



WebVX



Introducing the *WebVX*
Web/Viewdata Interface





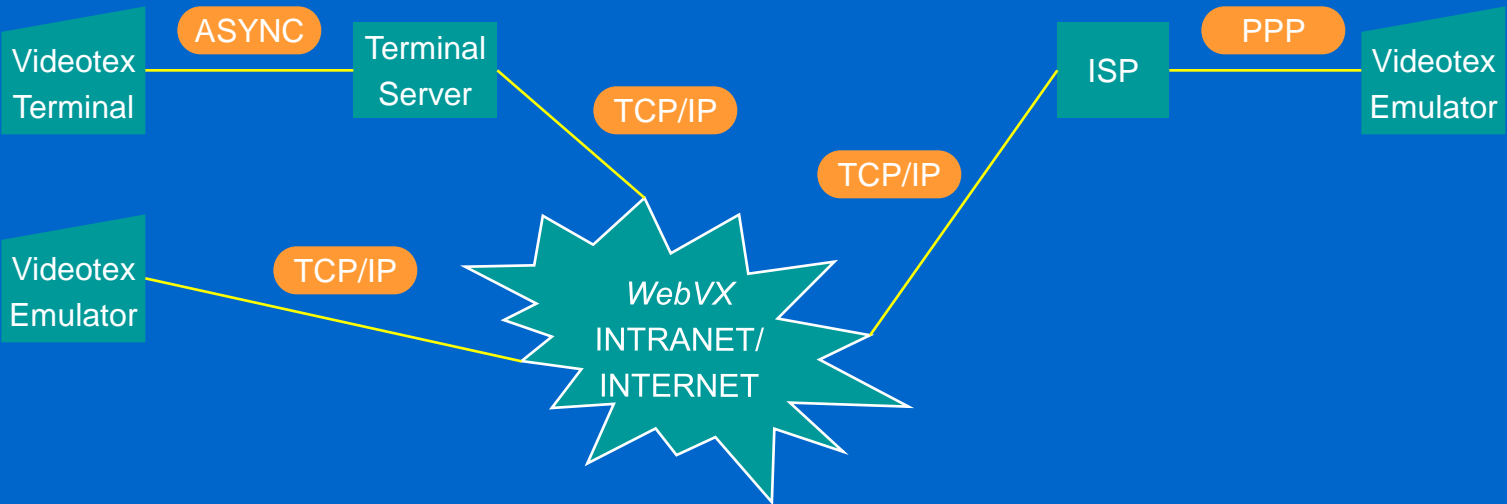
WebVX

EASING MIGRATION TO THE WEB

- *WebVX* enables you to provide a low-cost viewdata interface to your systems simply by leveraging your team's web-oriented development skills.
- *WebVX* acts as a web browser (HTML 1.0) that runs as a TCP/IP service on Windows® Server. Travel agents with viewdata terminals or software can connect via dial-in or WAN and browse web pages on an intranet or on the internet (including forms entry).
- *WebVX* currently drives videotex terminals that support the UK 'Viewdata' (Prestel) standard or the French 'Minitel' (Télétel) standard.
- *WebVX* facilitates your development of modern, feature-rich web applications that also include a user-friendly viewdata display channel.



