



Interoperability Challenges With First Responder Communications

Discover the power of Software Defined Interoperability with GuardStack

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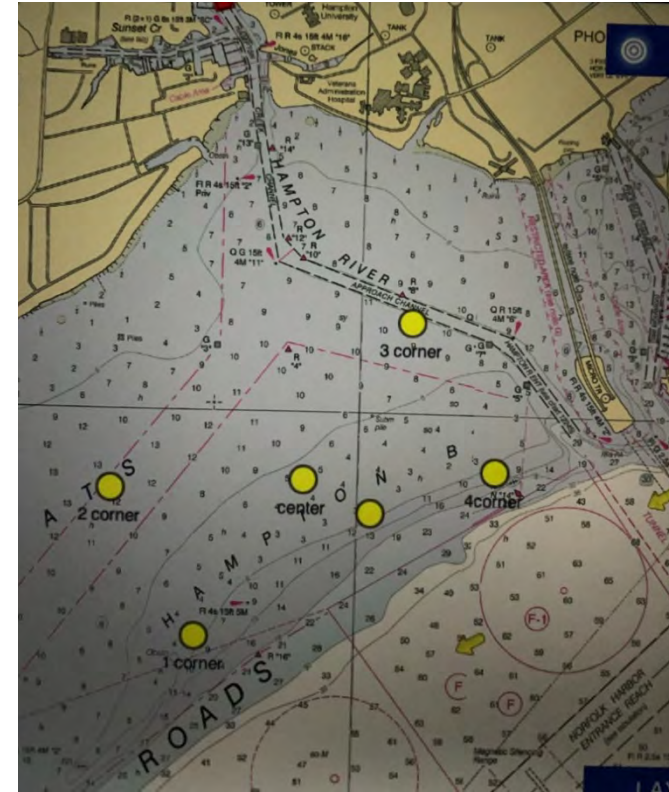
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Transforming Their Technology into Your Solutions

Agenda

1. Introduction
2. Interoperability challenges
3. What if I Said You Can Have
4. Takeaways from First Responders
5. Q&A slide with IMPRES Contact Info

SAR Exercise Virginia Feb 2020



- 1 RIDUX system on drone
- 1 RIDUX system on helicopter
- RIDUX systems on the move
- Full LTE functionality within the cell
- Voice transmitting via legacy radio bridging
- Linking PTT with radio systems



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US ARMY

Former SGT / CPT

IMPRES Technology Solutions

Chief Technology Officer

DELL Computer Corporation

Director, Enterprise Technologist

Microsoft Corporation

Lead Program Manager and Consultant

IBM Corporation

Senior Systems Engineer

United Airlines

Senior Network Engineer



Challenges At The Public Safety Edge

- Lack of Interoperability
- Limited Bandwidth
- Complexity Networks / Operation
- Dynamic Environments
- Cyber Attacks
- Deployment Times
- Secure Data Exchange



Not to Mention....

- Public Safety 911
- TDM – IP
- TSAPs to be Converted
- Legacy Interfaces
- FirstNet
- Running on DoD

