

# Requirements

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- Lunah Instrument Dev Kit
- Xilinx SDK 2015.3
- If using windows (recommended) download the windows software here: <https://desktop.github.com/>

## Clone a Copy of the Repository Locally

1) Create a local directory.

example:

C:\Users\User\GitHub\Local\_Lunah\_Repo

2) Launch Git Shell

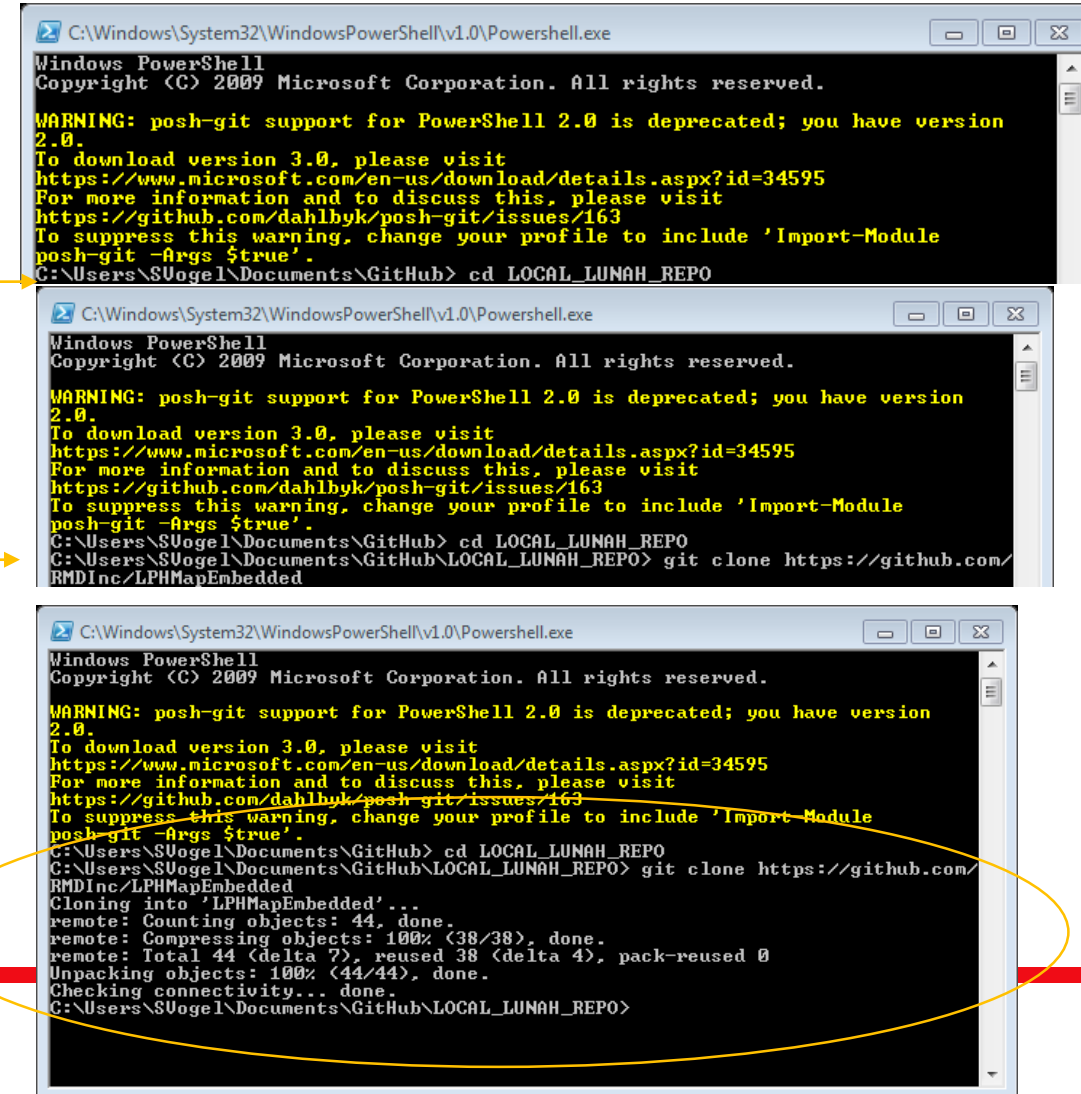
3) Navigate to newly created local directory

example:

4) Clone a copy of the repository locally

example:

