

## The VirtuLINK Framework (VFW)

Since 1998, VirtuLINK Systems has been focused on providing open source software / solutions to retail, professional, medical, private duty and human service organizations. Offering online database management systems, web design and professional services, VirtuLINK offers quick deployment and implementation of web based solutions through a standard rapid application development tool called the VirtuLINK Framework (VFW). Given the virtually unlimited amount of flexibility, the VFW code bed can be configured to run in a wide variety of business and "portal" environments.

At its core is a system of scripts which control user access and security, GUI look and feel, and the data input screen content. With these tools in hand, users can modify existing screens or build their own content.

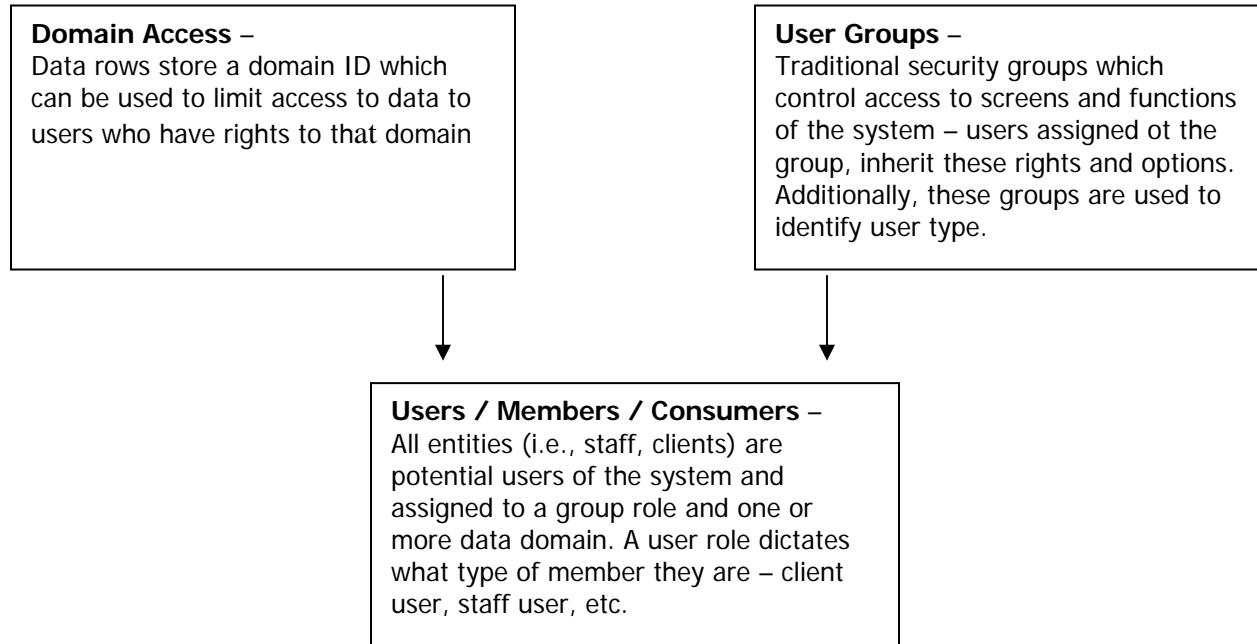


The screenshot displays the VirtuLINK web application interface. At the top, the VirtuLINK LLC logo is visible. Below the logo is a navigation menu with options: Home, Appt Scheduling, WWW Admin, Billing, Administration, Reports, Help, and Logout. On the left side, there is a sidebar menu with options: Welcome Page, My Profile, My Security Profile, Member Profile (highlighted), and Contact Manager. Below the sidebar menu is a section for Quick Links, including My Care Teams and Member Lookup. The main content area shows a Member Profile for Bill Jones (6), with fields for Name (ID), MI, Aliases, SSN, and DOB. There is also a photo of the member and a barcode. Below the profile information are several sections with drill-down links: Demographic Profile, Contacts, Contact History, Payor / Insurance Profile, Health History, and Care Team Members. At the bottom of the page, it says "1 Record(s) Found".

