



Will FACE Create Portable Applications?

... a coffee chat with RTI ...

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Corporate Overview

Largest software framework provider for smart machines and real-world systems

- 1,500+ commercial designs
- 600+ research projects
- Dominant DDS market share
- ~\$40M+ annual revenue with ARR growth of 25%+
- HQs in Silicon Valley and Spain with worldwide offices

Leader in Connectivity Standards

- Active in 15+ standards efforts across multiple industries
- Authors of the Data Distribution Service (DDS) standard
- Object Management Group (OMG) Board of Directors
- CEO is Vice Chair of Industrial Internet Consortium (IIC) Steering Committee



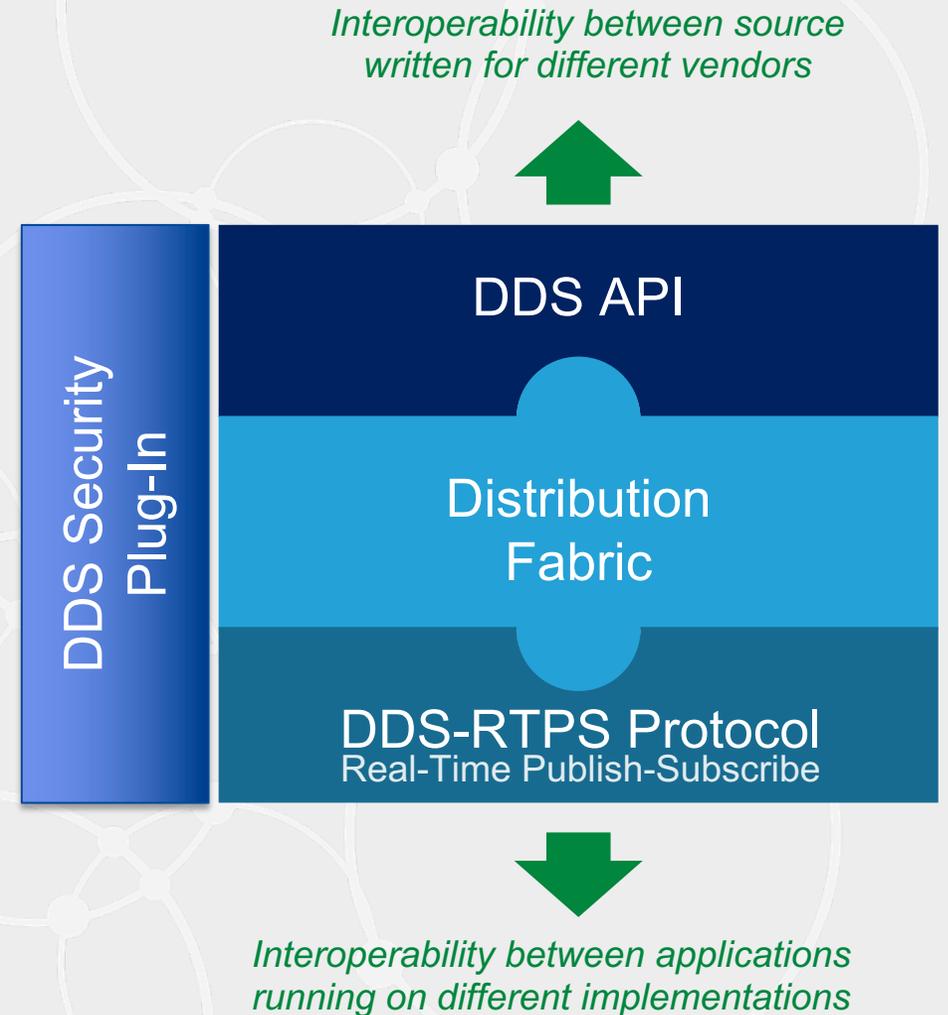
RTI Commitment to Global Standards

- First to market DDS Secure Security Standard
- First COTS offering for RTCA DO-178C DAL A certification evidence
- First certified conformant FACE Transport Services Segment (TSS)



