

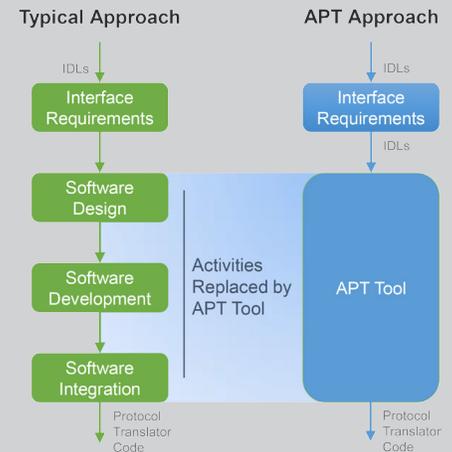
Automated Protocol Translator (APT)

Eliminate costly, complex and time-consuming system interoperability issues.

Rite-Solutions' Automated Protocol Translator (APT) is a software tool that resolves system interoperability challenges produced by varying and ever-changing interface protocols. The APT auto-generates interface software that ensures software/system communications now and in the future.

The APT, with Rite-Solutions engineering services, helps you:

- Rapidly integrate new technologies and open-architecture innovations to modernize and improve the security of legacy weapons systems
- Maintain interoperability of different systems without modification to existing/legacy or new software applications, protocols, and/or interfaces
- Reduce time and costs associated with manually developing, testing and maintaining software interfaces



Automating system interoperability ensures continuous integration.

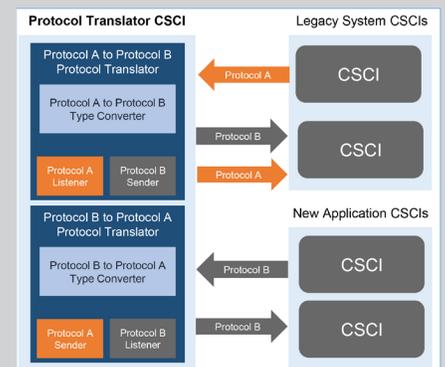
Organizations have coped with interoperability challenges by developing custom software or adding middleware products. Often, these approaches add complexity, risk, cost, and time. Rite-Solutions' APT automates the development of software to efficiently ensure continuous integration of multiple systems.

The APT tool

- Uses a Domain Specific Language (DSL), along with the Interface Definition Language (IDL) for the desired protocols, to define the structure and behavior mapping required to translate protocols from one form to another
- Auto-generates interface software that translates messages/events from one protocol to another. Ex: CORBA to AMQP (Google Protocol Buffer)

The Runtime Protocol Translator

- Is a lightweight application compiled from the auto-generated code and other software/configuration data
- Enables legacy and new systems to communicate without modifying either the legacy or new system
- Multiple deployment options: Application, VM, container



Runtime Environment

Gain an *Information Advantage*[™] – and a competitive edge.

Rite-Solutions[™] designs, develops, and deploys mission-critical software solutions and systems to help you convert complex data into valuable intelligence. Our solutions provide a sustainable, competitive edge – an *Information Advantage*[™] that empowers your organization to:

- Access enterprise-wide information anytime, anywhere via open and integrated system architectures
- Transform data into actionable solutions via data fusion and intuitive displays that aid decision-making
- Ensure your personnel develop and apply essential knowledge and key skills through training, simulation and decision-support-tools

From developing innovative, high-tech solutions in undersea warfare to improving the performance of a corporate workforce, Rite-Solutions helps optimize your systems, people and processes to achieve an information advantage.



Our areas of expertise help you achieve an *Information Advantage*[™]

From a Command Decision Support System for the US Navy to an integrated content management system for a global healthcare enterprise, Rite-Solutions has helped its clients achieve the *Information Advantage*[™] and a competitive edge. Combining small-business agility and CMMI Level 3 discipline, we develop innovative, reliable and affordable solutions in seven primary areas of expertise:



- Military-Grade Software Development
- Undersea Warfare Systems Solutions
- IT Infrastructure Management and Cyber-Security Services
- Learning and Employee Performance Solutions
- Innovation and Employee Engagement Platforms
- Structured Content Management Solutions
- Custom Engineered Software and Systems

Join our growing list of world-class customers.

For more than 15 years, Rite-Solutions has developed mission-critical systems for leading government and commercial customers worldwide, many of whom have been with us for more than 10 years. We welcome the opportunity to provide you with the innovation and trusted service that are Rite-Solutions hallmarks.

- Boeing
- Coca-Cola
- GE Healthcare
- General Dynamics
- Goodyear
- Hasbro
- Naval Sea Systems Command (NAVSEA)
- Naval Surface Warfare Center (NSWC)
- Naval Undersea Warfare Center (NUWC)
- NEC
- Nestle
- Raytheon
- Program Executive Office Submarines
- Regions Financial
- Space and Naval Warfare Systems Command (SPAWAR)
- US Coast Guard

