ISR: Hot fixes rolled out every few months based on customer feedback on the full release that are rolled out once a year around October. A project branch is forked out and we build our fixes on that to ensure no break due to new code changes. These are then committed to the main and merged.

**Regarding Pulse:**

Change the vista\_pb.bat script with every new hierarchy update and every new workspace respectively.

You can launch it from within the hierarchy by going to server >

Running locally requires a local DB.

**Linux and P4:**

To unshelve in linux:

1. Shelve the files in a changelist on windows p4v
2. In Linux, go to the workspace where you wish to unshelve the files

Ex: cd /vols/spbws/sshivans/p4workspace/sshivans\_2310\_lnx

1. Run the command: p4 unshelve -s <Changelist Number>
2. Create new changelist in linux p4v. You will see the unshelved files ready to be added to the changelist. Add those files to the newly created changelist.
3. FE/GK Build  
   gkbuild -r <release> -br <branch> -cl <changelist>
4. RBT POST  
   command: rbt post –target-people=naina,Tanima,sekhawat,jasmine --publish <CL NUMBER>

If you don’t use –publish it just creates a draft that you have to submit through the website.

For linux just rbt post –target-people=naina,Tanima,sekhwat,jasmine <CL NUMBER>

1. Check in  
   command: p4ci -cl <CL NUMBER>
2. Promote

FEBUILD”

RUN IT FROM THE WORKSPACE WHERE YOU UNSHELVED THE FILES

Febuild -r <release number> -br main -cl <cl number>

“febuild -r 23.10 -br main 417009”

The fe-build will run and then the gk build will pass and email will send you a link to where the log file is formed:

[\\noiclapa02\spbgk\users\sshivans\sshivans\_2310\_lnx\_GKUNIX\23.10\main\log](file:///\\noiclapa02\spbgk\users\sshivans\sshivans_2310_lnx_GKUNIX\23.10\main\log)

Go one folder back to ..\main

Then go to bin

Then to lni64

Take the “.so” files and and paste in linux

MY SCRATCH SPACE IS

/servers/scratch50g/sshivans

cp -rf /servers/spbgk/users/sshivans/sshivans\_2310\_lnx\_GKUNIX/23.10/main/bin/lni64/\*.so /servers/scratch50g/sshivans/new\_main/tools/lib/64bit/.

/servers/spbgk/users/sshivans/sshivans\_2310\_lnx\_GKUNIX>

**Validate a CCR from latest hierarchy:** Check if the updated hierarchy has the feature fix that you checked in.

**Update:cp**

**HIER:**Steps-

Run the robocopy script.

Run p4 sync …

On the workspace

Then run p4fixsymlinks

What all to reset: Pulse configs are in the hierarchy so always reset those.

Pcbdw-> recipe-> aurora->configs->config.json

**The depot has all the hierarchies and all its subfolders.**

**You map the code and dependencies and files from the depot onto your workspace.**

**This has to be in sync with the latest local hierarchy. The local hierarchy is a local copy of the CM hierarchy. There are symbolic links between the local hierarchy and the workspace.**

Testcase for 2980160

setenv CDS\_SYSCAP\_ENABLE\_AUL\_OPEN 1

/home/sshivans>setenv CDS\_SYSCAP\_ENABLE\_AUL\_CREATE 1

/

cds/PVTS/tests

Pvts 23.1 isr005

/cds/PVTS/tests/pvts\_23.1\_ISR005

At new\_librarian > source regsetup\_linux.csh

Shelving and Un-shelving.

Various Properties on the front-end side.

Pulse.

Postman.

CCMS: Cadence Change Management System.

Project Names cannot have capital letters.

How to open Unison in linux.

If Link error during build, check if its ReleaseWithDebug instead of XReleaseWithDebug

Bin folder/win64 holds all the built dll and exe files in the hier.

And fe> program

We make the changes to the workspace and we can lend the built DLLs and Exe files to the hierarchy, so that we can see if our changes work. The hierarchy doesn’t know there are changes however so we need to restart the pulse server. Once we restart pulse we know that our changes have been incorporated.

Exe’s pick DLLs from the same folder.

DEHDL changes.

So to see reflected changes, replace both exe and associated DLL’s in the hierarchy from the workspace

# **BREAK ERRORS**

1. Build Errors

Try re- fixsymlinks and re- sync … the workspace and close and reopen VS then clean and build.

