KEYNOTE PANEL

VIRTUALIZATION: UNLOCKING SOFTWARE MODULARITY OF EMBEDDED SYSTEMS

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Traditional development lifecycles can hit roadblocks when dealing with hardware.

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.

VIRTUALIZATION allows partitioning OS SW components, functions allows to work independently.

LVC - Live Virtual Construct
SIM -> REAL

Digital Twin

Software Defined Hardware: + Integration + Interoperability

Golden Horde Colosseum

Provides a way to create interfaces and use containerize software to protect intellectual property.

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 LAYER
NETWORK LAYER
DATA LINK LAYER
PHYSICAL