The Answer is

GUARD STACK



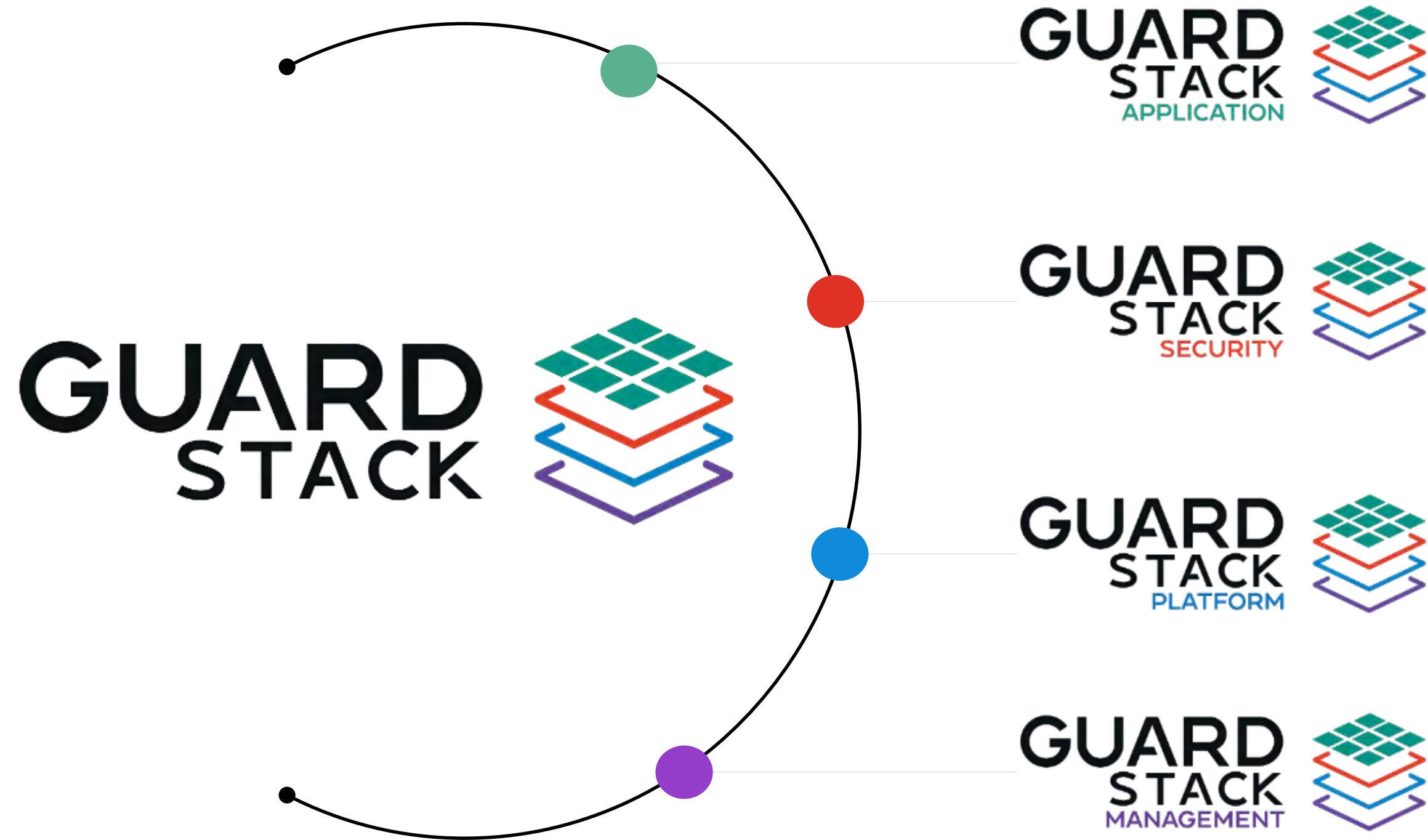
What If You Could Have?

- Interoperability Backbone & Access
- Decentralized Service Architecture
- Multiple Security Domains
- LTE/5G Ready Network
- VoIP PBX Telephony
- Government Trusted Code Base
- SDN / MANET
- MeshFlow
- Open Application Architecture
- Embedded Applications
- Reduced Size, Weight, Power, Cost

4G (LTE) / 5G Custom Mobile Broadband Solutions

- Grab-n-Go Network Access
- Tele-Medicine
- Humanitarian Assistance
- Search and Rescue Operations
- Tactical Operations Centers
- FirstNet Integration
- Comms-on-the-Move (COTM)
- In-Flight Helicopter Network Access
- Classified Networks Backhaul (NIPR, SIPR and Coalition)
- LMR Integration

The Stacks



What Are First Responders Saying?

Fire Department Portsmouth, VA – “If we had this on our vehicles we could know where every firefighter is at all times in a Fire and direct them appropriately”!

Police Department Chantilly – “Could we really add this to our current police gear and reduce the amount of gear we have to wear?”

Ambulance Crew – Baltimore, MD – “This would allow us to show video of what we are seeing and allow us to share information with Police, Fire, Doctors all while we are on site without putting ourselves or our patients at risk.”



QUESTIONS?

Let's Start a Conversation

Email: GuardStack@imprestechtechnology.com

Website: www.imprestechtechnology.com/GuardStack/