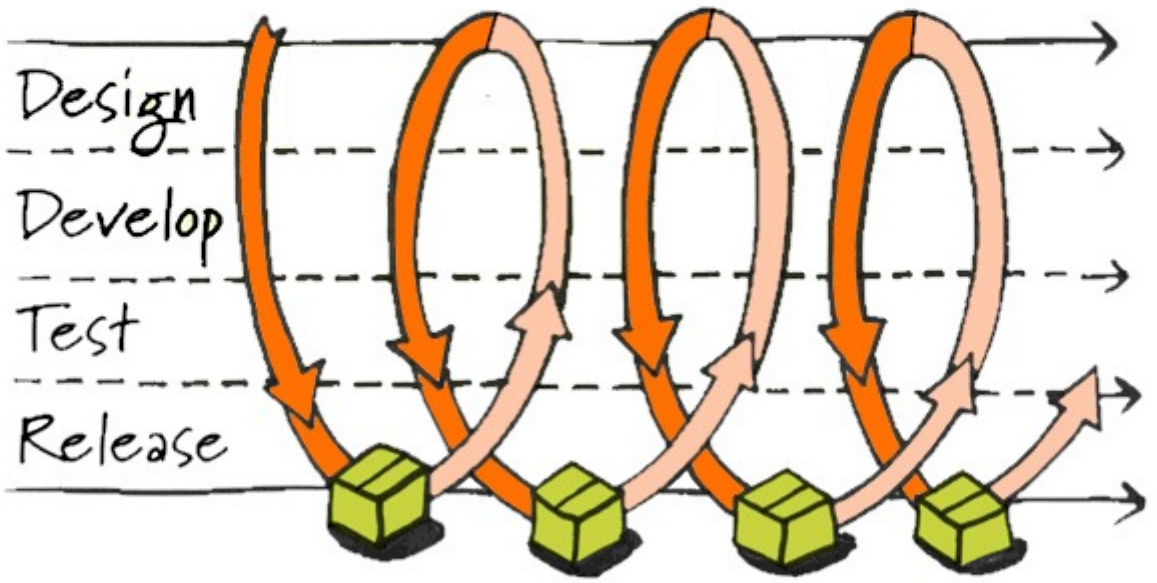
androidFarm

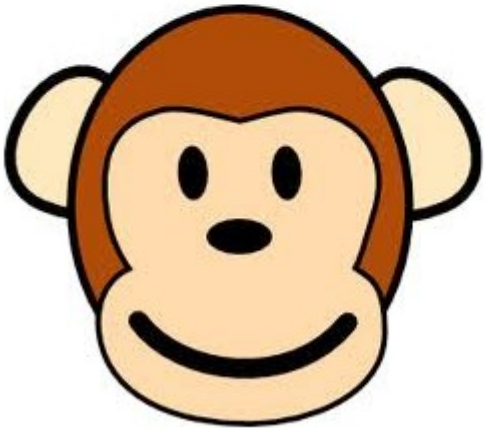
Jenkins

- builds, tests , deploys

Continuous Integration



Android Test Frameworks



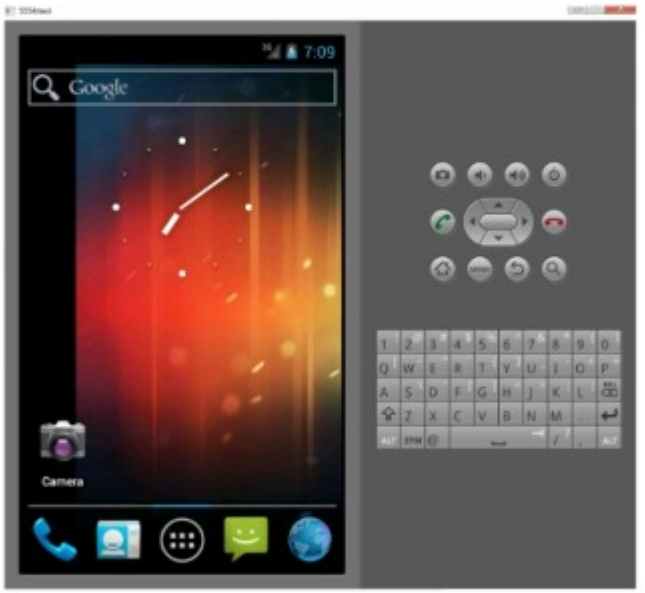
many more...

