WebSpace Implementation Plan: WebTool(kit)s

We have identified a set of component and integration technologies contributing to the WebWindows paradigm. The major task of the WebSpace project is to further specify the fine structure of individual toolkits, express the required functionality in terms of commercial and/or in-house tools, and design suitable WebFlow API to facilitate system integration in terms of such a collection of toolkits/modules.

Component Technologies

Toolkit	Entity	Description	Technologies
WebAgent	rule	Intelligent Agents, Distributed AI	Telescript, Safe-Tcl
WebAuthor	widget	Interactive GUI Authoring	JavaScript, LiveWire
WebCASE	applet	Web based software engineering	JDE, TDE
WebCMS	process(or)	Cluster Management Systems	Odine, EASY, ...
WebConf	person	Web Conferencing	IRC, MOO
WebDBMS	table/object	Relational & OO Database Management Systems	Oracle, Informix
WebImg	image	Imaging Servers	AVS, Khoros
WebPDA	note	Personal Digital Assistant	Netscape2
WebSim	avatar	Distributed Interactive Simulations	VRML+
WebVOD	stream	Streamlined Video & Audio Servers	LiveMedia
WebWorld	3D object	3D Scene (World) design	VRML 1.0

Integration Technologies

Toolkit	Entity	Description	Technologies
WebFlow	module	multi(web)server dataflow	Java, E
WebHPL	array	multi(web)server data-parallel	Java, E, PCRC
WebTVR	world	Web based televirtuality	VRML 2.0, MOO, VRML+
WebWindows	view/window	Web based windowing system	Netscape2, plugins