**DIRECTORY STRUCTURE -TUTORIAL**

1. **Setting up your first ASIP project directory structure**
2. Login to any ***i80labpcXX.ira.uka.de*** directly or using SSH or using X2Go Client. For example login as ***asip04*** into ***i80labpc02.ira.uka.de***
3. Open shell terminal from the start menu. It should be in your default home directory. Tpey “***pwd***”

asip04@i80labpc04:~:$pwd

/home/asip04

1. Create a new directory for your Lab e.g. “***ASIP\_SS17”***

asip04@i80labpc04:~:$mkdir ASIP\_SS17

asip04@i80labpc04:~:$cd ASIP\_SS17/

1. Create a new directory for your lab session in “***ASIP\_SS17”*** e.g. “***Session1”***

asip04@i80labpc04:~/ASIP\_SS17:$mkdir Session1

asip04@i80labpc04:~/ASIP\_SS17:$cd Session1/

1. Create a directory for your ASIP project in “***Session1”***

asip04@i80labpc04:~/ASIP\_SS17/Session1:$mkdir ASIPMeisterProjects

asip04@i80labpc04:~/ASIP\_SS17/Session1:$cd ASIPMeisterProjects/

1. Copy template project and rename it e.g. “***dlx\_basis”***

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$cp -r /home/asip00/ASIPMeisterProjects/TEMPLATE\_PROJECT ./dlx\_basis

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$ls

dlx\_basis

1. Set the parameters and settings of the ASIP project in “***env\_settings***” file.
2. For each application, create a new directory into “***Application***” directory e.g. “***Arith”***

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$cd dlx\_basis/Applications/

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications:$ls

Bootloader TestPrint

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications:$

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications:$mkdir Arith

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications:$cd Arith/

1. Copy your application .c or .s file into “***Arith***” e.g. in this case copy ***“1\_Arith.s”*** into your application directory

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications/Arith:$cp /home/asip00/Session1/1\_Arith.s .

1. Copy the Makefile from any other application to your application

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications/Arith:$cp ../TestPrint/Makefile .

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications/Arith:$ls

1\_Arith.s Makefile

1. For other application, create a new directory into “***Application***” directory e.g. “***LS***”

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications:$mkdir LS

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications:$cd LS/

1. Copy your application .c or .s file into “***LS***” e.g. in this case copy “***2\_LoadStore.s***” into your application directory

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications/LS:$cp /home/asip00/Session1/2\_LoadStore.s .

1. Copy the Makefile from any other application to your application

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications/LS:$cp ../TestPrint/Makefile .

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects/dlx\_basis/Applications/Arith:$ls

2\_LoadStore.s Makefile

1. **Creating new ASIP project in the same session**
2. Create a new directory “***dlx\_bgeu***” for new project under ASIPMeisterProjects.

asip04@i80labpc04:~:$cd ASIP\_SS17/Session1/ASIPMeisterProjects/

asip04@i80labpc04:~/ASIP\_SS17/Session1/ASIPMeisterProjects:$cp -r /home/asip00/ASIPMeisterProjects/TEMPLATE\_PROJECT ./dlx\_bgeu

1. Follow the same steps (7-12) to create different application under this project
2. **Creating new Session e.g. “*Session2*”**
3. Creating new directory for new session under ASIP\_SS17 directory

asip04@i80labpc04:~/ASIP\_SS17:$mkdir Session2

asip04@i80labpc04:~/ASIP\_SS17:$ls

Session1 Session2

asip04@i80labpc04:~/ASIP\_SS17:$

1. Follow the same steps (6-14) to create different application under this project