What does Jenkins already offer?

Android Emulator Plugin

Christopher Orr

The bad thing about emulators



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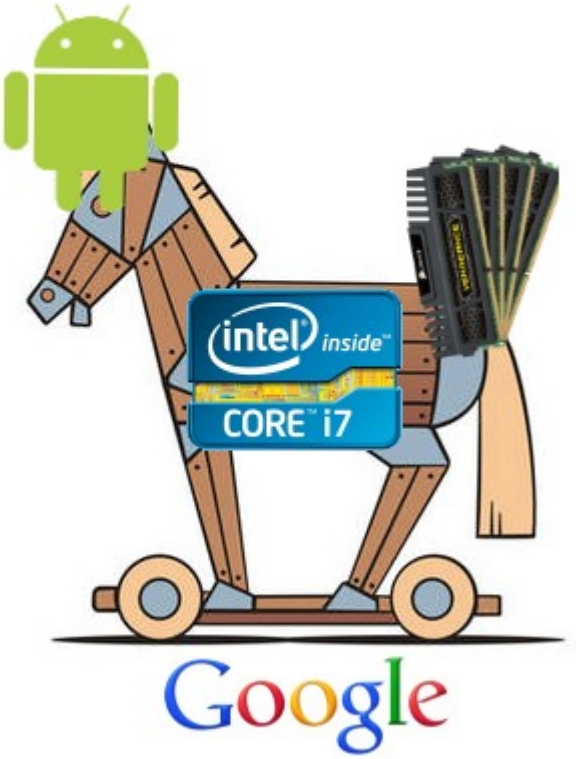
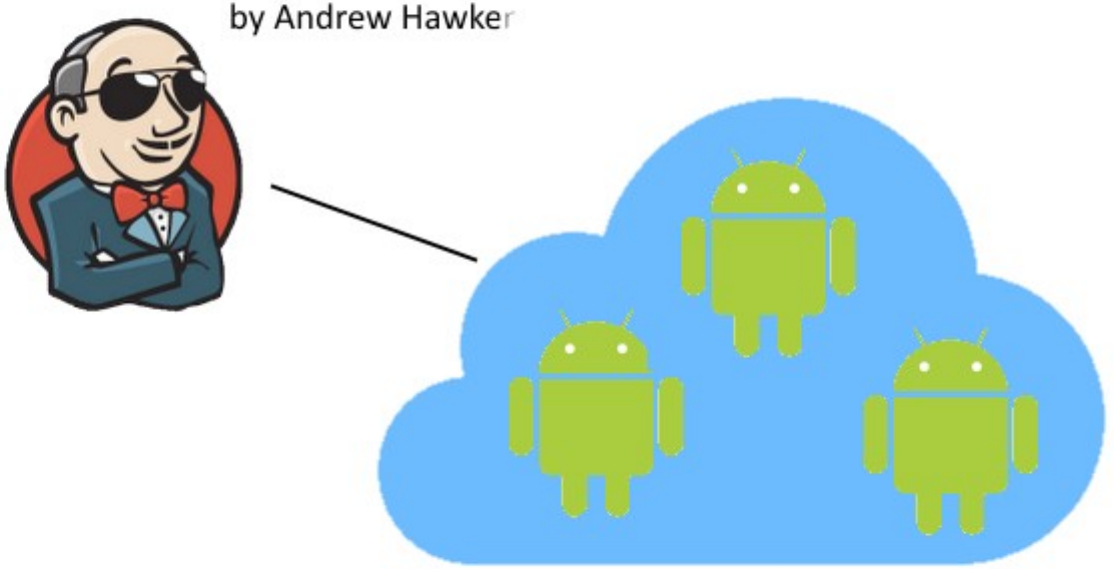


What does Jenkins already offer?

