



problem

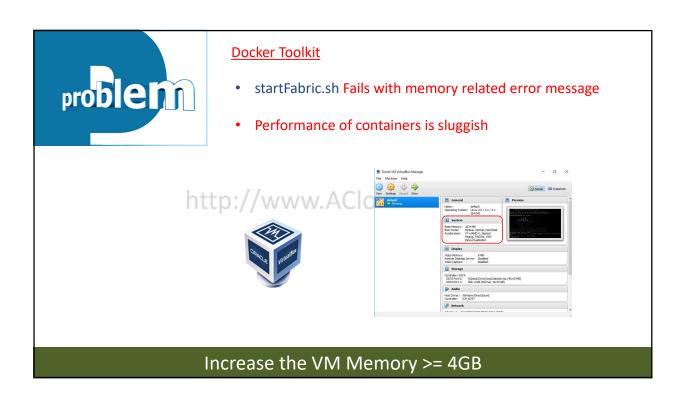
On Cloning you may run into error related to

long paths not supported on windows

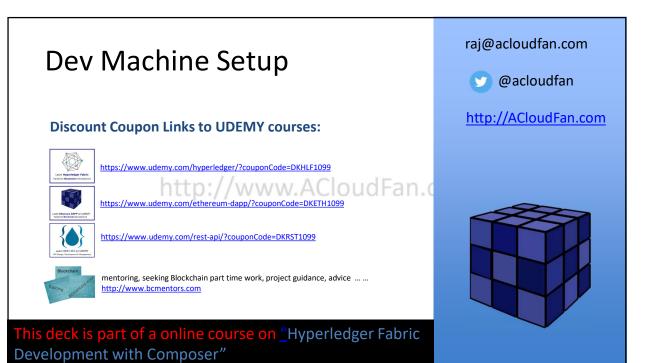


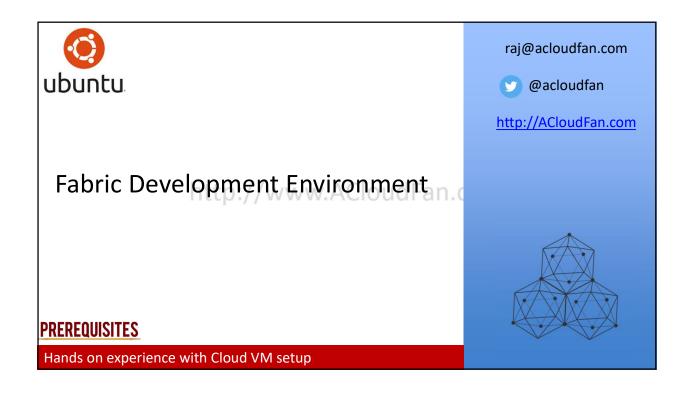












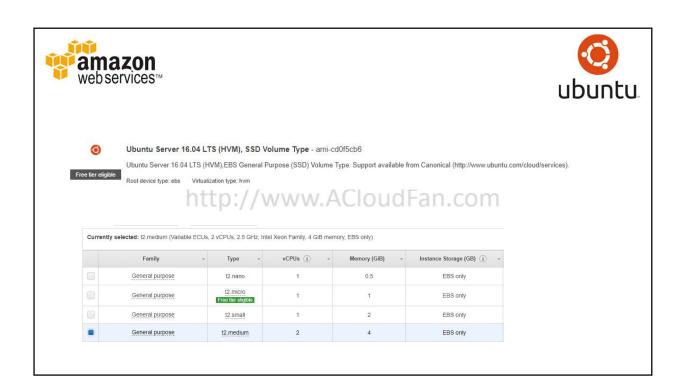


Ubuntu Linux 14.04 / 16.04 LTS (both 64-bit)

https://en.wikipedia.org/wiki/Ubuntu\_version\_history











# http://www.ACloudFan.com

- You may incur charges for the use of VM on cloud
  - Use the cost explorer tools to estimate
- Keep the VM down to control the cost



Set up SSH as per Cloud Providers Instructions



### DO NOT Install using the root identity

http://www.ACloudFan.com \$ sudo adduser USER-NAME

\$ sudo adduser USER-NAME sudo

### Validate

\$ su USER-NAME

\$ whoami



### DO NOT Install using the root identity

http://www.ACloudFan.com
curl -0 https://hyperledger.github.io/composer/prereqs-ubuntu.sh



