



TEXTRON Systems

Viper Framework



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Bridging

the gap

between

data and

intelligence

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VIPER

Overwatch Systems Tactical Operations produces, integrates, and supports intelligence operations with tools that help close the loop from collection to analysis to decision. These advanced solutions include data storage, data retrieval, collection, analysis and real-time collaboration. This electronic sharing of intelligence provides the bridge for information gaps.

Our Viper software integration platform seamlessly integrates diverse applications, services, and data sources into a unified collaborative system. Viper enables a collaborative work environment, allowing analysts to seamlessly work together from multiple workstations. The framework creates an integrated suite of analysis tools, allowing operational ease of use with minimized training.

Key Features

Solution Framework

- An object oriented execution environment for integrating and discovering components to form a Windows application
- Provides tools and mechanisms for connecting components together and defining their interaction
 - Easy to use
 - Fast to implement

Included Components

- Properties Editor
- Preferences Editor
- Search
- Search Results
- Table of Contents
- Connection Manager
- New Entities Palette

Other Available Components (partial list)

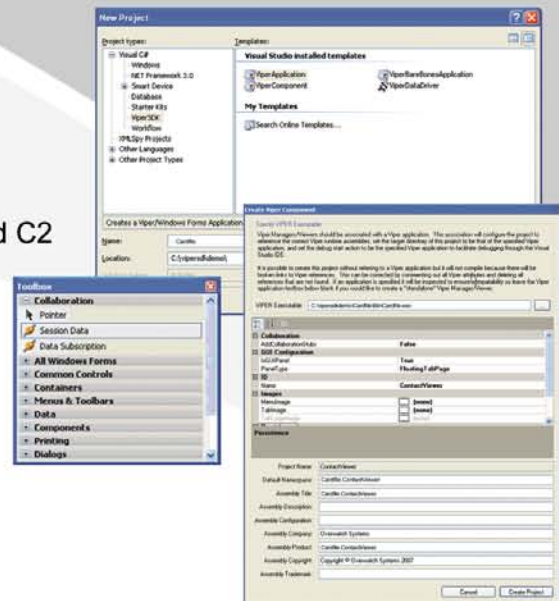
- AOI Manager
- Case Manager
- 2D Map
- Map Contents Manager
- Imagery Viewer
- Link Analysis

Software Development Kit

The Software Development Kit (SDK) contains all the development tools one needs to build Viper-based INTEL and C2 applications using Microsoft Visual Studio.

The SDK includes:

- Application Programming Interface (API)
- 225 page Developer's Guide
- Best Practices Guide
- Frequently Asked Questions (FAQ)
- Over 30 Code Examples
- Visual Studio Wizards and Templates
- Menu Configuration Tool
- Data Modeling Tools



The SDK is freely distributable by the government, allowing any government contractor the ability to create software for the Viper framework.

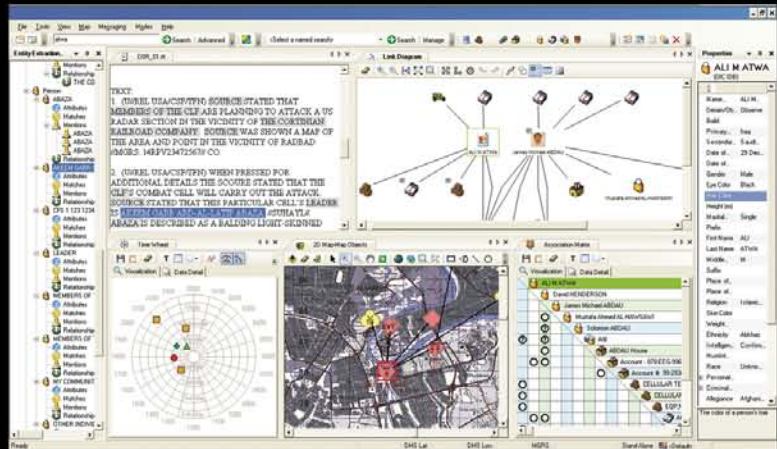
Using the Viper SDK developers can quickly and easily:

- Create reusable software assets that fit in the Viper framework. These assets can include user interface components, background services and data source adapters.
- Assemble and configure reusable software assets into multi-faceted Viper-based INTEL and C2 applications.
- Integrate Viper-based applications into enterprise architectures by developing service client and data source adapters.

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Benefits

- Supports asynchronous data access to multiple, local and remote data sources (federated search).
- Supports collaborative visual and geospatial analysis.
- Includes several basic UI components for building multi-INT applications (e.g. Search).
- Viper based systems can be extended, augmented, and reconfigured without rebuilding the system or modifying existing system components.
- Runs on diverse hardware platforms — laptops to servers.
- Easily integrates with local and remote enterprise services.
- A separate Software Development Kit (SDK) is available.



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