AppThwack Plugin

by Andrew Hawker



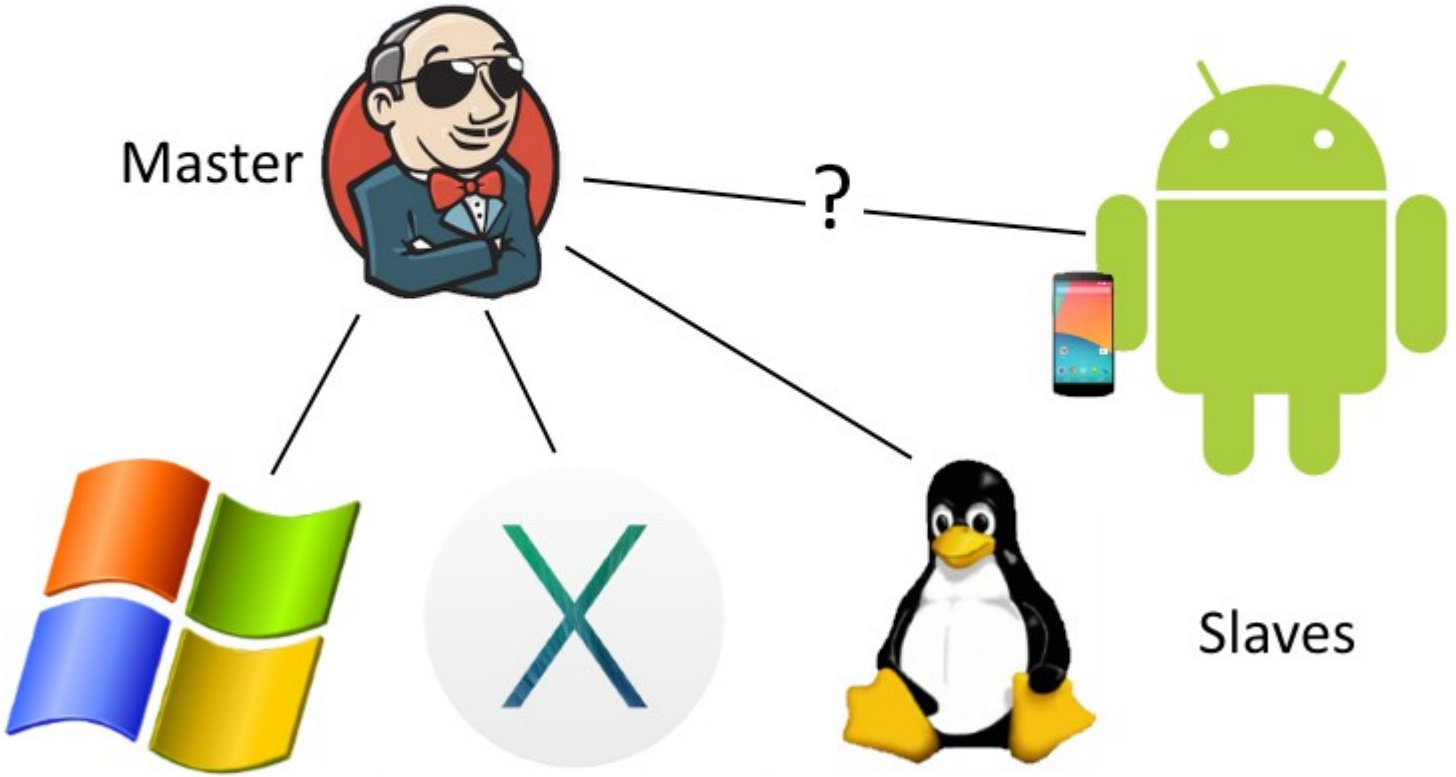
What is Obfuscation?

```
1
2   ######################## No Obfuscation ######################
3
4   private boolean authenticateClient( String secret, String user){
5
6       String hash = hashThisSecret(secret);
7       return checkIfUserIsValid(String hash, String user);
8   }
9
10
11  ###################### With Obfuscation ######################
12
13  private boolean a(String aa, String ab){
14
15      String b = ba(aa);
16      return bb(b, ab);
17  }
```