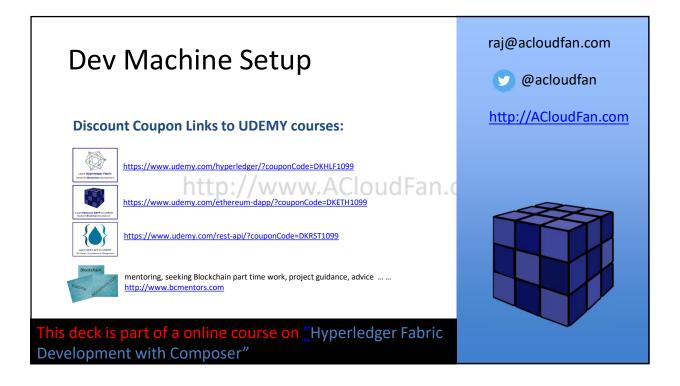


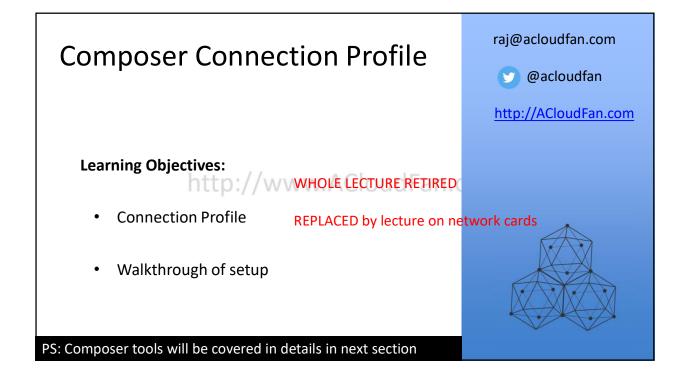


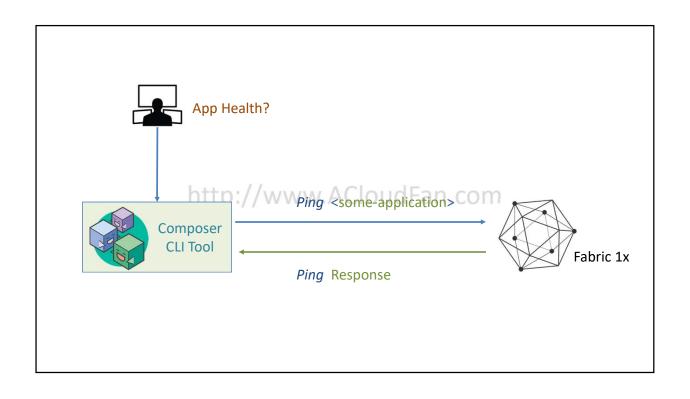
# Composer Runtime Setup @acloudfan http://ACloudFan.com Learning Objectives: http://www.ACloudFan.com • Mac OS • Windows

