

GAYEM™

Open Architecture Computing Environment

FACE-aligned infrastructure for modular avionics, sensor and weapon systems (SOSA & WOSA).

Build portable, reusable and interoperable software across heterogeneous computing platforms.

PORTABLE

Decouple mission software from platform specifics

REUSABLE

Deploy common services across programs

INTEROPERABLE

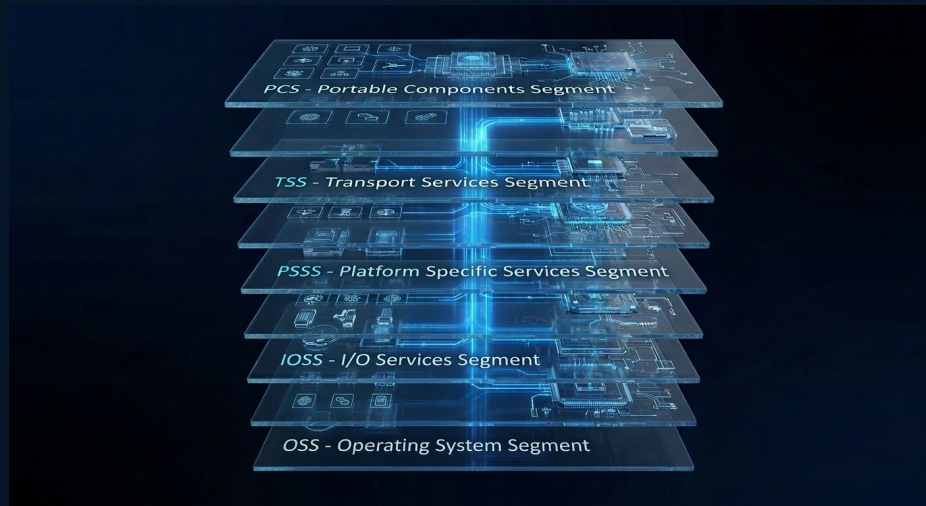
Integrate distributed systems through open interfaces

**One platform. Multiple domains.
A reusable foundation for future
mission systems.**

Layered architecture. Integrated capabilities.

A standards-based computing environment that separates mission applications from platform-specific implementation details.

01 ARCHITECTURE



Mission applications remain reusable across hardware and operating environments through standardized platform services, communication abstractions and a consistent integration model.

APPLICATIONS
PORTABLE COMPONENTS
PLATFORM SERVICES
TSS / IOSS

02 CORE CAPABILITIES



TRANSPORT SERVICES

Configurable UDP, TCP and message-queue transports.

CONFIGURATION & LOGGING

Consistent runtime configuration and RFC 5424 logging.

I/O SERVICES

Hardware abstraction for reusable device integration.

MODEL-DRIVEN ENGINEERING

Data modeling and automatic interface generation.

HEALTH & FAULT MGMT

Supervision, fault reporting and recovery support.

SIMULATION & TEST

Monitoring, simulation and verification environments.

DESIGNED FOR FACE TODAY
READY FOR FUTURE OPEN ARCHITECTURES

POSIX environments today | ARINC 653 evolution | MOSA-aligned | SOSA-ready direction

**From avionics to sensors.
From mission computers to weapon
systems.**

ONE OPEN ARCHITECTURE PLATFORM

GAYEM™

BUILD PORTABLE | BUILD REUSABLE | BUILD INTEROPERABLE