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| **OPENSHIFT CHEAT SHEET: AHK SHORTCUT: [?openshift]** |

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| You switched branches on git,  now you want to deploy that branch: |
| **WINDOWS CMD:**  rhc app-configure j1clone01 --deployment-branch ***MY\_BRANCH***  rhc show-app j1clone01 //j1clone01 is my app's name.  **PUTTY SSH:**  gear deploy MY\_BRANCH //(gear deploy HEAD works too)  **GIT BASH:**  git branch --set-upstream master [host] (Will configure push+pulls to goto the OPENSHIFT remote repo) (Rather than then salvaged GITHUB repo you started with.)  //Where [host] is something like:  55e4598189f5cfcf3c000008@j1clone01-madnamespace.rhcloud.com |

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| You want to figure out the mysql connection settings for hbm.cfg.xml? |
| SSH into OpenShift app.  In MYSQL folder on openshift: OPENSHIFT\_MYSQL\_VERSION == 5.5  OPENSHIFT\_MYSQL\_DB\_URL == mysql://adminXQ1FMjx:tWczw5ecRifW@127.7.232.130:3306/ OPENSHIFT\_MYSQL\_DB\_PASSWORD == tWczw5ecRifW  In <SSH ROOT>/.env folder on openshift: OPENSHIFT\_MYSQL\_DB\_HOST == 127.7.232.130 OPENSHIFT\_MYSQL\_DB\_PORT == 3306  Format needed to make connection URL for hbm.cfg.xml: jdbc:mysql://localhost:3306/myDatabase  What driver is used for open shift? "com.mysql.jdbc.Driver" SOURCE: C:\DEV\REPO\GIT\j\.openshift\config\context.xml |

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| Sample hbm.cfg.xml: |
| <hibernate-configuration>  <session-factory>  <property name="hibernate.connection.driver\_class">**com.mysql.jdbc.Driver**</property>  <property name="hibernate.connection.url">**jdbc:mysql://127.7.232.130:3306/j1clone01**</property>  <property name="hibernate.connection.username">**adminXQ1FMjx**</property>  <property name="hibernate.connection.password">**tWczw5ecRifW**</property>  <property name="hibernate.connection.pool\_size">1</property>  <property name="hibernate.dialect">org.hibernate.dialect.**MySQLDialect**</property>  <property name="show\_sql">true</property>  <property name="hbm2ddl.auto">create</property>  </session-factory>  </hibernate-configuration> |

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| **hbm.cfg.xml wire-up:** |
| 1.hbm.cfg.xml location: <prjRoot> / webapps / hbm.cfg.xml  2. reference in code: Use relative path of "/webapps/hbm.cfg.xml" |

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| **SETUP TUTORIAL: (We crashed and burned)**  **PROGRAMS:** Ruby, PuttyGen, WinSCP, Rapid Environment Editor  **RUBY INSTALLER:**  http://rubyinstaller.org/downloads/ Get 2.2.3. x86 version. (Being cautious for compatibility with other systems)  **THEN ON COMMAND LINE:** https://developers.openshift.com/en/getting-started-windows.html#client-tools 1. check to make sure ruby installed: $ruby -version 2. Install openshift rhc tools: $gem install rhc  **CREATE AN EMPTY GIT REPO WITHOUT A README.** I recommend doing it this way, so that if you destroy your server, it will be easier to recover the code because you can just re-deploy a new openshift project with the same repo. If your main repo is on openshift, if you destroy your app server, it will be a little bit more complicated to recover. Drew helped me recover my OpenShift project. I had to upload my LOCAL openshift repo to github and then redeploy a new openshift project using that new git repo. This is one of the advantages of distributed version control, but it doesn't mean it is simple/easy. Unless you have a lot of practice of blowing up your main repo.  **MAKE NEW PROJECT ON OPENSHIFT:** Gears: 1. Jboss Cartridge (for some reason this is tomcat. Someone explain to me why?) 2.MySQL Cartridge 3.PhpMyAdmin Cartridge Remember to select the option to deploy using an existing repo. Probably some SSH key setup here as well.  <https://docs.openshift.com/online/user_guide/ssh_keys.html#tutorial-creating-and-uploading-ssh-keys> **ssh-keygen -t -rsa :MUST HAVE DASH BETWEEN "ssh" and "keygen"!!!**  Must add contents of .pub file to GITHUB and OPENSHIFT. GITHUB: <https://github.com/JMadisonAtNexientDotCom/OpenShiftTutRepo/settings/keys> OPENSHIFT:  Note: To deploy with existing git repo. THat git repo probably needs a basic maven projec structure in it with a pom.xml file.  David Sun used Version 2.1.?? of Ruby. Most current version of ruby is NOT compatible with openshift. I am using 2.2.3. x86   |  |  | | --- | --- | |  | Chrome's SSH client is bit weird. After selecting "import" and choosing your key, you ALSO must then select it from the drop down: | |