Callouts from the image:

- Configure Look and Feel / Style Sheets**: Points to the top header area.
- Configure Menus and Screens**: Points to the navigation menu.
- Configure Drill Down Relational Sub Screens**: Points to the drill-down links in the Member Profile section.
- 5 scripts for searching, viewing, adding, editing and deleting data. Many objects available for building screens including lookups, numbers, dates, times and custom objects such as**: Points to the Member Profile section.
- Security rights by group roles to screens and add, edit, search, delete and export functions.**: Points to the bottom of the page.

## Security:



At the core of the VFW is the security system. It allows for maximum flexibility in policing the ability to access data, down to the individual field level, for each user. In addition to traditional user / user group setups, VirtuLINK also allows for the use of domain data sets - the ability to sort data by "domains" at the data row level, allowing for complete lock down of data sets to authorized users. Furthermore, this allows you to use one database for multiple programs / agencies while maintaining privacy of the data.

## Screen Manager:

Another core component of the VFW is the screen manager – a utility for adding, building or maintaining the various screens in the system. Administrators can use the “user-defined” feature to quickly build a data input / output screens based on a data table of their design and quickly assign rights to the screen. These screens are driven by 5 scripts for searching / viewing, adding, editing, exporting and deleting data and contain a wide variety of HTML objects to choose from. All the screen shots listed above were built using this tool.

Screen and Screen Attributes Under Your Control

**Screen Manager** Sub Screen: Member Demographics (order: 20) ▾

Properties:

<p><b>Screen Name:</b> Member Demographics  <b>Screen Type:</b> User Defined  <b>Screen Sub Type:</b> N/A  <b>Located Under:</b> Active Member Area  <b>Order:</b> 20  <b>Help Caption:</b> Help  <b>Parent Table:</b> member_demographics  <b>Search Caption:</b> Search  <b>Add Record Header:</b> Add</p>	<p><b>Add Link Caption:</b> Add  <b>Add Button Caption:</b> Add  <b>Edit Record Header:</b> Edit  <b>Edit Button Caption:</b> Edit  <b>Record Ownership:</b> all  <b>Record Privalegde Edit:</b> -  <b>Record Privalegde Del:</b> -  <b>Record Presortin:</b> -  <b>Sort Field:</b> us</p>
--	--

[Edit Properties](#) | [Delete Screen](#)

Screen Objects Configuration Manager:

Label (ID)	Object Type	Field Name	Object Order	Action?
Effective Date(324)	date	start_date	2	<a href="#">Edit Object</a>   <a href="#">Delete</a>
Member Address(326)	text field	member_address	6	<a href="#">Edit Object</a>   <a href="#">Delete</a>
Appt, Suite, Floor, etc.(327)	text field	member_address_2	8	<a href="#">Edit Object</a>   <a href="#">Delete</a>
City(328)	text field	member_city	10	<a href="#">Edit Object</a>   <a href="#">Delete</a>
State(329)	state select	member state	12	<a href="#">Edit Object</a>   <a href="#">Delete</a>

Screen objects allow you to build and store your data input / output screens in the database – a wide variety of objects are available and users can create their own custom objects

In those instances where you need more flexibility or design options, administrators can hard-code their own screens and add them to the system through the screen manager. They are then subject to the same security rules as listed above. Hard coded screens can be written in any HTML compatible language although we suggest PHP.

## Technology:

The VFW is coded using simple MySQL / PHP components. No thick-client code added...just pure pre-compiled HTML combined with simple JavaScript allow for a powerful front end that is not slow to load, slow to use, programmer intensive or platform dependent. VirtuLINK will run on LAMP, WAMP and WIMP platforms and, in most cases, will not require administrative access to the server for tweaks. Certain add-ons such as a scanner interface or custom PHP classes (all optional) may have additional requirements.