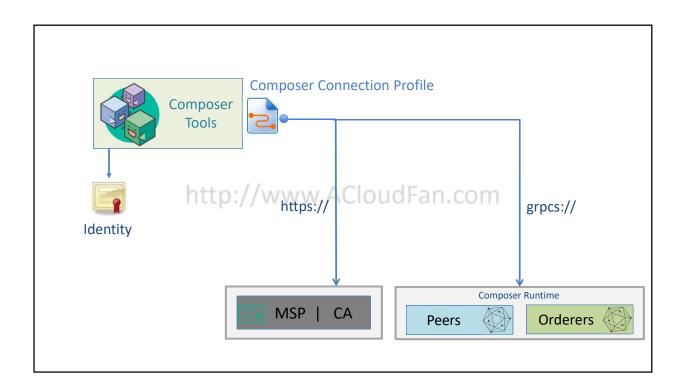
https://docker-curriculum.com/

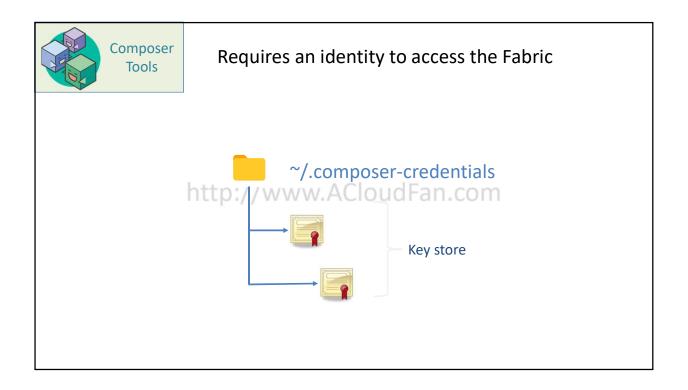
raj@acloudfan.com

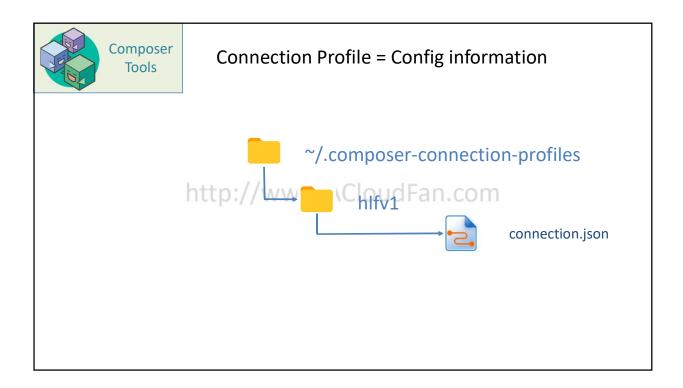


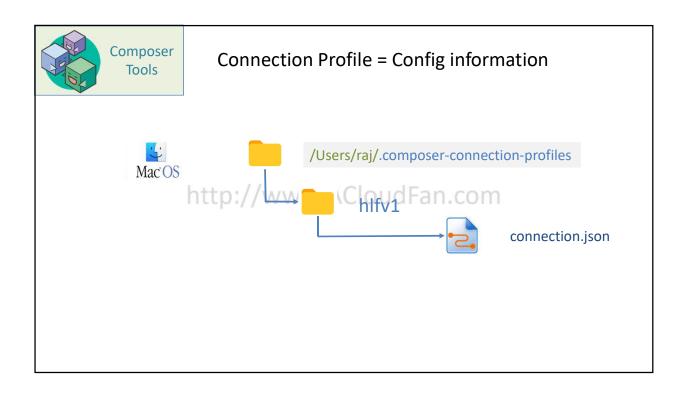


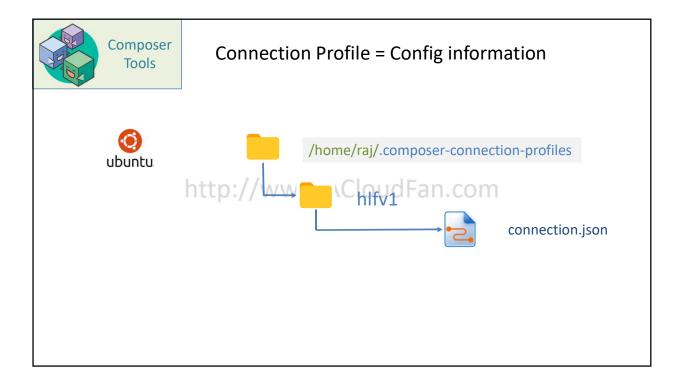


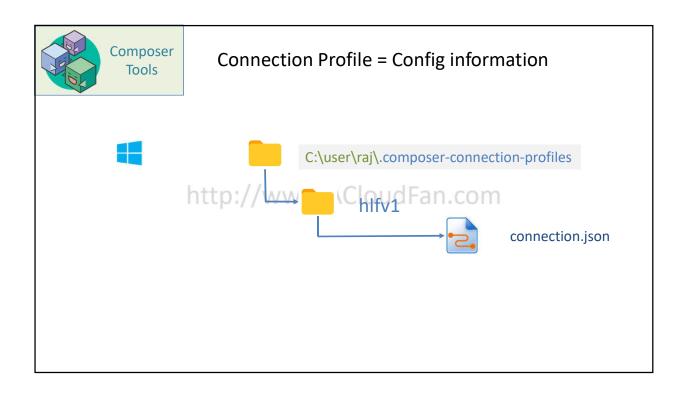


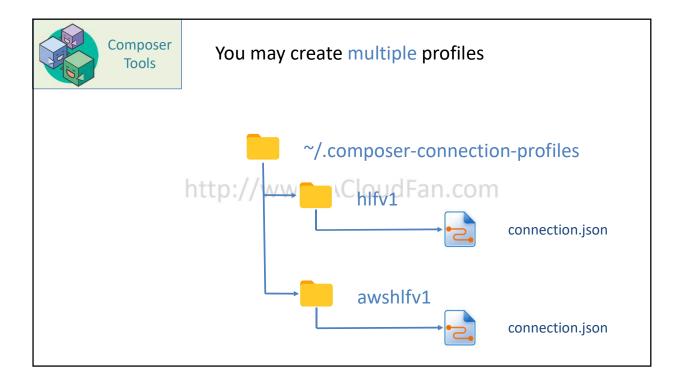


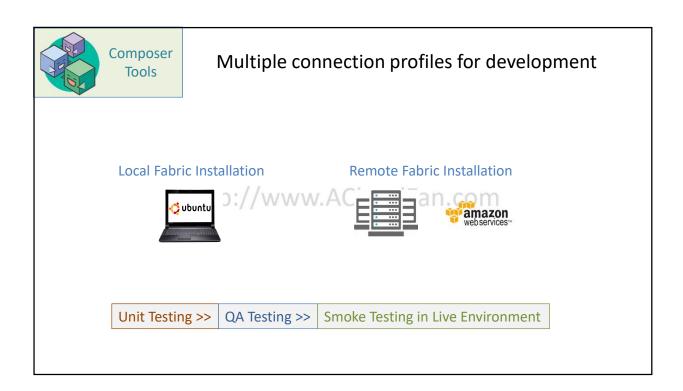






