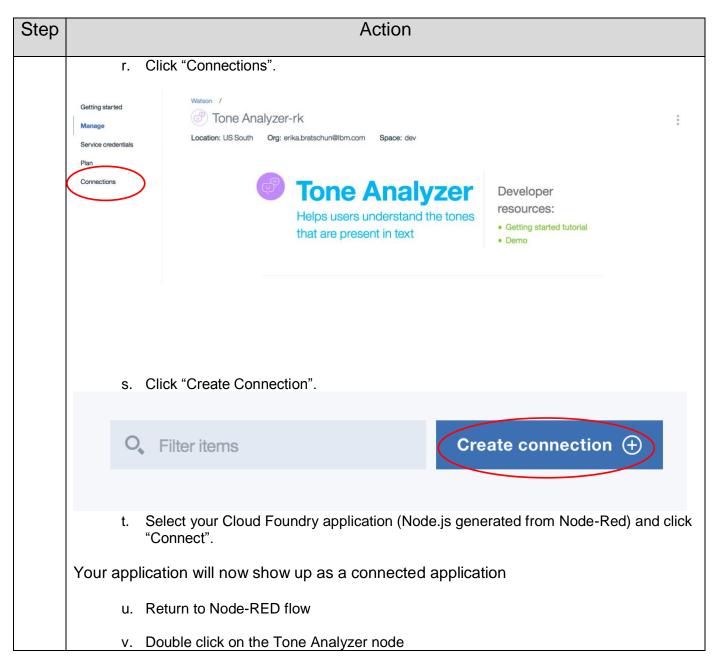


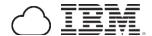


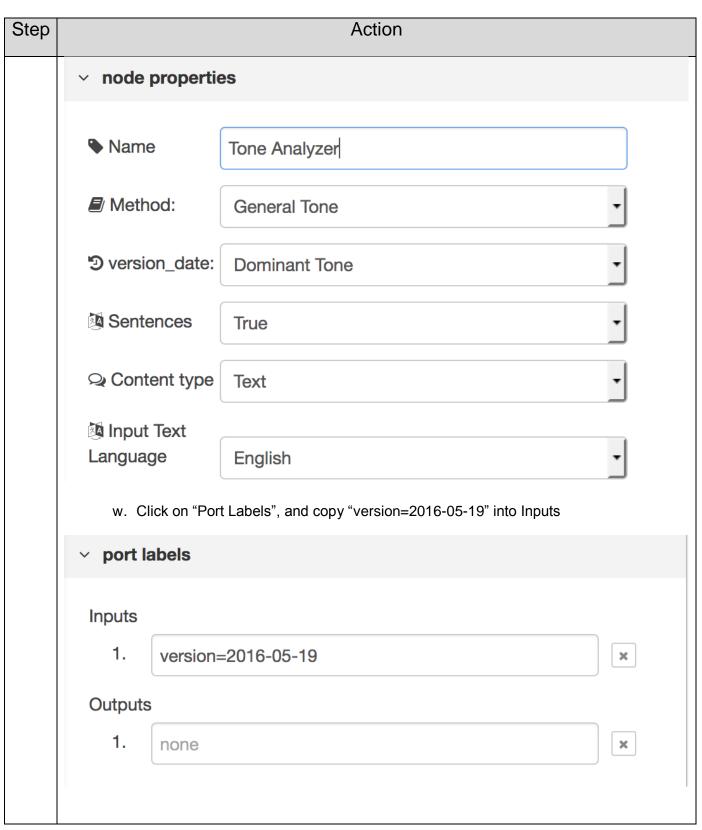






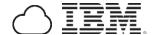








Step		Action
	·	on the debug node. output to "complete msg object".
	v node propertie	es
	<b>≣</b> Output	▼ complete msg object
	⊅\$ to	debug tab
	Name Name	Tweet/Tone output
	bb. Click "Deplo cc. To view the Tweets will begin to fi are coming in live, so dd. To view the	nodes by clicking on the dots and drag it to the input/output of the other. by in the top right corner. output, click the debug tab, found right under the deploy button. ilter in based on the tag indicated in the twitter node. These tweets as the tag is mentioned, the tweet will filter into the debug section. tweet and tone, click on one of the tweets and follow the arrow flow example below.



Step	Action		
	1/12/2018, 10:06:38 AM node: Tweet/Tone output		
	tweets/xiuchensism : msg : Object		
	<pre>→ object</pre>		
	topic: "tweets/xiuchensism"		
	<pre>payload: "RT @Olympics: True sportsmanship. ♥ https://t.co /09oCsSksvq"</pre>		
	lang: "en"		
	<pre>▶ tweet: object</pre>		
	<pre>▶ location: object</pre>		
	_msgid: "faa9fbda.0460a8"		
	<pre>▼ response: object</pre>		
	<pre>▼document_tone: object</pre>		
	▼tones: array[2]		
	▼0: object		
	score: 0.862763		
	tone_id: "joy"		
	tone_name: "Joy"		
	▼1: object		
	score: 0.986725		
	tone_id: "confident"		
	tone_name: "Confident"		
	<pre>▶ sentences_tone: array[2]</pre>		
	Depending on the tweet, you can see that this example shows 2 tones: joy and confidence.		
	Test out the tone analyzer with other tags!!		



## **Lab Summary**

To summarize what we just covered in this lab:

- 1. Sign up for IBM Cloud
- 2. Navigate the IBM Cloud Platform
- 3. Provision a Service
- 4. Launch Watson Personality Insights
- 5. Launch Watson Conversation
- 6. Deploy a Cloud Foundry app using Node-RED Starter