The Naval Air Systems Command (NAVAIR) Architecture Management Integration Environment (AMIE) provides a reliable way to interface distributed simulations without the need to change the underlying system. As a cross-platform middleware, it provides an interface abstraction, collection of libraries, and a set of tools that help solve the reusability problem associated with the direct implementation of interface protocols.

The goal of AMIE is to promote re-use and efficiency across the acquisition lifecycle. This is accomplished through the use of a common and non-proprietary method of integrating models and simulations that “create the battlespace.” AMIE reduces redundant development and provides means to integrate high-speed external assets, simulations, and support products.

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AMIE promotes the integration of cross vendor products to verify System of Systems (SoS) operational performance by improving the interoperable interactions within the joint mission environment. AMIE enables programs to focus investments on program-specific requirements when developing simulation capabilities, rather than developing individual stove-piped simulation systems.

Additional benefits of the AMIE include reduced redundant development, allows organizations to integrate software and hardware in their native architecture environments, an open architecture to integrate cross vendor products while maintaining competitive edge without revealing proprietary data, and recording of analytical data in a standardized format, and a consistent and open architecture for enterprise use.

Proven by Naval Air Systems Command (NAVAIR) customers for over nine years, AMIE is a tested resource that can be continually utilized.

**SUPPORTED PLATFORMS**

- Windows 7 32-bit and 64-bit
  - QT 5.6.2
  - VS2010
  - VS2012
  - VS2013
  - VS2015
- Windows 10 64-bit
  - QT 5.6.2
  - VS2015
- Redhat 6 Enterprise 32-bit and 64-bit
  - QT 5.6.2
  - GCC
- Redhat 7 Enterprise 64-bit
  - QT 5.6.2
  - GCC

**INCLUDED IN THE AMIE RELEASE**

- Getting Started with AMIE
- AMIE User’s Guide
- AMIE Tutorials including Examples
- Plugins:
  - DIS
    - Version 6
    - Version 7
  - CAFDMO
  - HLA NASMP
    - Version 1.2 RTI NGPro
    - Version 1.4 RTI NGPro
  - TENA
    - 6.0.5 Standard
    - 6.0.5 InterTEC
  - Joint Integrated Mission Model (JIMM)
  - JREAP
  - Simple
  - Recorder
  - Network
    - UDP/TCP
- Libraries
  - Coordinate Conversion
  - Plugin
  - Chapter 10
  - Telnet
  - Link 16
  - Link 11
- Applications
  - Plugin Test Tool
  - Plugin Gateway
  - Chapter 10 Viewer

For further information on this exhibit, or on business opportunities with NAVAIR, please contact our Architecture Management Integration Environment Team by telephone at (301) 757-9334, by e-mail at amie@navy.mil, or by mail at Architecture Management Integration Environment Team, NAVAIR, 48150 Shaw Road, Patuxent River, MD 20670.