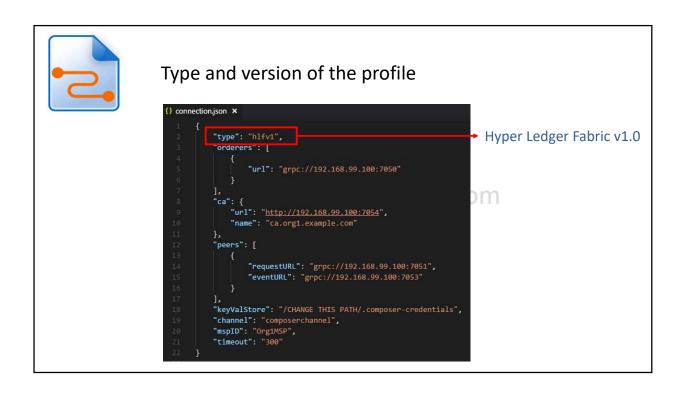


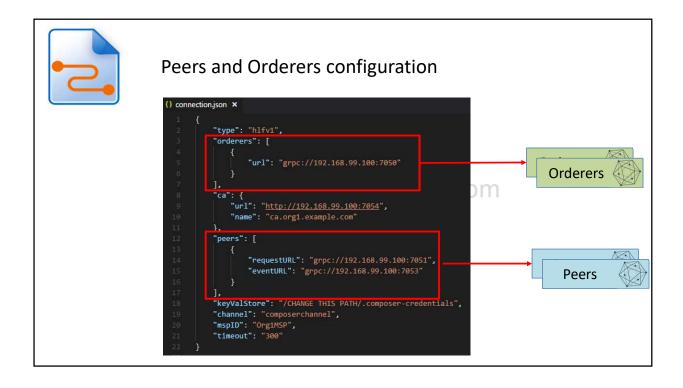




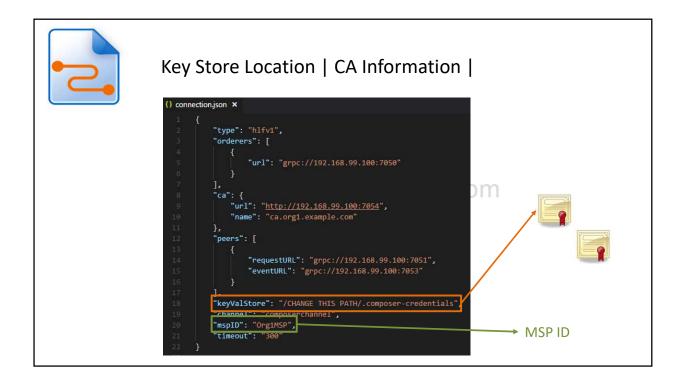


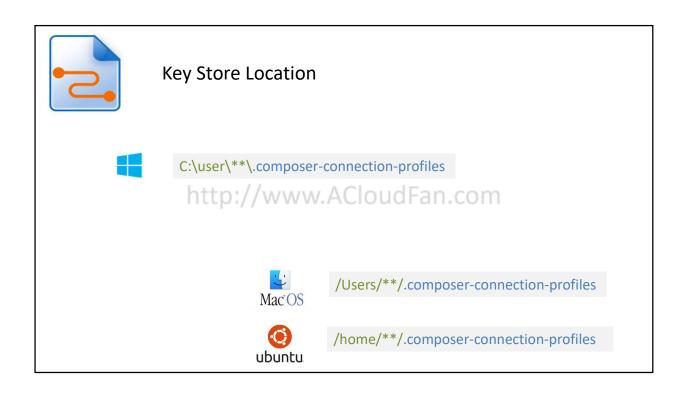
### Simple Connection Profile for Development

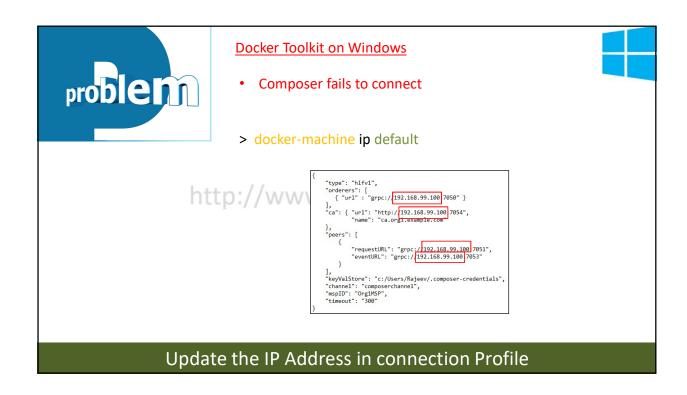


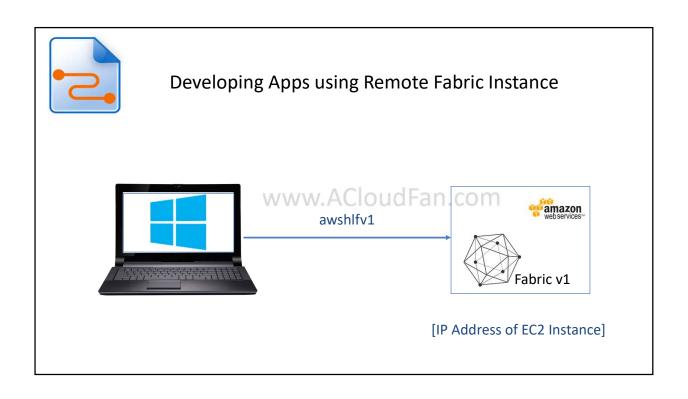


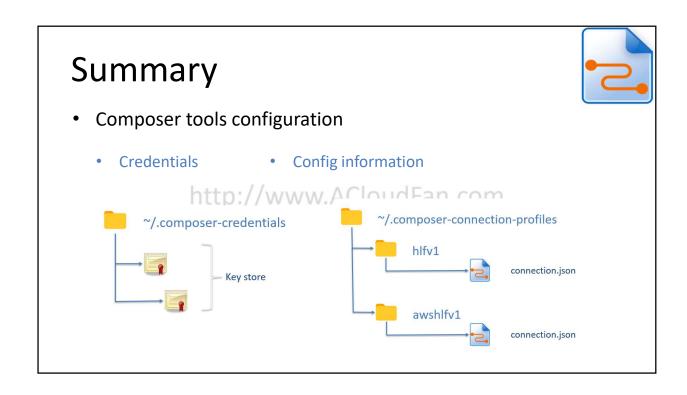












# **Dev Machine Setup**

### **Discount Coupon Links to UDEMY courses:**



https://www.udemy.com/hyperledger/?couponCode=DKHLF109



ps://www.udemy.com/ethereum-dapp/?couponCode=DKETH1099



https://www.udemy.com/rest-api/?couponCode=DKRST1099



mentoring, seeking Blockchain part time work, project guidance, advice ... ... http://www.bcmentors.com

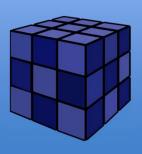
This deck is part of a online course on <u>"Hyperledger Fabric</u> Development with Composer"

