

Automated Protocol Translator (APT)

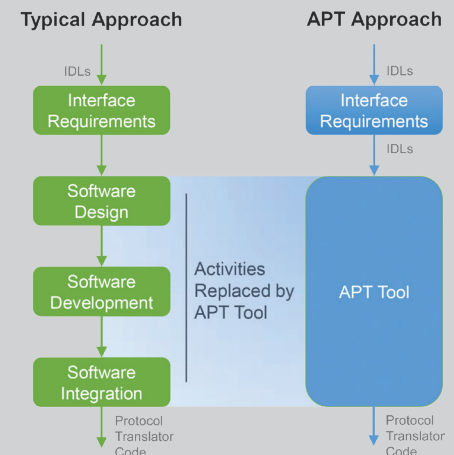


Eliminate costly, complex and time-consuming system interoperability issues.

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