5) Here is an example of the full output you should see after step 4



```
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShell.exe
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.

WARNING: posh-git support for PowerShell 2.0 is deprecated; you have version 2.0.
To download version 3.0, please visit
https://www.microsoft.com/en-us/download/details.aspx?id=34595
For more information and to discuss this, please visit
https://github.com/dahlbyk/posh-git/issues/163
To suppress this warning, change your profile to include 'Import-Module posh-git -Args $true'.
C:\Users\SUogel\Documents\GitHub> cd LOCAL_LUNAH_REPO

C:\Windows\System32\WindowsPowerShell\v1.0\PowerShell.exe
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.

WARNING: posh-git support for PowerShell 2.0 is deprecated; you have version 2.0.
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For more information and to discuss this, please visit
https://github.com/dahlbyk/posh-git/issues/163
To suppress this warning, change your profile to include 'Import-Module posh-git -Args $true'.
C:\Users\SUogel\Documents\GitHub> cd LOCAL_LUNAH_REPO
C:\Users\SUogel\Documents\GitHub\LOCAL_LUNAH_REPO> git clone https://github.com/RMDInc/LPHMapEmbedded

C:\Windows\System32\WindowsPowerShell\v1.0\PowerShell.exe
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.

WARNING: posh-git support for PowerShell 2.0 is deprecated; you have version 2.0.
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https://www.microsoft.com/en-us/download/details.aspx?id=34595
For more information and to discuss this, please visit
https://github.com/dahlbyk/posh-git/issues/163
To suppress this warning, change your profile to include 'Import-Module posh-git -Args $true'.
C:\Users\SUogel\Documents\GitHub> cd LOCAL_LUNAH_REPO
C:\Users\SUogel\Documents\GitHub\LOCAL_LUNAH_REPO> git clone https://github.com/RMDInc/LPHMapEmbedded
Cloning into 'LPHMapEmbedded'...
remote: Counting objects: 44, done.
remote: Compressing objects: 100% (38/38), done.
remote: Total 44 (delta ?), reused 38 (delta 4), pack-reused 0
Unpacking objects: 100% (44/44), done.
Checking connectivity... done.
C:\Users\SUogel\Documents\GitHub\LOCAL_LUNAH_REPO>
```

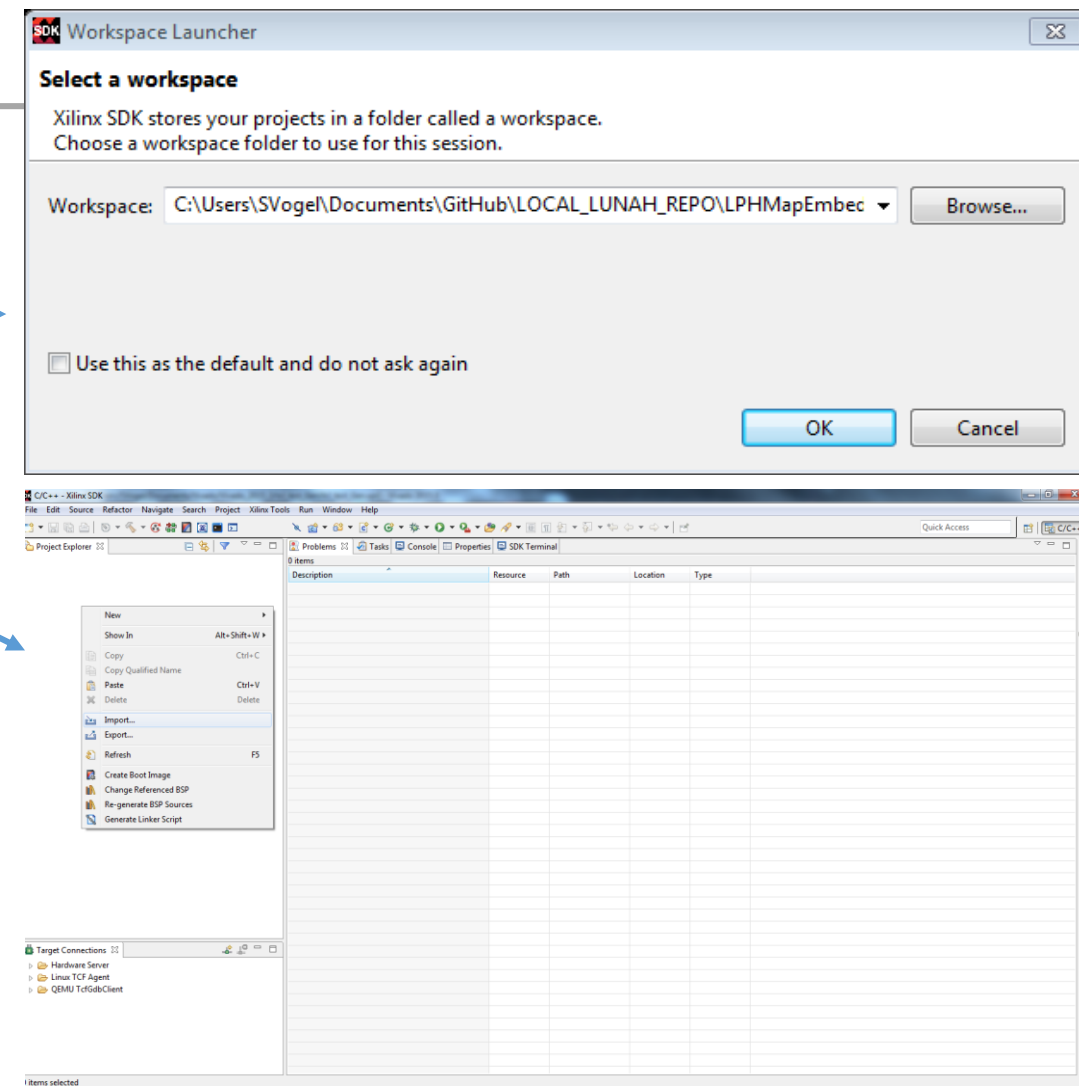
# Set up SDK

1) Launch SDK and for the workspace select the local repository that was downloaded

2) In the top right corner, click File and select import

3) When the dialog window appears expand Git from the selection options and highlight Projects from Git. Click next.