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http://ACloudFan.com



# CLI: Deploying a Network App

### **Learning Objectives:**

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- CLI Commands Overview
- Walkthrough of CLI deployment commands

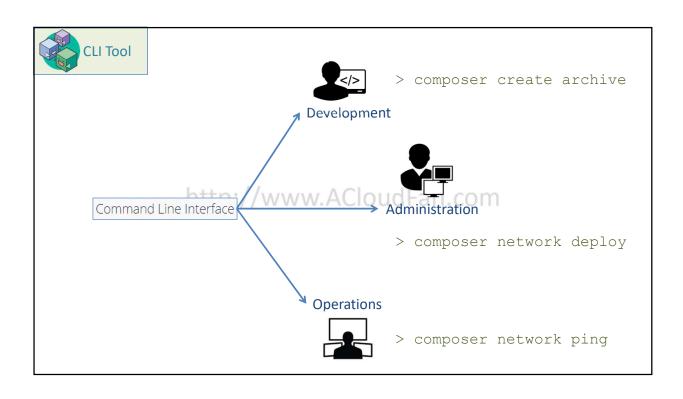
raj@acloudfan.com



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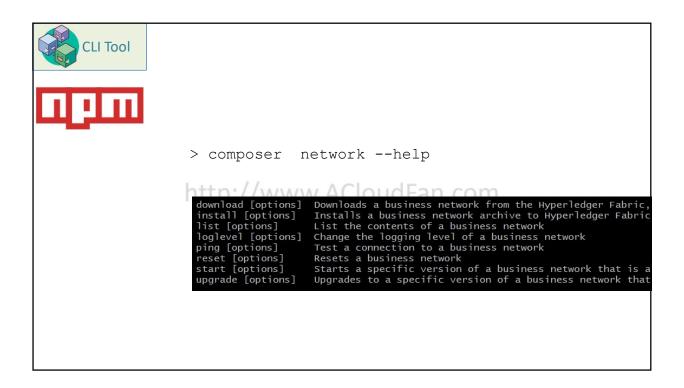
http://ACloudFan.com













Composer command failure due to mismatch of version of runtime environment for the network application and the composer tool:

Error: Error trying to ping. Error: Composer runtime (0.13.2) is not compatible with client (0.14.0)

Hyperledger Composer Runtime Version = 0.13.2

Composer CLI Version = 0.14

### Downgrade the Composer CLI to version of the Runtime

> npm install -g composer-cli@0.13.2

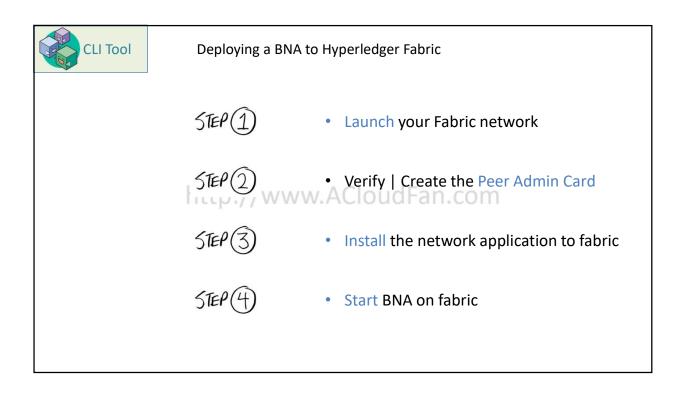


On running the > composer shell command you may run into an error indicating that figlet package is missing!!!

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### Install the figlet npm package