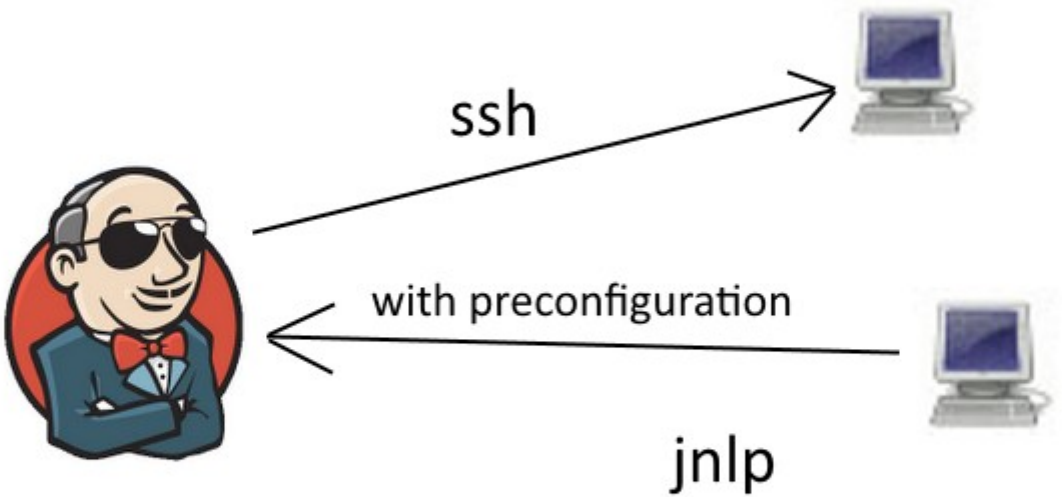
The idea

IF WE COULD USE OUR OWN, ALREADY BOUGHT DEVICES
THAT WOULD BE GREAT

Distributed Builds

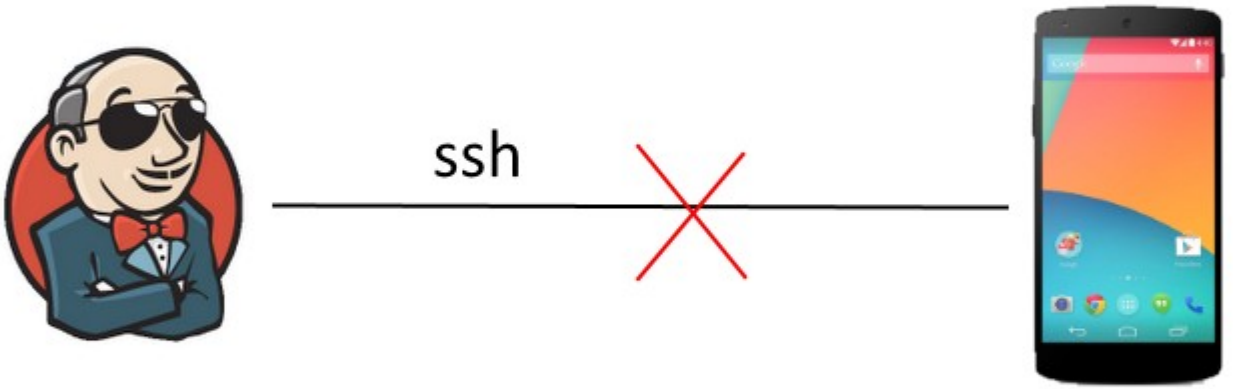


How to connect to a Slave?