DDS: Open Cross-Industry Standard

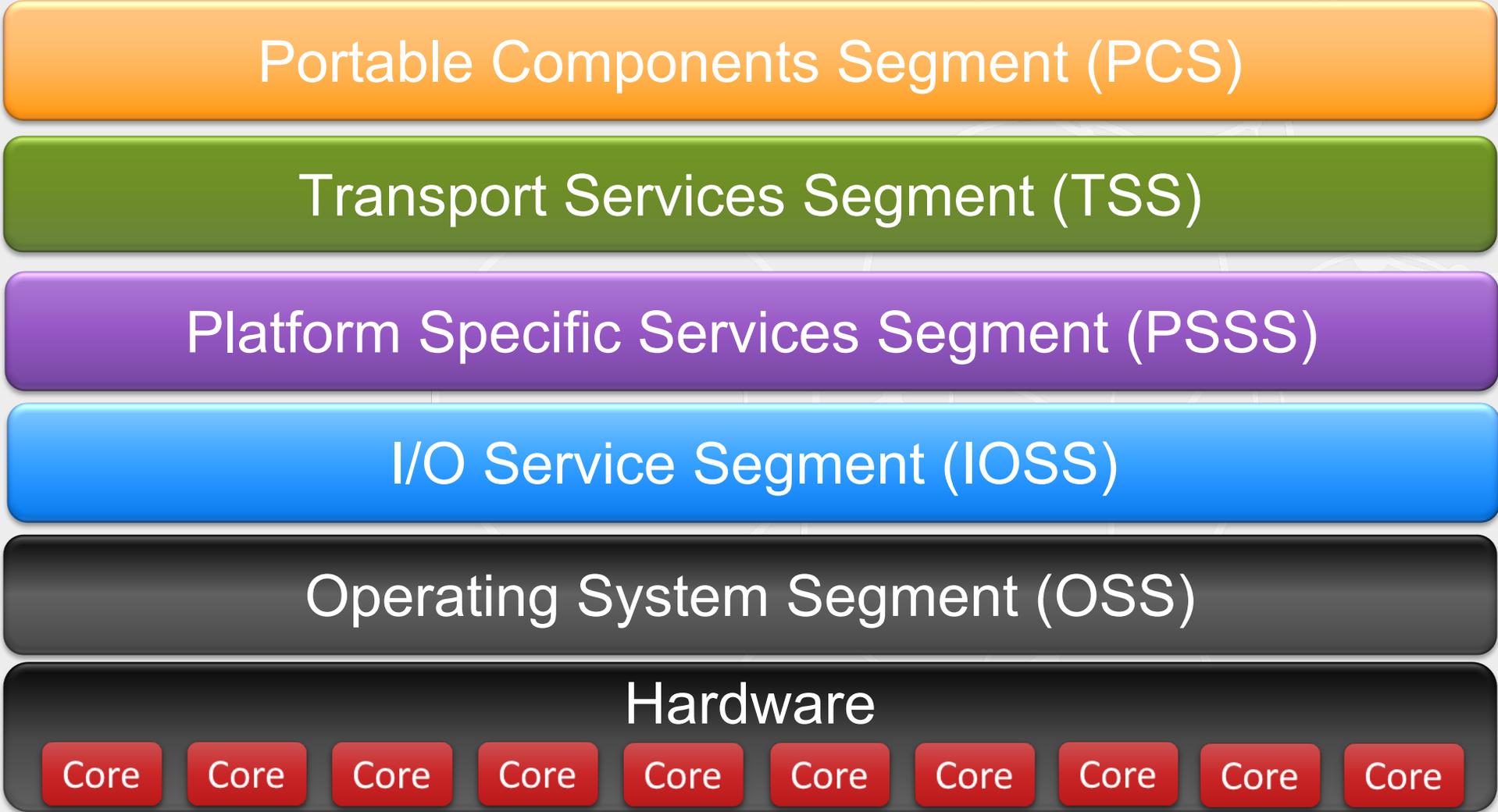
- Data Distribution Service (DDS) is an open industry standard for data-centric connectivity
- From OMG, the world's largest systems software standards organization
 - UML, SysML, XMI, CORBA, DDS
 - Industrial Internet Consortium (IIC)
- DDS is open and multi-vendor
 - Open Standard and Open Source
 - 12+ implementations



Data Distribution Service (DDS)