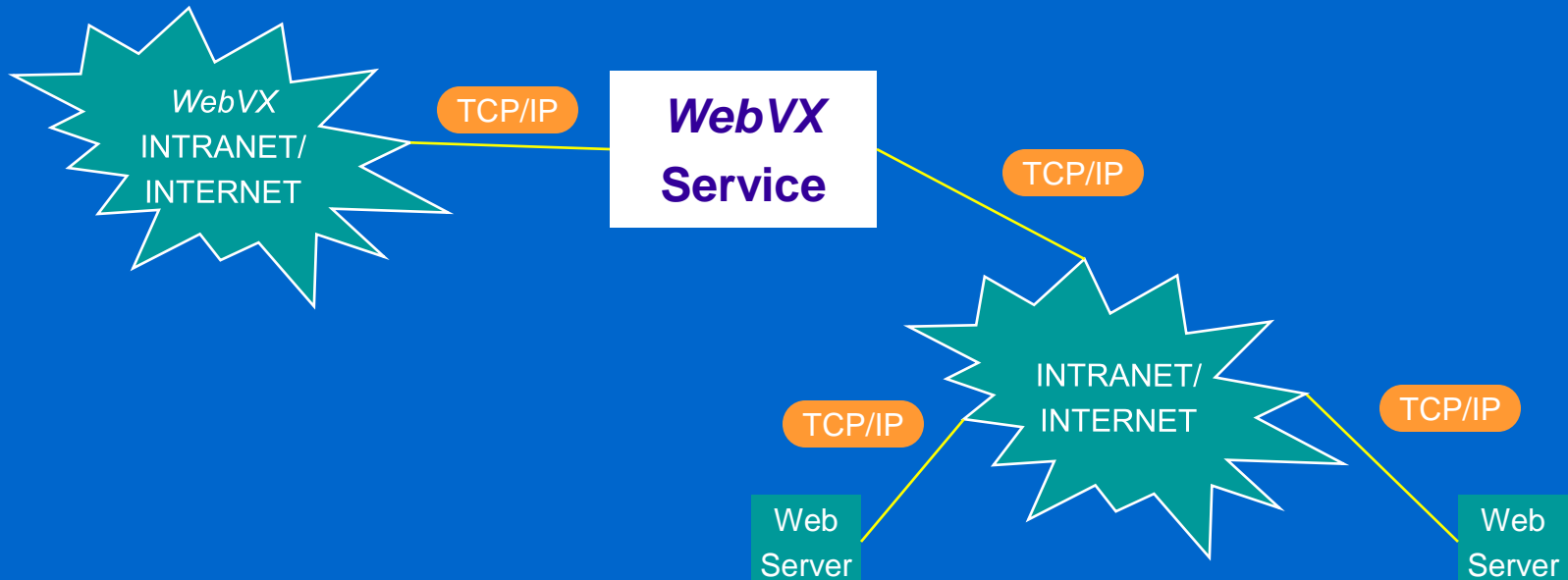
WebVX CLIENT CONNECTIONS



CLIENTS FIRSTLY CONNECT TO THE *WebVX* SERVICE PROVIDER'S INTRANET VIA DIAL-UP, VAN, DIRECTLY OR VIA THE INTERNET



WebVX SERVICE CONNECTIONS



CLIENTS THEN CONNECT VIA THE *WebVX* SERVICE TO WEB SERVERS ON THE LOCAL INTRANET OR ON THE INTERNET



WebVX

CONFIGURATION - SERVICE

WebVX Configuration

Service Configuration | Browser Configuration

Working Directory:

Service IP Address: Use this field only if your computer supports multiple IP addresses.

UK Viewdata IP Port:

French Télétel IP Port:

German Bildschirmtext IP Port:

Log File:

Logging Level: Logging Levels:
0 - Service Activity, 1 - SubService Activity
2 - Client Session, 3 - Browser Activity

OK Cancel

Working directory for the service

IP address & port of a sub-service that Clients should connect to

Log file name (if any) and required level of logging detail



WebVX

CONFIGURATION - BROWSER

WebVX Configuration

Service Configuration | **Browser Configuration**

UK Viewdata URL

French Iélétel URL

German Bildschirmtext URL

Initial URL to be displayed by a sub-service (if any)

Configuration of display options (see next slide)

Configuration of display colours (see slide after next)



Web VX

CONFIGURATION - OPTIONS

If checked, a user may specify a link URL. If not, they may only link to URLs given in hyperlinks

Inactivity timeout for user input (if required)

Receive timeout for web files

Display default title?

Command line present and visible at all times?

Star (*) not needed to activate command line?

Use default colours for HTML effects?

Browser Options

Input Timeout: 0 (0-No Limit or 1-90 Minutes)

Web Timeout: 20 (5-600 Seconds)

Allow User-Specified URL

Display Title Line

Visible Command Line

Active Command Line

Display Colour Effects

Input Options

Text Colours

Insert Mode

Terminator Required

Password Character: *

Text Pad Character:

OK Cancel

Use default colours for input text?

Insert or otype mode for text input?

Terminator required at the end of a field or automatic field termination?

Character to display during input of a password

Pad character to use in text fields



Web VX

CONFIGURATION - COLOURS

Browser Colours [X]

Normal Text	White	Heading 1	Yellow	Italic	Green
Title Background	Cyan	Heading 2	Green	Emphasis	Magenta
Title Foreground	Blue	Heading 3	Red	Bold	Red
Input Background	White	Heading 4	Blue	Strong	Blue
Input Foreground	Blue	Heading 5	Magenta	Link Text	Cyan
		Heading 6	Magenta	Horizontal Line	Yellow

OK Cancel

Default text colour
(background is
always black)

Colours of Screen
Heading (from
HTML page title)

Colours to use
to denote field
input on forms

Colours to use
for special effects
and hyperlinks

Colours to use
to denote levels
of heading



Web VX HTML TAGS

Parsed but Ignored:

<STYLE>	<BASE>	<APPLET>
<SCRIPT>	<LINK>	

Recognised (may not be fully actionable):

<HTML>	 	
<HEAD>	<A>	<FORM>
<BODY>	<ADDRESS>	<TEXTAREA>
<TITLE>	<BLOCKQUOTE>	<INPUT>
<ISINDEX>		<SELECT>
<META>		<OPTION>
<H1> - <H6>	<DIR>	<HR>
<I>	<MENU>	<TABLE>
		<TR>
<CITE>	<DL>	<TD>
	<DT>	<TH>
	<DD>	
<P>	<PRE>	

Special Tags:

<VDATA>	<CEPT2>	
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Web VX <VDATA> TAG - PARAMETERS (1/2)

ACTION

This parameter is ignored within a document that contains an input form. The argument is the URL of the page to which the user should be directed on entry of '#' (default is the next screen within the page). If the parameter is present but no URL is given then '#' will have no effect. The last 'ACTION' parameter in a HTML document will be the operative one.