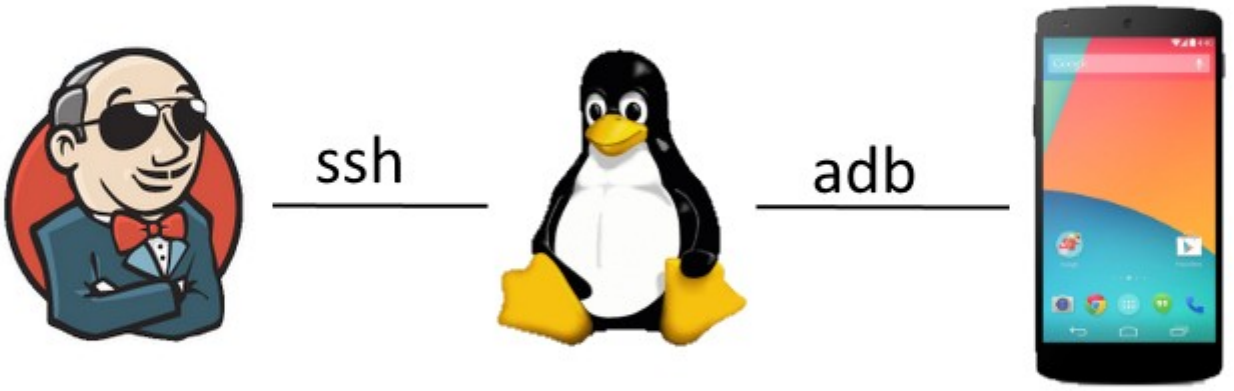


java network launching protocoll

How to connect to an androidSlave?