- Peer-to-Peer, Data-Centric, Publish-Subscribe
- Loosely-Coupled, Discovery
- Real-Time Quality of Service (QoS)
- Inherently Parallel, Enables Massive Scalability
- Standards-Based Security

FACE Solution Stack

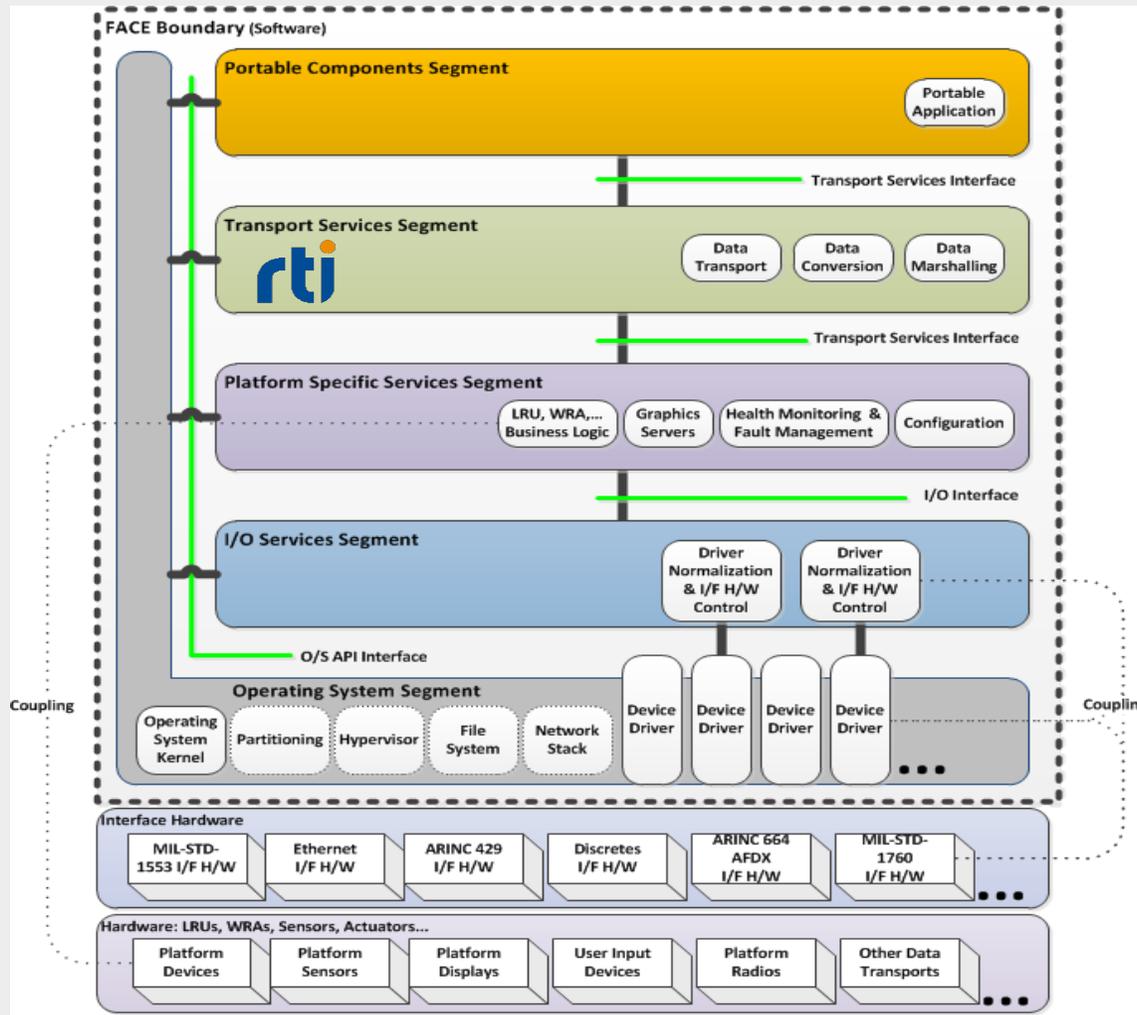


RTI FACE Commitment

- Over 10 years of FACE Consortium participation
 - TWG TSS
 - TWG Data Model
 - BWG Outreach
- First Certified Conformant FACE 2.1 Transport Service Segment (TSS) 7 Dec 2018
- FACE 3.x TSS
 - FACE Certification Q4 2020