> npm install -g figlet





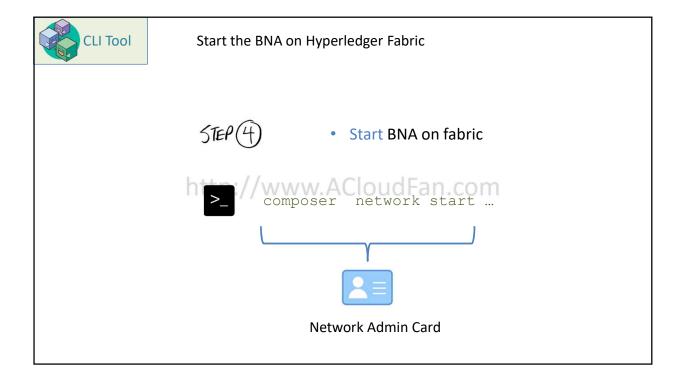
### **Docker Toolkit on Windows**

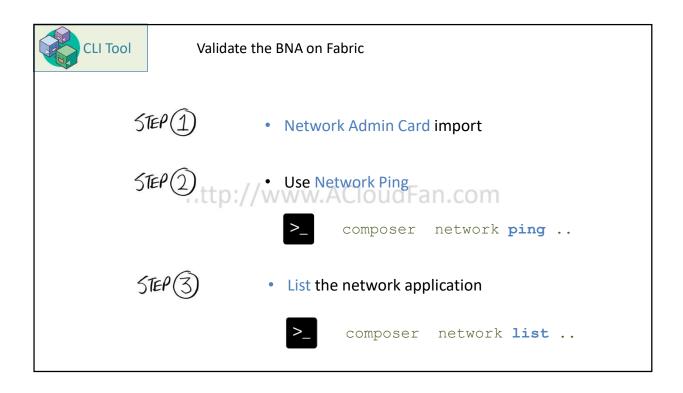


- Composer fails to connect
- > docker-machine ip default

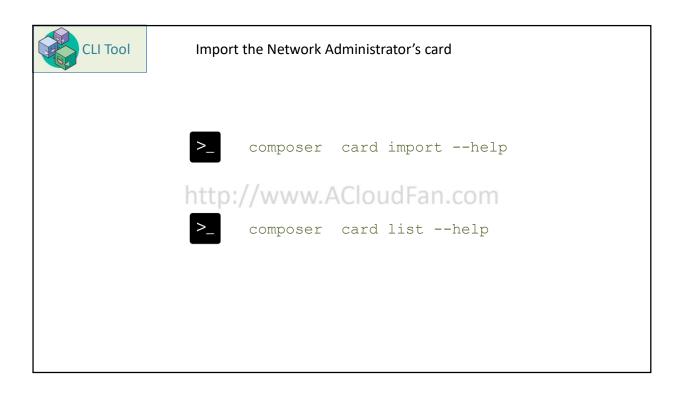
### c:\Users\USER-NAME\.composer\cards\PeerAdmin@hlfv1\connection.json