4) Select Existing local repository, and click next.



# Set Up SDK

5) The repository that was cloned, MiniNS\_CDH\_v1.0 should show up in the list

5.5) If it does not, click the 'Add' button and browse for the local repository created in step 1. Ensure that Look for nested repositories is checked and click finish.

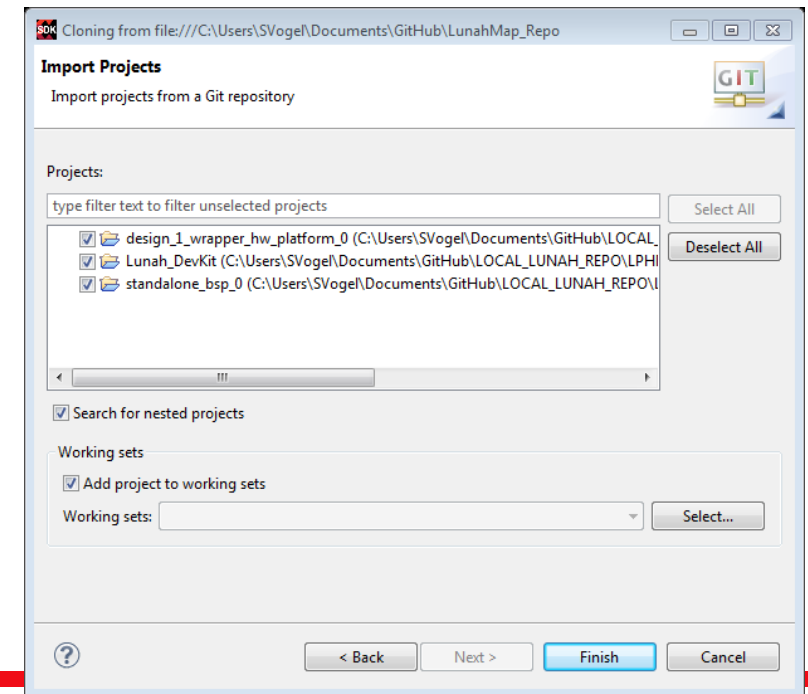
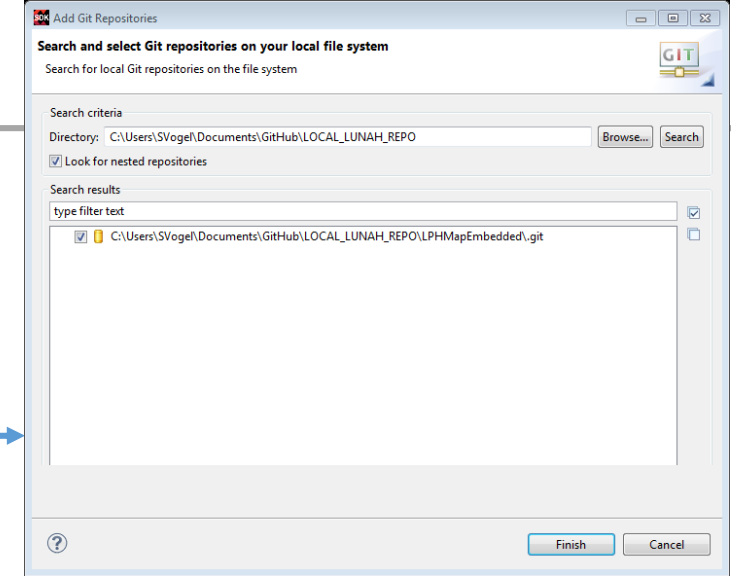
Note\* after checking the box look for nested repositories the selected directory might disappear. This is an SDK software bug. Check and uncheck the repository selection and the selected directory should display again.

6) Select the repository and click next.

'Add'

7) Select import existing Eclipse projects and click next.

8) Ensure all the boxes are checked and click finish.



# Set Up SDK

9) Go to the File menu -> New -> Board Support Package, click Finish

10) Another settings screen will pop up, check the boxes next to lwip140 (version 2.3), xilffs, and xilrsa, then press ok. This will take a moment to compile.

11) Go to the File menu -> New -> Application Project, here enter a Project name. The project that is going to be built is the First Stage Bootloader, we have been using MZ\_FSBL as the name. Once named, click next and select Zynq FSBL from the list of available templates, then click Finish.

12) After SDK is finished building the workspace, all the pieces should be ready to use!