FACE Architectural Segments

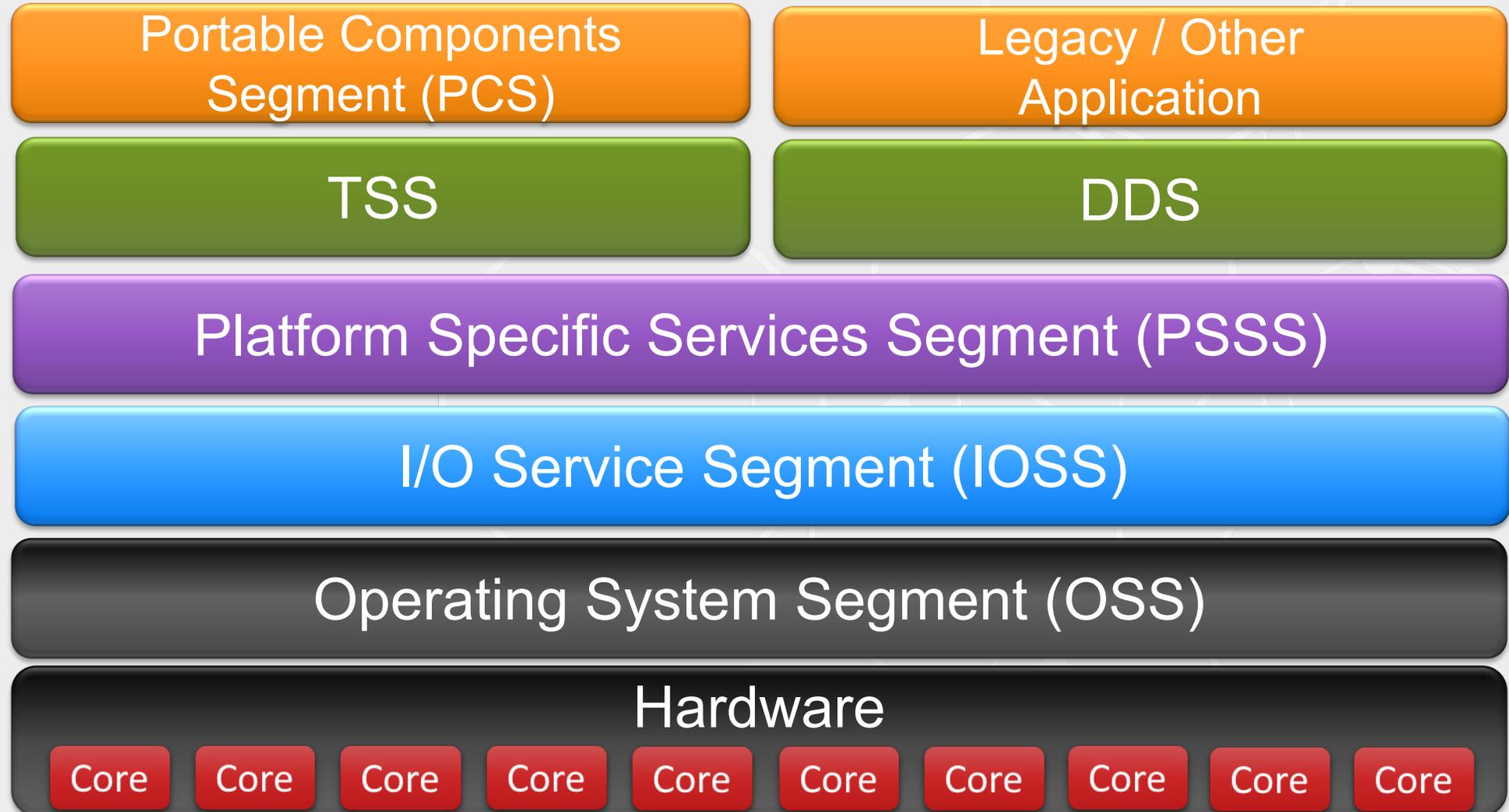


- FACE Portable Components Segment
- Transport Services Segment
- Platform Specific Services Segment
 - Platform Device Services
 - Platform Common Services
 - Graphics Services
- I/O Services Segment
- Drivers
- Operating System Segment

