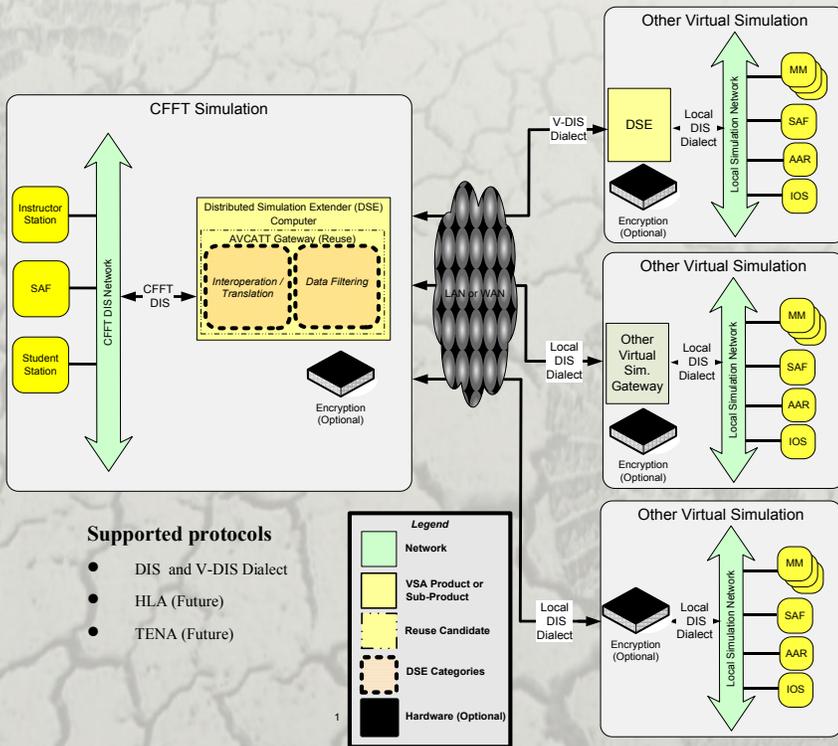




Gateway CVC Fact Sheet

SE Core Gateway



Supported protocols

- DIS and V-DIS Dialect
- HLA (Future)
- TENA (Future)

Capabilities

- Provides interoperability between virtual simulations systems
- Provides a single gateway solution for the virtual domain
- Provides the capability to have multiple simulation sites participating in the same exercise
- Simplifies transmission of simulation network protocols between simulation sites
- Increases bandwidth efficiency between geographically distributed simulations
- Provides filtering of data to reduce bandwidth
- Supports DIS PDU bundling for transmitted network traffic
- Runs on Windows and Linux

Reuse Options

- Operates as a stand alone product
- Support full replacement for existing simulation specific systems
- Support integration into existing architectures

Distribution Process

Software distribution of products shall be made by the PM CATT Post Production Software Support (PPSS) Lab, upon receipt and approval of the request that was made through the SE Core portal.

- **Easy to adopt and integrate**
- **Leverages proven product (AVCATT Gateway)**
- **Virtual's solution to support the future of large scale LVC interoperability exercises**
- **Minimize LCC while providing added capability to Warfighter training**

Benefits

- Supports interoperability with DIS protocol and multiple DIS dialects concurrently
- Communicates with gateways of existing simulation systems
- Pre-loaded simulation system enumerations types
- Numerous translation options for systems using DIS v4 and DIS v6 dialects, mappings between v4 and v6
- Support for IFF PDUs, enumeration changes, field changes
- Data filtering options in scenarios for distance exercises
- Status connection health with other simulations participating in the exercise
- User friendly GUI for easy configuration
- Provides secure communications of network traffic through NIAP approved encryption products
- Pending approval for the Army CON program

Adopters

- CFFT (1st Adopter)
- AVCATT
- Army & Air National Guard
- RDECOM-STTC
- Apache Block III
- Shadow Crew Trainer
- Fidelity Tech

Documentation

- Component Contract includes:
- Requirements Specifications
 - SDD
 - Interface Definition
 - Build Procedures
 - Install Procedures
 - Runtime Procedures
 - Training Material
 - User Manual