Information Cluster

Model Type:
abstract system model

Logical View:

- An information cluster encapsulates complex, sensitive, global, or device dependent data, along with functions which manage the data, in a container with internals not accessible to client view.

- Public access is provided by a series of accessor and mutator functions. Clients don't have access to private functions or data.

Implementation:

- C module using file scope for encapsulation. All private functions and global data are qualified as static.

- C++ class using public, protected, and private keywords to implement public and protected interfaces. Each class (or small, intimately related group of classes) should be given its own module.

- Each module implementing an information cluster contains a manual page and maintenance page which describe the logical model for the cluster and its chronological modification history.

public functions

private functions

private data