WH DevOps Toolchain Onboarding Steps

# Prerequisite Learning

As a CoDe team engineer, I need to understand the process for building, testing, and deploying Cloud native applications using the Watson Health Cloud Toolchain so I can support my products as they move to the cloud.  
  
**Acceptance Criteria**

* Read the Learning Page - <https://pages.github.ibm.com/wh-ops/wh-ops-playbook/checklist/learn/index/>
* Watch the DevOps Pipeline (Dev Experience) video - <https://ibm.ent.box.com/s/2cdt6z59ccbk985corljgz4kv54mz8nx>
* Watch the DevOps Pipeline (Ops Experience) video - <https://ibm.box.com/s/4ye7cdx55w5mk2528htiqf73a59pgrxk>
* Do the Hands On Tutorial - <https://www.ibm.com/cloud/garage/tutorials/use-develop-kubernetes-app-with-helm-toolchain>

# Proof of Concept

As a CoDe team engineer, I need to have a working knowledge of how the toolchain pipelines are intended to be implemented in order to be able to support development teams in their efforts in onboarding their applications into the cloud. I also need to be able to understand the underpinnings of the toolchain pipelines so I can start contributing to the inner source team.  
  
**Acceptance Criteria**

* Configure your personal IBM Cloud Account so you can use it to test toolchains in it:
  + Create a kubernetes cluster
  + Follow the instructions in the attached cloudLoginAndSetup doc for configuring your cluster
* Create API Keys you'll need for your personal account:
  + Cloud API Key
  + GitHub API Key
* Create a DevOps Insights instance using the latest stable-### branch of the insights toolchain here: <https://github.ibm.com/whc-toolchain/insights>
  + You'll need the insights toolchainid (from the url) once it's created
* Using your personal github account, create an umbrella github repository for your starter application
  + Create a branch for your testing work
* Fork the starter application (<https://github.ibm.com/whc-toolchain/whc-starter-app-1>), create a branch for your testing work (use the same name as in the umbrella repo), and (in the new branch) configure the app for your cluster (see attached example pipeline.config)
  + add the insights id to the pipeline config file
  + add the url for your umbrella repo
  + change the registry namespace to make it unique to you
* Use the latest stable-### branch of the toolchain-links project (https://github.ibm.com/whc-toolchain/whc-pipeline-links/)
  + to create a CI pipeline that builds your fork of the starter application
  + to create a CD pipeline that builds your fork of the starter application
  + to create a CT pipeline that builds your fork of the starter application
* Debug any issues that arise during the build, deploy, or test (CI/CD/CT) process