How to setup the build environment & clone the remote UI source?

The following are the steps to configure the build environment & clone the remote UI source

Pre-requisites:

User should be having the access to the following repositories:

SVN:

https://subversion.harman.com/viewvc/ntg6_har_sdk/

https://subversion.harman.com/viewvc/ntg6_har_remoteui/remoteui_source/

GIT:

https://stash1.harman.com/projects/N6H_REMUI/repos/remoteui_harman/browse

https://stash1.harman.com/projects/N6H_REMUI/repos/remoteui_source/browse

Step1: Configure Git User Name / Email

use the following command to configure the git username and email id

$git config --global user.name "<GIVENNAME> <LASTNAME>"

$git config --global user.email <EMAIL@DOMAIN.COM>

User Name: Harman userId

Email: Harman Email Id

Step2: Key Generation

Generate key - use the following command

$ ssh-keygen -t rsa

press enter in all commandline information.

It generates the key. Copy the key and use it in Step3.

Note:

By default, key generates in cat ~/.ssh/id_rsa.pub

Step3: Added key in Stash / Accounts

1. Login into Stash Account

2. Open Profile-> Manage Account / SSH Keys

3. Copy the key generated in step2 to SSH

Step4: Clone Remote UI Source from Stash (git)

Use the following command to clone the remote UI source

$ git clone *ssh://git@stash1.harman.com:7999/n6h_remui/remoteui_source.git*

Note:-

Feature/develop is the branch used to clone the remote UI source

Step5: Perform gclient sync

Check git branch points to feature / develop by using the following command.

$ cd remoteui_source

checkout the branch.

$ git checkout <BranchName> - Please ask to ur team member for detail.

Execute gclient sync to pull the SDK and required tools

$ gclient sync --deps NTG7_MAIN -v

If got SVN error, like below

> _____ running 'svn checkout
> https://subversion.harman.com/svn/ntg6_har_remoteui/remoteui_platform/NTG6//usr/lib/CarLife@3737
> /home/yoctoadm/project/remoteui_source/project/source/packages/remoteui_platform/usr/lib/CarLife --revision 3737 --non-interactive --ignore-externals'
> in '/home/yoctoadm/project/remoteui_source' svn: E215004: Authentication
> failed and interactive prompting is disabled; see the --force-interactive option
> svn: E215004: Unable to connect to a repository at URL
> 'https://subversion.harman.com/svn/ntg6_har_remoteui/remoteui_platform/NTG6/usr/lib/AndroidAuto' svn: E215004: No more credentials or we tried too many times.
> Authentication failed svn: E215004: Authentication failed and interactive
> prompting is disabled; see the --force-interactive option svn: E215004: Unable to
> connect to a repository at URL
> 'https://subversion.harman.com/svn/ntg6_har_remoteui/remoteui_platform/NTG6/usr/lib/CarLife' svn: E215004: No more credentials or we tried too many times.
> Authentication failed

Please copy svn checkout command without "--non-interactive –ignore-externals" and enter your username and password.

> For example for above error…
> svn checkout
> https://subversion.harman.com/svn/ntg6_har_remoteui/remoteui_platform/NTG6//usr/lib/CarLife@3737

/home/yoctoadm/project/remoteui_source/project/source/packages/remoteui_platform/usr/lib/CarLife --revision 3737

OR

If above gclient command failed. Use below step

$ cd ~/

download in ntg6_common_depot_tools.tar.gz HOME dir.

extract ntg6_common_depot_tools

$ chmod 777 ~/ntg6_common_dept_tools/update_dept_tools

go to again main project folder

$ cd ~/

$ cd Project

$ cd remoteui_source

$ ~/ntg6_common_depot_tools/gclient sync --deps NTG7_MAIN -v

This command takes arround 400 to 500MB of data.

Step6: Building remote UI

Run build central script located in docker folder

$ sudo apt install docker
$ sudo apt install docker.io

$ sudo chmod -R 0777 ~/.docker/

$ sudo chmod 0777 /var/run/docker.sock

$ sudo docker login artifactory-fr.harman.com:5010

Enter username and password.

$ cd docker

$ ./runbuildcentral --build-track NTG7_MAIN

(to the above statement, add -s=1 -b

-s=1 means sessions=1 ; -b is background)

Do not interrupt the execution. Second time its start from beginning.