



*Mission Oriented Architectural
Legacy Evolution*

VisEd

Architecture Visual Editor

Program Description

VisEd is a support tool for viewing and editing architectural descriptions. It allows MORALE users to view architectural data in a graphic format to assist in the architectural analysis, assessment and refinement process. VisEd connects to ACME Server (another MORALE tool) to provide general processing services for ACME textual descriptions. VisEd is built on the Graphlet layout and editing tool which allows it to perform general purpose editing and display functions.

Program Features

VisEd provides the following capabilities:

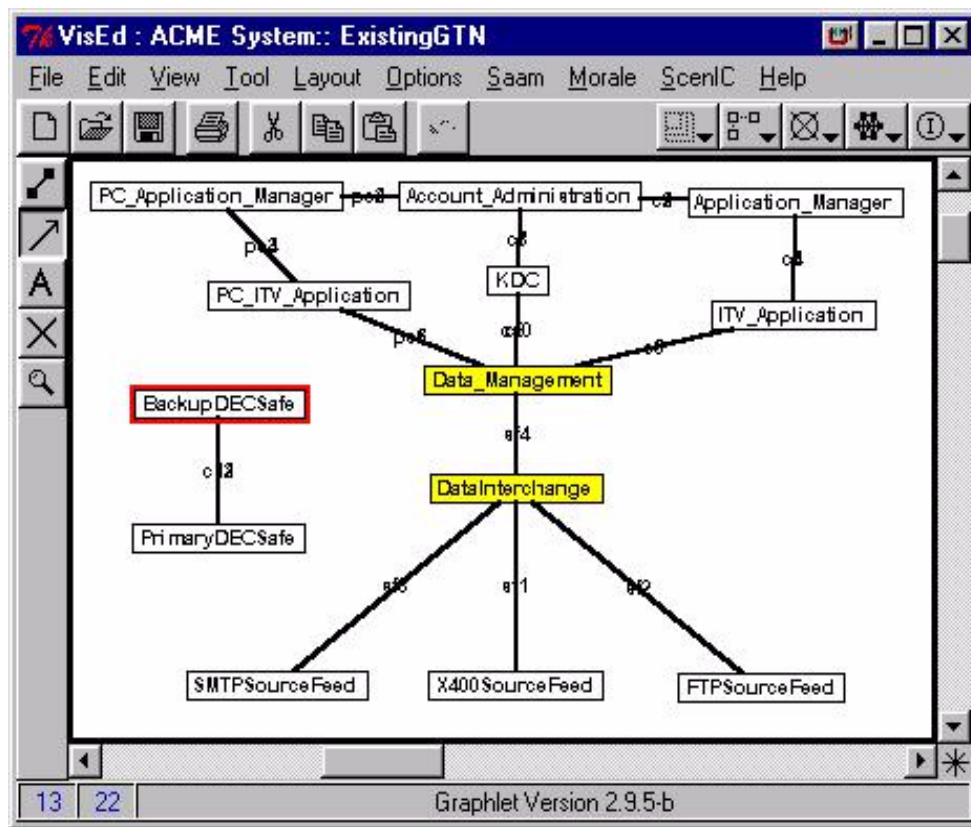
- Display graphically an ACME-described architecture.
- Provide auto-layout of architectural representations using multiple layout algorithms.
- Save edited architectures in ACME, gml, or postscript formats.
- Print the graphical representation.
- Add or delete components and connectors interactively.
- View and edit ACME properties of any displayed element.
- Expand components to show detailed representations.

MORALE

VisEd supports the Mission Oriented Architectural Legacy Evolution (MORALE) architecture analysis process. The goal of the MORALE project is to facilitate the evolution of legacy software systems. Facilitation takes the form of improved quality by requirements validation, reduced risk via architectural evaluation and assessment, and increased productivity from maintenance and access to design rationale and from high level reuse of architectural components.

VisEd Sample Screen

The following screen shows an ACME-described architecture being displayed. The components shaded yellow have a detailed representation which can be either expanded in place or in another view. Properties of components, connectors or systems can be viewed and new ACME items created. The ACME representation is updated automatically as user changes are made. There is also an update feature so changes made by other tools to the ACME description under consideration can be viewed.



Availability

VisEd is currently in a beta 0.5 release. Binary and source distributions are available. (Some Graphlet features are available in binary form only, source must be obtained from Passau University). Use of Graphlet is restricted to use in non-commercial applications without prior permission of copyright holder.

Contact Information

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System Requirements

VisEd has currently been tested on the Solaris and Win32 platform. It depends on:

- Tcl/Tk 8.0p2 or greater
- Graphlet 2.9.5 or greater
- ACMEserver (another MORALE product)

Sponsorship

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