ALT

The argument for this parameter is a single character string (eg "!"). The character specified can be entered by the user as an alternative to the hash ('#') character to terminate a text input field. There is no default and the last 'ALT' parameter in a HTML document will be the operative one. Note that an alternative terminator will be included within the text field itself.

BACKURL

The argument for this parameter is the URL of the page to which the user should be directed on entry of '*#' (default is the previous screen or page). If the parameter is present but no URL is given then '*#' will have no effect. The last 'BACKURL' parameter in a HTML document will be the operative one.

DISCONNECT

The argument for this parameter is 'YES' - to disconnect the user after document display or 'NO' (the default) to not disconnect the user. The last 'DISCONNECT' parameter in a document will be the operative one. Once the display of a document containing an affirmative 'DISCONNECT' is complete, the user will be immediately disconnected.

EXITURL

The argument for this parameter is the URL of the page to which the user should be directed on a timeout or on entry of "*90#" (default is immediate disconnect). The last 'EXITURL' parameter in a HTML document will be the operative one.

INDEXURL

The argument for this parameter is the URL of the page to which the user should be directed on entry of "*0#" (default is original home URL). The last 'INDEXURL' parameter in a HTML document will be the operative one.

MULTIPLE

There is no argument for this parameter and it indicates that the page is a 'Multiple Choice' ('menu') type (default is otherwise). On a Multiple Choice page (providing there is no Input Form) a link may be selected just by entering the link number (1-9) – ie there is no requirement for a star (*) prefix nor a following '#'.



Web VX <VDATA> TAG - PARAMETERS (2/2)

OVERLAY

The argument for this parameter is 'YES' - to update the screen only with changes from the previous screen - or 'NO' (the default) to clear the screen before display. The last 'OVERLAY' parameter in a document will be the operative one.

PROCESS

The argument for this parameter is the pathname of a local process. The purpose of the parameter is to enable selected incoming data to be managed by the external process to allow, for example, secure printing procedures to be developed.

The presence of a 'PROCESS' parameter in a <VDATA> tag will cause all text between that tag and the next </VDATA> tag (or the end of the document) to be stored in a temporary data file. Once the input of the whole document is complete, the local process specified is invoked with the pathname of the temporary data file as the sole argument.

Until the termination of the process, all input from the user will be directed to the standard input of the process and all standard output from the process will be directed to the user. On termination of the process the user is taken back to the URL of the previous document.

RELOADURL

The argument for this parameter is the URL of the page to which the user should be directed on entry of '*09' (default is to reload the current page). If the parameter is present but no URL is given then '*09' will have no effect. The last 'RELOADURL' parameter in a HTML document will be the operative one.

STARURL

The argument for this parameter is the URL of the page to which the user should be directed on entry of '**' (default is no action). The last 'STARURL' parameter in a HTML document will be the operative one.

TIMEOUTURL

The argument for this parameter is the URL of the page to which the user should be directed on an input timeout (default is 'EXITURL', if specified, or immediate disconnect). The last 'TIMEOUTURL' parameter in a HTML document will be the operative one.

VTX

The argument for this parameter is a string of characters to be displayed on the screen in the current position and with no automatic formatting. The '\$' character is mapped to ESCAPE thereby allowing native viewdata escape sequences to be sent to the screen. This parameter can give the designer full control over display attributes and enable the incorporation of graphics.



Web VX CHARACTER MAPPING

WebVX emulates a normal web browser as far as possible and send/receives characters to web servers using standard character sets. To achieve this, some mapping of characters takes place during both input and display.

Input:

From		To	
35	£	163	£
92	½	189	½
94	↑	136	↑
95	#	35	#
123	¼	188	¼
125	¾	190	¾
126	÷	247	÷

Display:

From		To	
35	#	95	#
91	[40	(
92	\	124	
93]	35)
95	_	32	<space>
96	`	39	'
123	{	40	(
125	}	41)
126	~	96	-
136	↑	94	↑
163	£	35	£
188	¼	123	¼
189	½	92	½
190	¾	125	¾
247	÷	126	÷

Other display characters are also mapped, where possible, to their nearest Viewdata equivalent