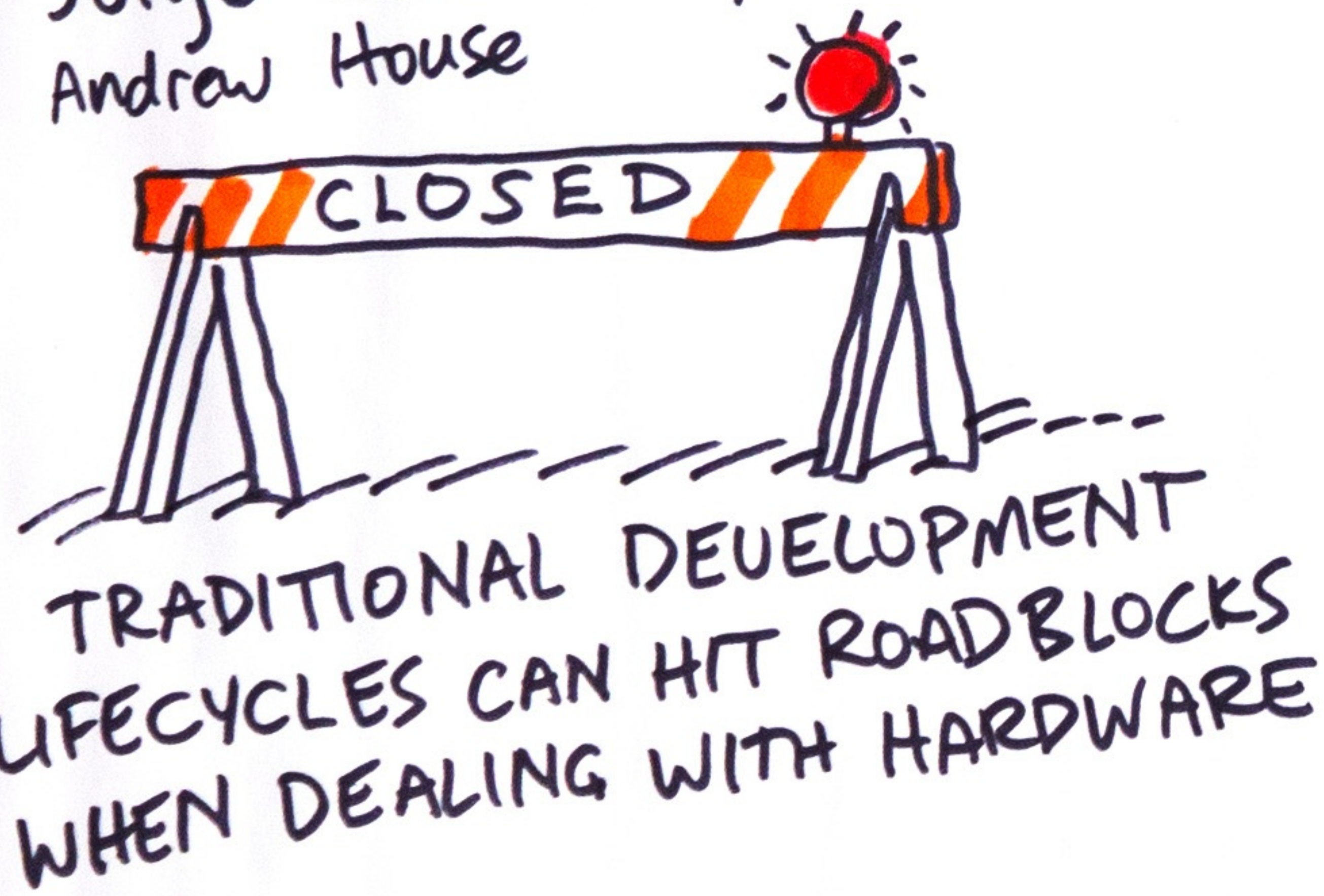


KEYNOTE PANEL

VIRTUALIZATION: UNLOCKING SOFTWARE MODULARITY OF EMBEDDED SYSTEMS

Jorge Ramirez, Nabor Felix Cortez,
Andrew House



Standard Interfaces will reduce IP-related roadblocks.



Is your dev environment the same as your deployed environment?

Did you account for each HW/sw layer in your system?