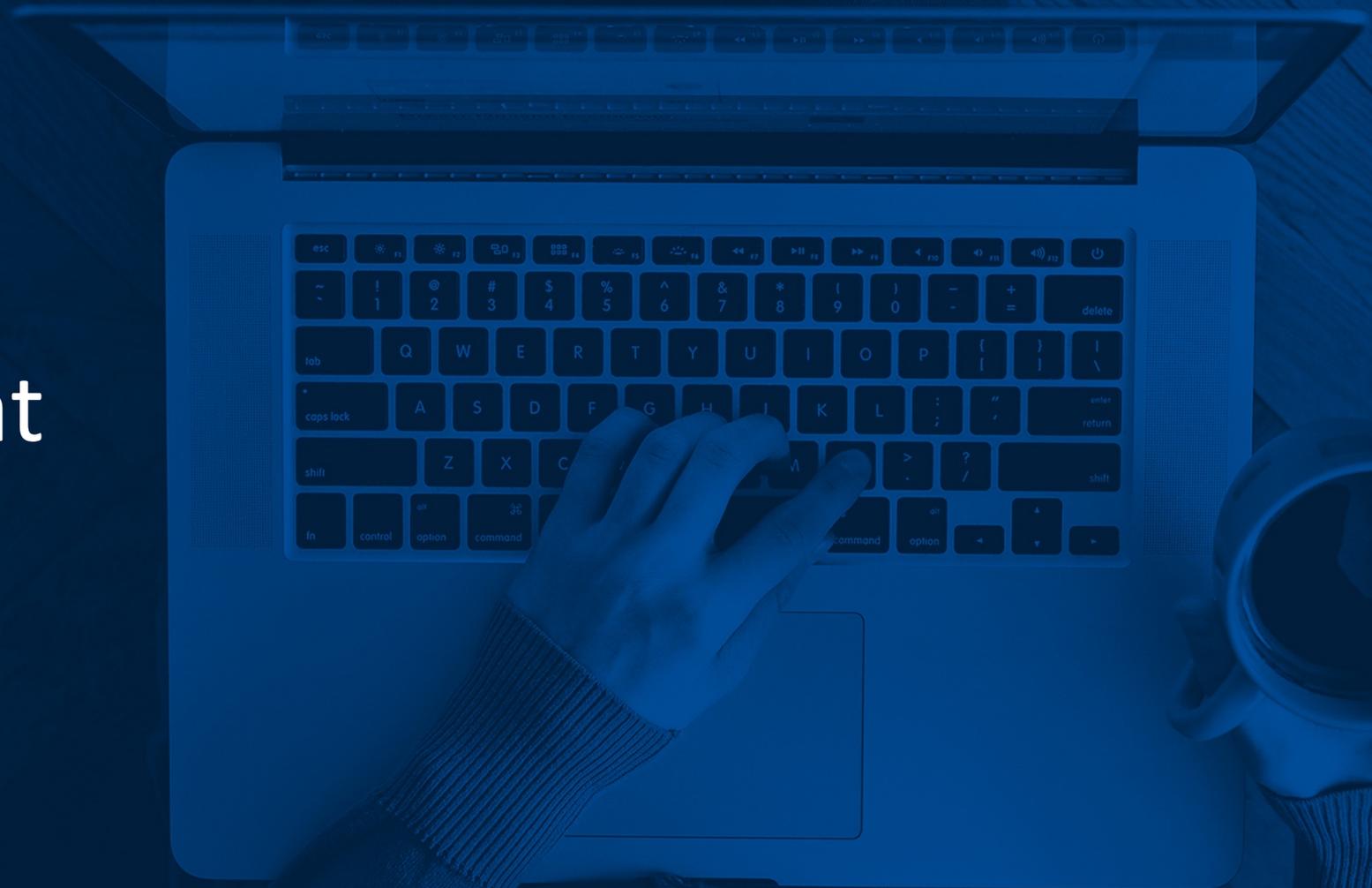
FACE Use Cases with ConnexT TSS

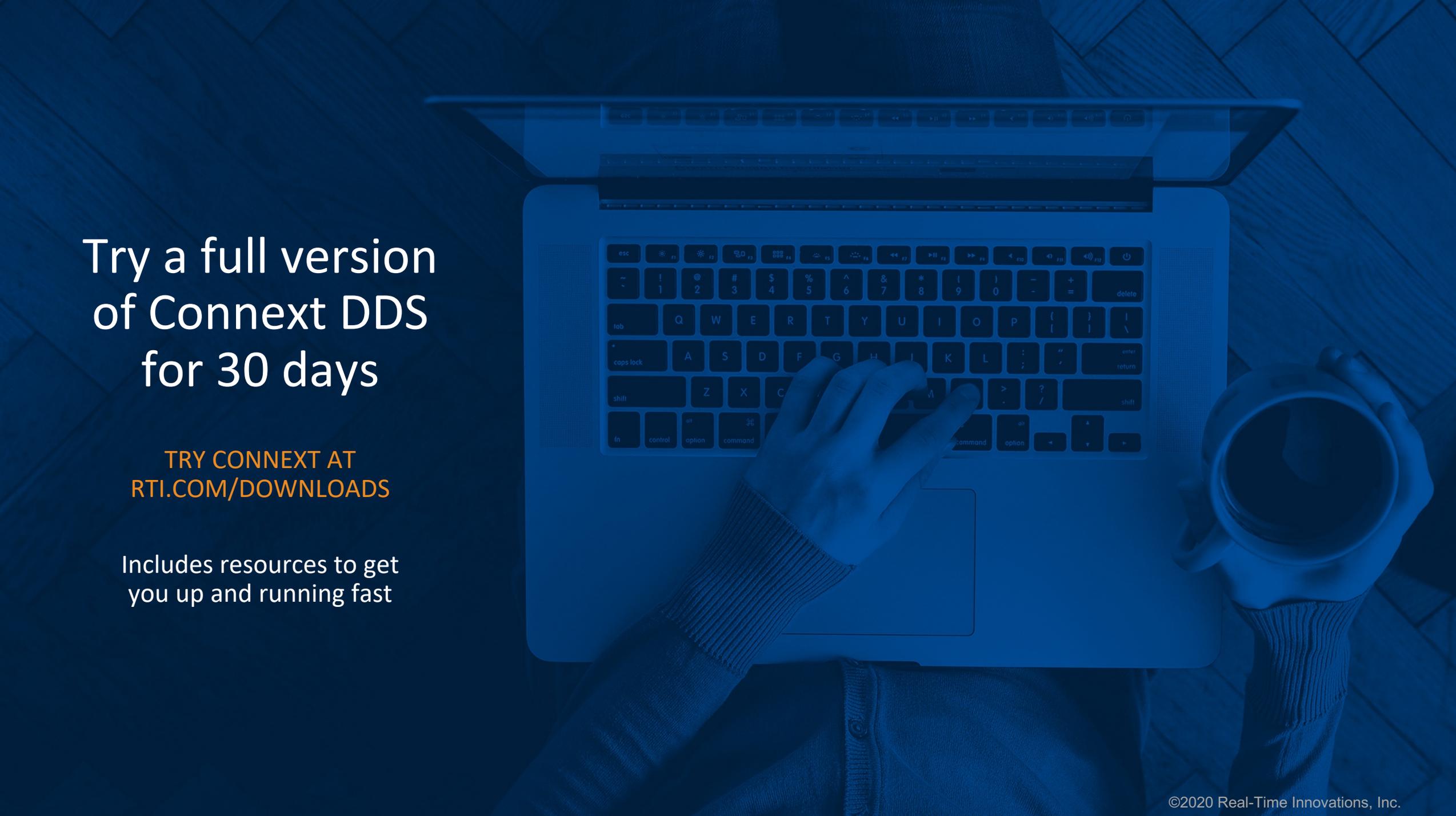
- Mixed FACE Transport Services Segment (TSS) Integration
 - Bridging FACE TSS 1.0, 2.0, 2.1, 3.0, 3.1, and Unknown Futures
- Connecting FACE and Non-FACE Systems
- Upgrading both certified and uncertified systems
 - Using ConnexT DDS loose coupling, with/without TSS
- Aiding in loose data coupling and robust partitioning for tech insertion in certified systems on multi-core platforms

Mixed FACE Solution Stack



Coffee Chat





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