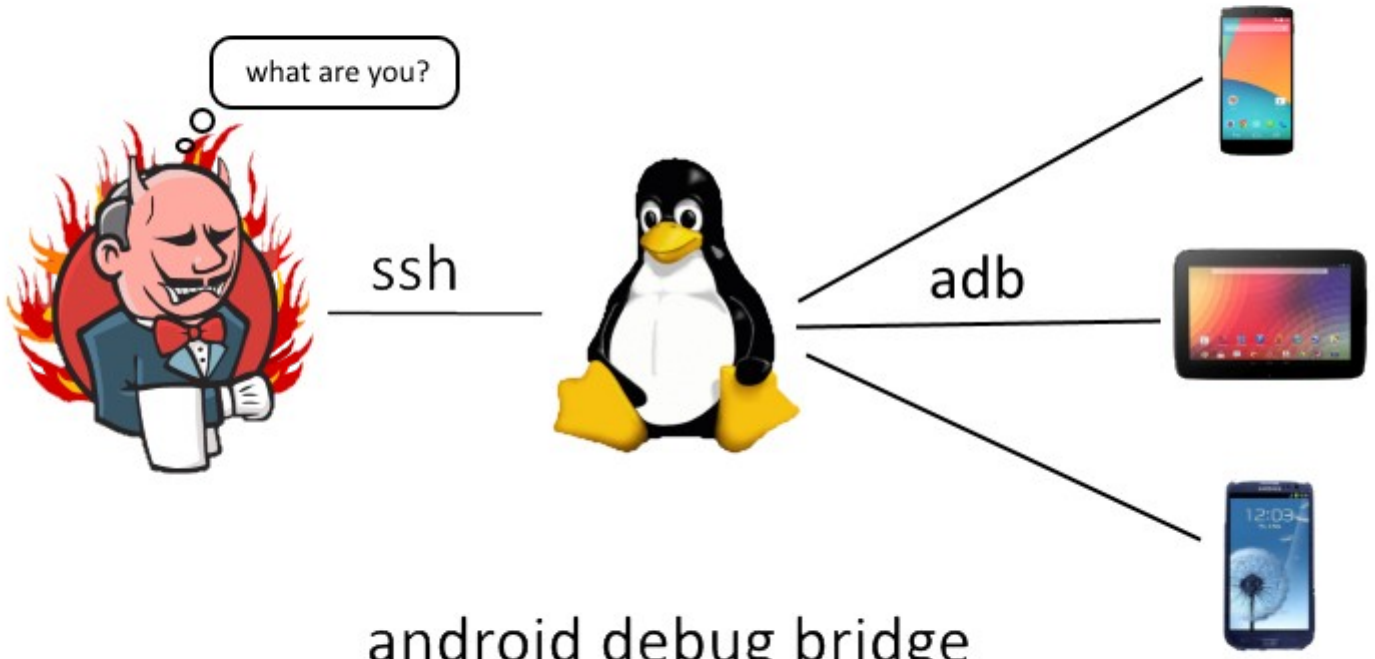


How to connect to an androidSlave?