MODELS CAN GENERATE CODE TO BECOME A SOURCE OF TRUTH



LVC - LIVE VIRTUAL CONSTRUCT
SIM → REAL



SOFTWARE DEFINED HARDWARE:
+ INTEGRATION + INTEROPERABILITY



PROVIDES A WAY TO CREATE INTERFACES AND USE CONTAINERIZE SOFTWARE TO PROTECT INTELLECTUAL PROPERTY

VIRTUALIZATION ALLOWS PARTITIONING



FUNCTIONS

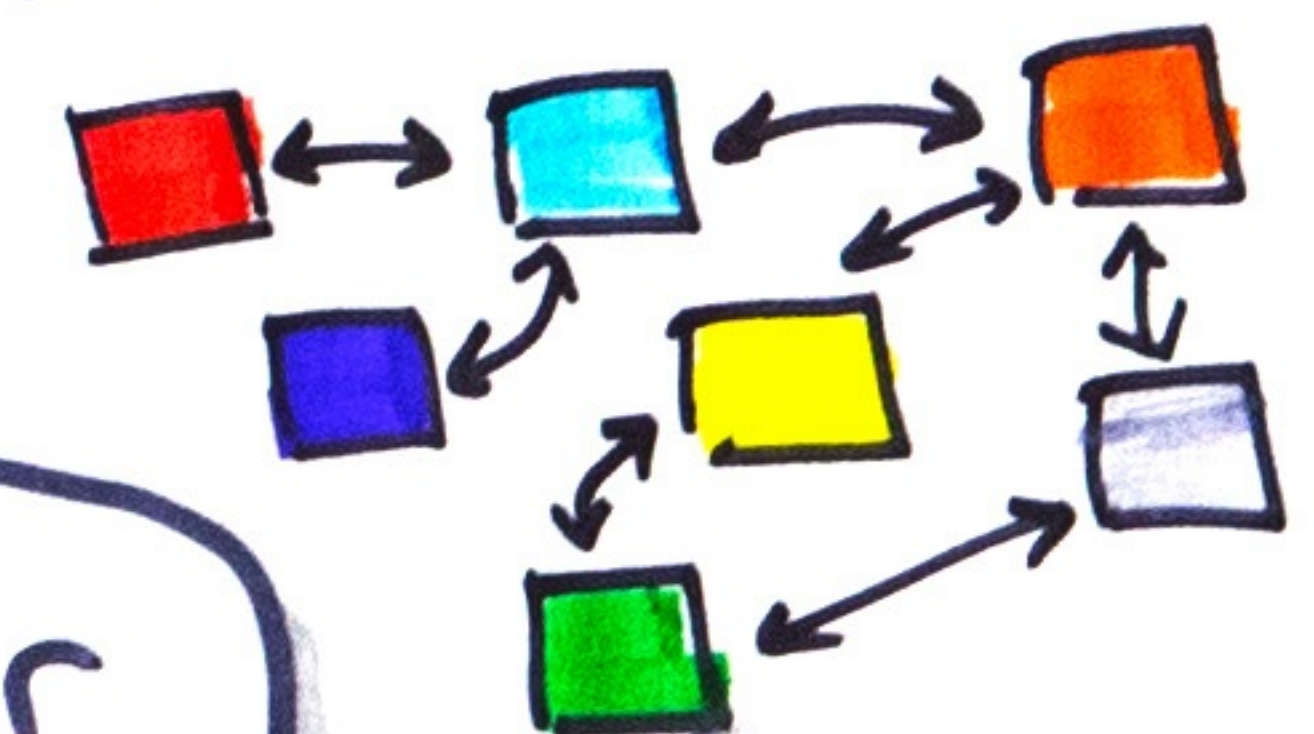
ALLOWS TO WORK INDEPENDENTLY

SYSTEM DESIGN AGENTS

- DEVELOP GOVT.-OWNED TECH DATA PACKAGE
- BEST OF BREED SOLUTION
- COMBINES VARIOUS VENDORS

OPEN WEAPON PLATFORM

ALLOWS FOR HOT SWAPPABLE HW



OSI

- APP LAYER
- PRESENTATION LAYER
- SESSION LAYER
- TRANSPORT NETWORK
- DATA LINK
- PHYSICAL