1. Modules show (VISUAL STUDIO <version> ) next to their names

Try to change the Build type to ReleaseWithDebug and or XReleaseWithDebug, clean everything and re- fixsymlinks and re-sync. Then build only the important modules first.

1. Assert Errors

Don’t know at the moment.

1. Microsoft Make File Target Errors

Can ignore for the most part, if not then try to unload the projects throwing that error.

1. If the Debugger crashes randomly: MINIMUM number of modules:

clean the binroot and just build THE CURRENT dll - ALso build source cockpit and program unison

Does the clean project thing clean the win64?

1. Make sure your visual studio 22 env.config file has the correct path for the compiler, since you might have it installed in a drive other than C:\ drive.

# **On refreshing:**

Hierarchy:

Run the robocopy\_hier script.

Change the script to match the destination source, name of the destination hierarchy and the version of the source CM

Change the pulse configurations in the tools > pcbdw

And remove the minimum requirements.

Always run the tool from Hierarchy to check if the hierarchy and tool are running fine.

Workspace:

Make bin folder and win64

Mklink

P4fixsymlinks

P4 sync …

After a fresh build that is working correctly, take a backup of the win64 folder to go back to the last working edition in case the build starts breaking.

For every refresh hierarchy first check if the CM build is running perfectly that day.

Then take the fresh update.-ta

You need to have the workspace mapped. Always. On both windows and linux.

If you don’t, you can’t unshelve files to a workspace.

The batch file Tanima ma’am gave me has the command to set the env variable for Pulse as managed.

FOR DE-HDL flow, do not point to any server, clean pulse, enable environment variables.

Path in workspace equivalent to the hierarchy.

Ldax is the third flavor: NOT EXPOSED to the customer, tdax is for this, allegro unified.

Pulse server is not required to be up and only atom is up.

If you set any server path and you restart unison, and you login, this means as NML or PML(pulse managed flow)

Single user, DEHDL ,no path is set, new is set.

No

The tdax is for unified flow and that requires two environment variables and no server.

I need to have a working build at all times.

WHAT WAS THE WAY OF CHECKING CDS\_LOG?????

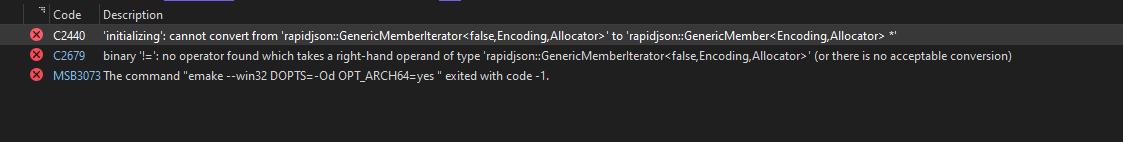
C:\Program Files (x86)/Windows Kits/10

const auto& userData = itr1->value.GetObject(); to

rapidjson::Value userData = itr1->value.GetObject(); 315

for (rapidjson::Value::MemberIterator itr2 = userData.MemberBegin(); itr2 != userData.MemberEnd(); ++itr2)//

{



const rapidjson::Value& relatedObject = relatedObj[RELATED\_KEY.c\_str()];

-

-

-

std::tie(status, nextRespObj) = this->ParseLibraryDataObj(relatedObj);

remove getObject() and add prefix const rapidjson::Value&

# **Important Files:**

**Config File for NML server**:

E:\cadence\_hier\2410\_main\tools\pcbdw\configs\aurora\recipes\server.json

Remove the minimum requirement values.

**Config File for Features we need to add/change**:

E:\cadence\_hier\2410\_main\tools\pcbdw\configs\vault\library\schema\v3\library\_types.json

Add/change the cut/copy menu options for various data models.

# **Linux:**

# **Regression**

Unshelve a cl on linux

**Make a hierarchy on linux**

makehier.sh /lan/spb/builds/23.10/main/lnx86/latest lni64

makehier.sh /lan/spb/builds/24.10/main/lnx86/latest lni64

Run febuild or gknbuild from workspace in linux

Take the files from the febuild and put them in the hierarchy on linux

cp -rf /servers/spbgk/users/sshivans/sshivans\_2410\_lnx\_GKUNIX/23.10/main/bin/lni64/\*.so /servers/scratch50g/sshivans/hier/24.10\_main/tools/lib/64bit.

\\noiclapa02\spbgk\users\sshivans\s23.10\_r\_GKUNIX\23.10\main\bin\lni64

Then run farm with default hier and then user hier

**Launching Tool:**