BRM, CruiseControl and SVN Walkthrough Script

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## Preliminary Steps

1. Log on to PSG-TS as Don Caps or JoeB
2. DC on the CruiseControl.bat link on the desktop. This starts up CruiseControl. This window must stay open for CC to work (but you can minimize it).
3. Go to the CC dashboard internet page here: <http://psg-ts:8090/dashboard/tab/builds>
4. Open Windows Explorer and navigate here: C:\CruiseControl\cruisecontrol-bin-2.8.2\projects\connectfour
5. Open up LMe and, in the package tab, position to Web/CCConnectFour/CC(1) and make this your default application.
6. From the desktop, run the CruiseControl Configuration UI.

## Step 1: Program Change and Build

1. Show CC web site.
2. Explain that CC can generate the build three ways:
   1. On a timer (e.g. every 10 minutes)
   2. On a trigger (e.g. a commit to Subversion)
   3. Manually
3. Explain that we will be using Subversion but doing a manual build to save some time.
4. Development:
   1. Go to the CC project in the Explorer view
   2. Show that the project is under Subversion
   3. We won’t make a change today, it’s the standard process of checkout, change, commit
   4. Do NOT commit it because the repository is not on our server. Just talk to that process.
5. Build
   1. Return to the CC web page.
   2. Click on the “Force Build” icon on the bottom right.
   3. The build will take 60 – 90 seconds, usually.

## Step 2: CruiseControl User Interface

1. While the build is running, explain that we have inserted the BRM “import” command into the build’s XML to automatically grab the CC package output and push it into BRM.
2. Switch to the CC UI program
3. This is a free tool that lets you monitor and configure how CC functions.
4. Click on Server, Configure Projects
5. Click on the ConnectFour project and the Publishers tab
6. Click on the three “execute” publishers to show how we have inserted the BRM commands natively into ConnectFour’s build script.
7. Now return to CC web site and show that the build has completed normally.

## Step 3: Use BRM to promote and deploy.

1. Return to BRM.
2. Hit refresh and show the new package in the IMP stage.
3. RC on the package and go to properties.
4. Explain the information contained on the General tab.
5. Click on the Instances tab.
6. Launch Viewer for the Build Script. Show the inserted import lines.
7. RC on the package and promote.
8. Show that we are promoting to QA and deploying the jar file to the QA server.
9. Show the deployment set.
10. Show the email confirmation that the set has arrived (if you have this configured).
11. Explain that this release requires a request to promote before promoting to production.
12. RC and Request promote.
13. Promote and deploy to production.
14. Show the deployment set
    1. Targets deployed to.
    2. Files deployed.
    3. Ability to redeploy.