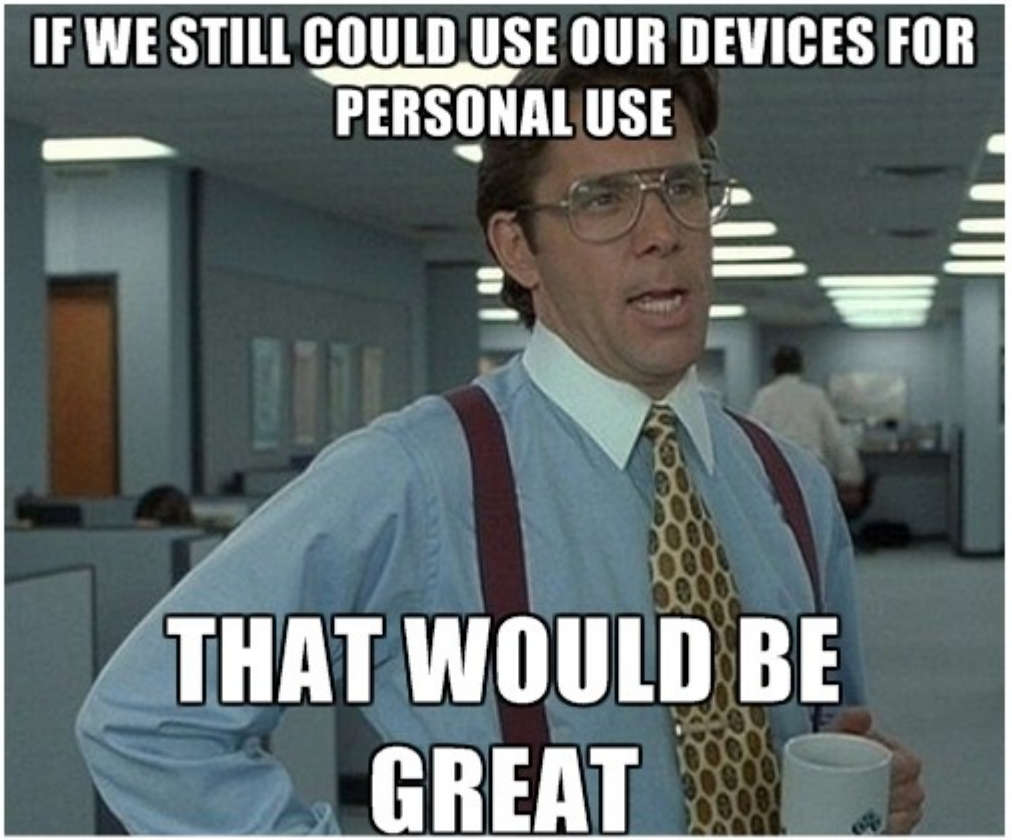


android debug bridge

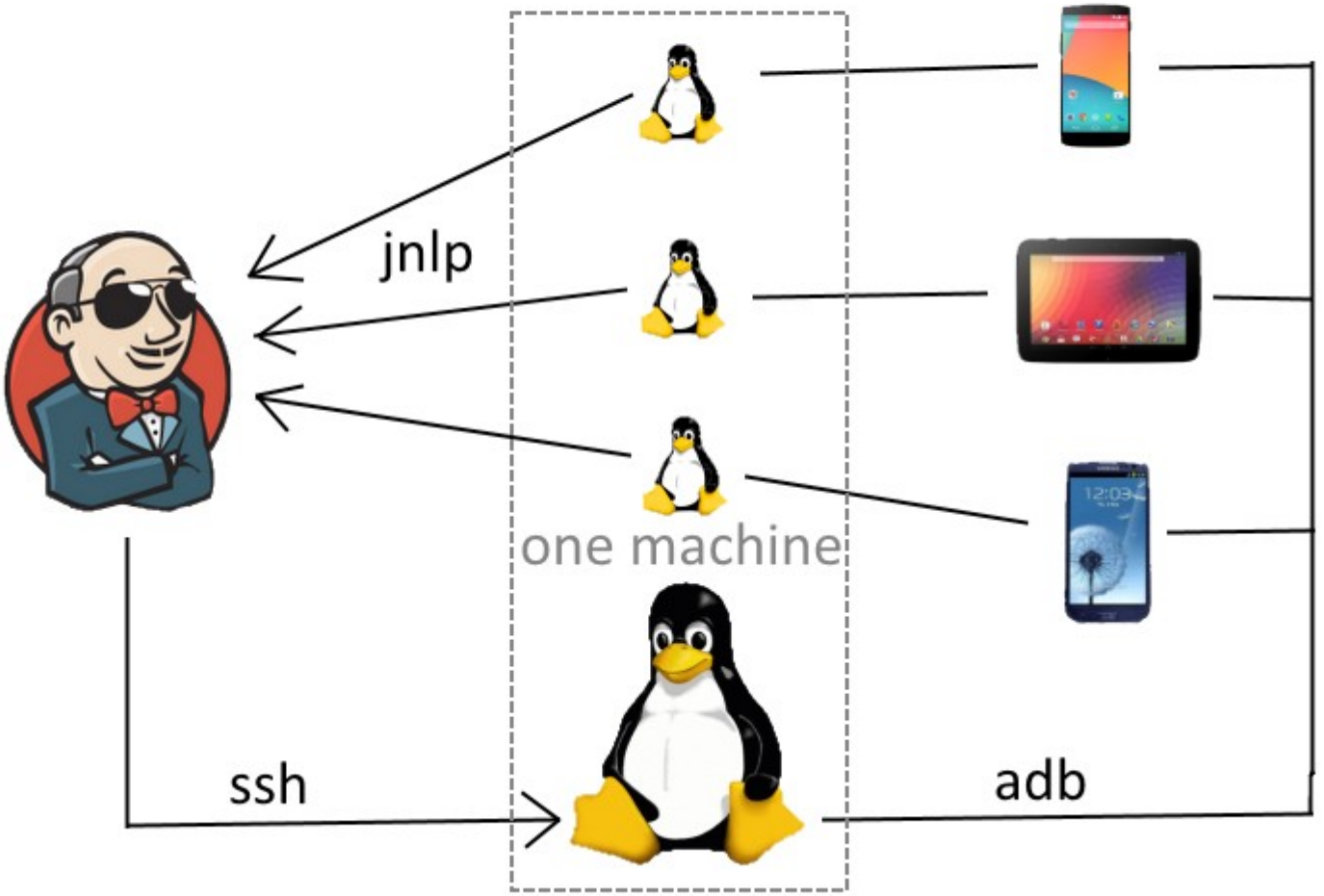
How to connect to an androidSlave?



The problem


IF WE STILL COULD USE OUR DEVICES FOR PERSONAL USE
THAT WOULD BE GREAT

How to connect to an androidSlave?