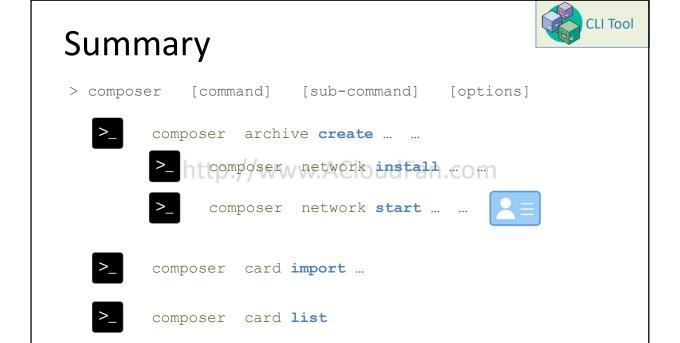


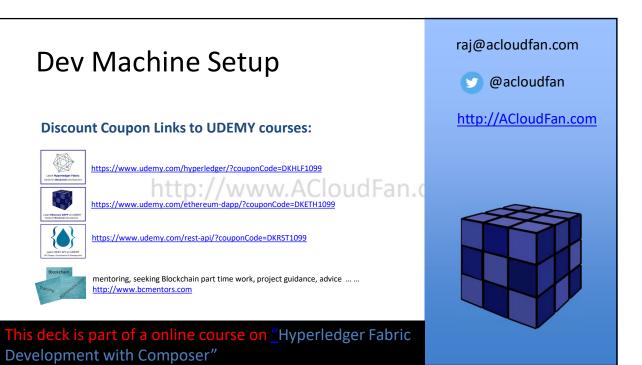




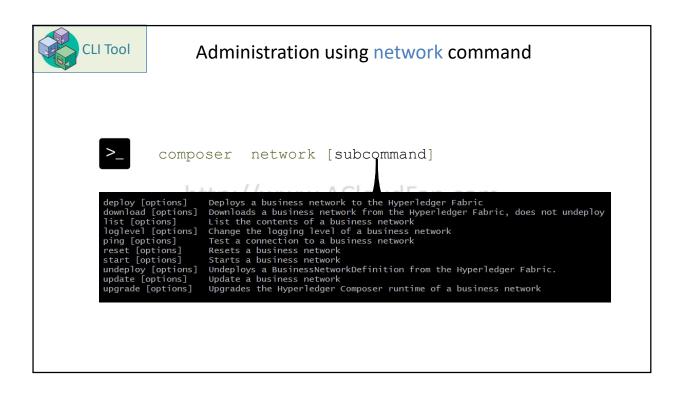


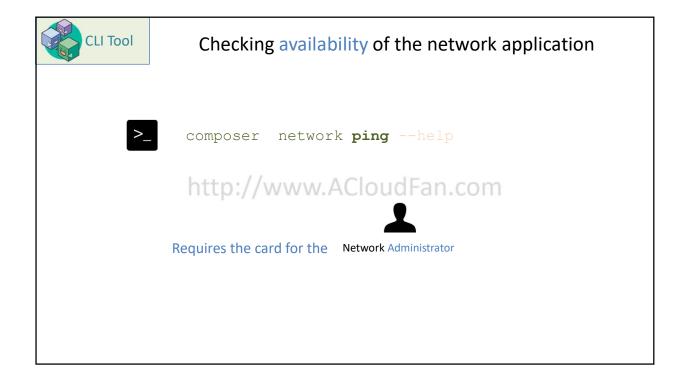






# 







### Getting details of the network application



composer network list --help

## http://www.ACloudFan.com

• Dumps the details of all Registries from Composer Runtime



Requires the card for the Network Administrator

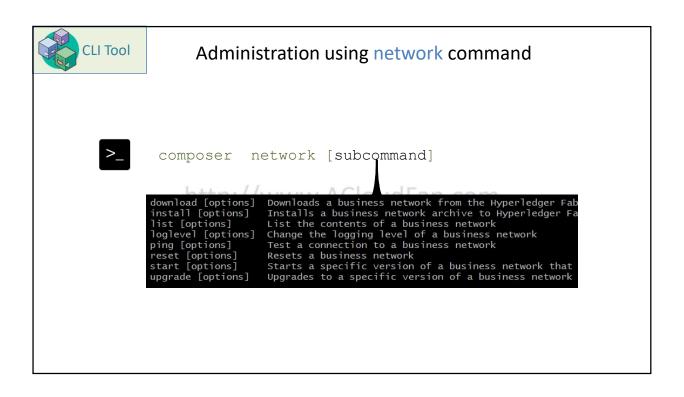


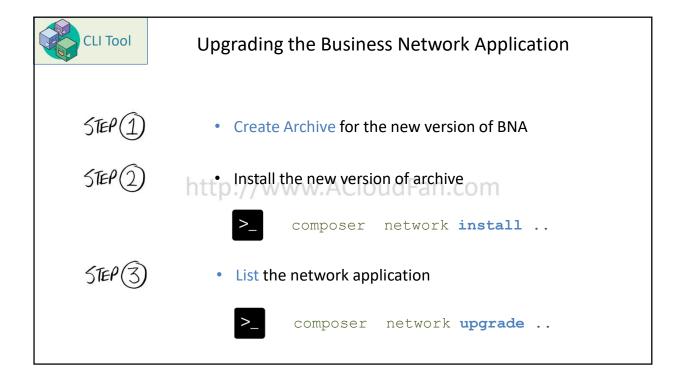
### Import the network Card for Network Admin

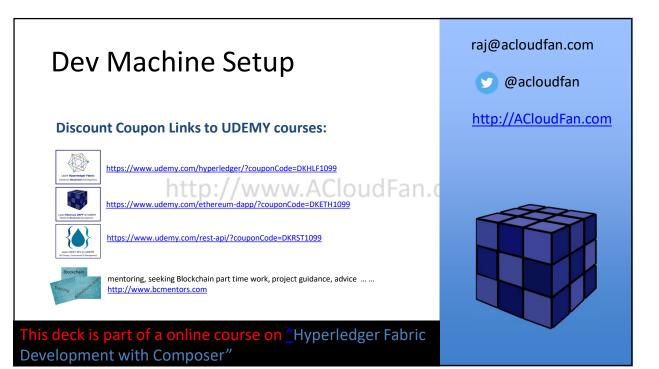


composer card import --help

Left as an exercise for you to do ©







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