Jenkins 1.5.0 Release

## Enhancements within release:

Some of the enhancements can only be done in ws-v9, so those enhancements will have a subtext of v9, but other enhancements can be universal. Those enhancements will have a universal subtext.

* Adding a method to add new checkers to the checkers list (Bug#: 71088)
  + Universal enhancement
  + Calling feature, “Add Checkers”
* Filtering based on impact (Bug#: 69475)
  + Ws-v9 enhancement
  + Feature name: “Impact Filter”
* Mark build as unstable if defects are found (Bug#: 41486)
  + Universal enhancement
  + Feature name: “Unstable Builds”

Also includes bug fixes.

Bug# List:

* 71088
  + Fixing incorrect defect count
  + P1
* 69475
  + Filter based on impact
  + “Impact Filter” enhancement
  + P1
* 56367
  + Fixing defect chart.
  + P2
  + Larger change.
* 57367
  + Fixing defect chart
  + I believe the issue is the same as above.
* 67780
  + Toggling advance scm button
  + P2
* 67321
  + Fixing doc text
* 69229
  + changing configuration causes plugin to crash
* 66249
  + reopened bug about build menus
* 41486
  + Marking build unstable if defects are found
  + “Unstable Builds” enhancement.

# Add Checkers:

Requirements:

* + Requires the addition of a text field. This text field will give the functionality of adding new checkers to the checker list.
  + New checkers should somehow be visually different, so that the user knows which checkers were added for that build.
  + Could also figure out a way so the user can universally add new checkers, but for now we are doing it on a, per build, bases.
  + Add function to delete the new checkers
  + Checkers do not need to be checked to see if they exist since the filtering will not filter the check if it cannot be found
    - User is able to add any text to this list
  + When you update the plugin or make a clone of a build. The check list that was added should also be saved
  + Add an option to also allow them to modify a text file?
  + MAKE SURE THE CHECKER IS SAVED!!! (rageguy)

## Development requirements:

* Find a way to add a new filter field
* Take the new filter field list and add that to the current ignored checkers list.
* Make sure that the list of new checkers is saved through upgrade

# Impact Filter

## Requirements:

* Allow the user to filter their checkers based upon impact
* Give the option to select from high, medium and low
* Allow the user to choose multiple impact levels
* Filter will be, only select filters on the selected impact levels
* By default, all impact levels are selected

## Development requirements:

* The plugin needs to call down all checkerPropertyDataObj for the project from CIM
* The conversion could be done by getting the checker name, and then finding the checkerPropertyDataObj

# Unstable Builds

## Requirements:

* Create checkbox in the configuration to allow builds to be set as unstable if defects are found
* Make sure the filters work, so that builds don’t fail if anything is pushed back

### Development requirements

* Figure out method to set a build to unstable automatically
* The check should be done after the post commit filtering

# Defect Chart

### Requirements:

* Fix the defect chart to show an accurate number of defects when changing between CIM instances
* User should be able to see a chart of defects for the build even if the cim instances change.
* Deleting a build should also show changes in the defect chart
  + Essentially removing the build and defect number from the chart

### Development requirements

* The defect chart should either be caching the defect count so that it can easily be populated
* The chart should be independent from the CIM instance, and more dependent upon the build itself.
* The build should have the information cached for saves so that it can always have access to the data
* Current issue is that the plugin will go into the current instance to find the defect numbers, but when the user changes instances, it cannot find the data. Thus it causes an error
* Another solution is to only pull all data on that cim instance
  + A lot harder in my opinion