The difference

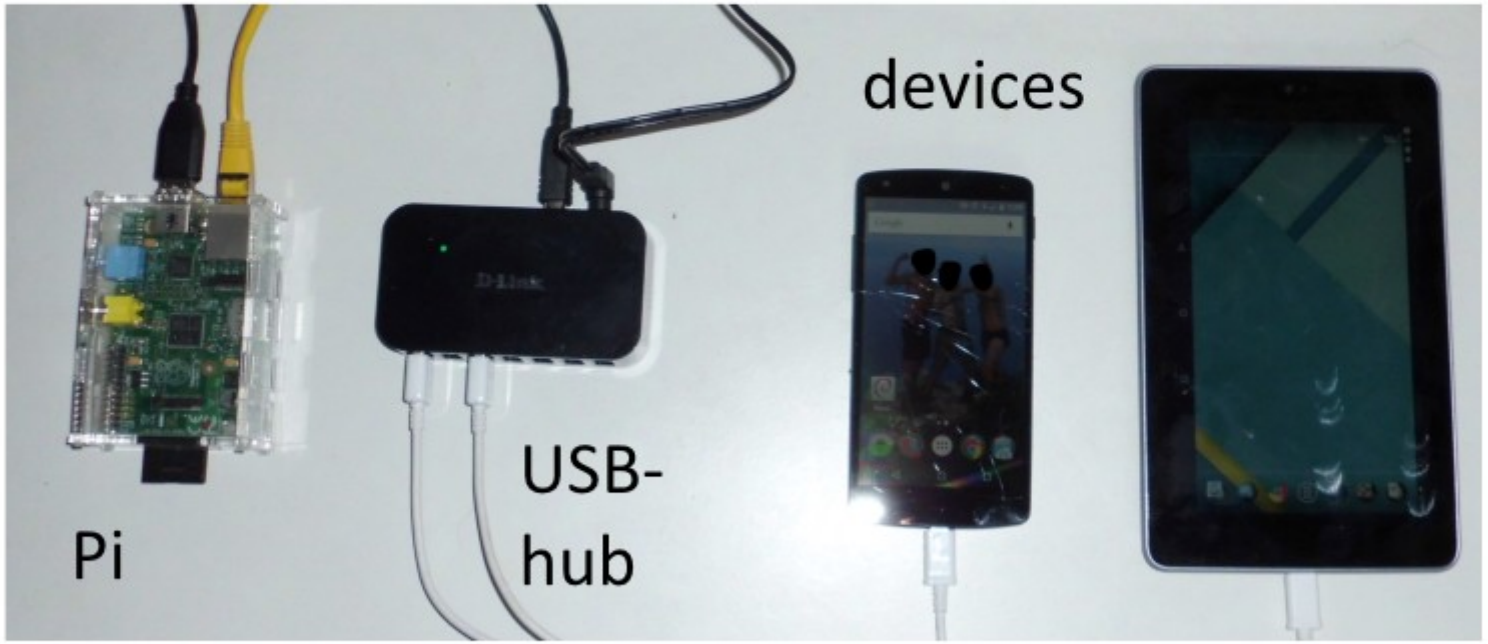
first try

second try

Job example

Jenkins
Jenkins
androidFarm_exampleJobs
goOneStepbackOnAllDevices
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Multi-configuration project
Configure
Project goOneStepbackOnAllDevices
Configurations
androidFarm_Nexus5
androidFarm_Nexus7
1
2
Build History
#4 Jan 25, 2015 5:21:29 PM
3
#3 Jan 25, 2015 5:16:00 PM
#2 Jan 25, 2015 5:14:42 PM
#1 Jan 25, 2015 5:07:00 PM
RSS for all

The hardware setup



Thanks to

- Andres Rudolf
  (crosscompiling the adb for ARM)

- Joshua J. Drake a.k.a jduck
  (android-cluster-toolkit)

- your attention :)