

Guide to Next Generation Host Access



3270-to-HTML Conversion

What is 3270-HTML Conversion?

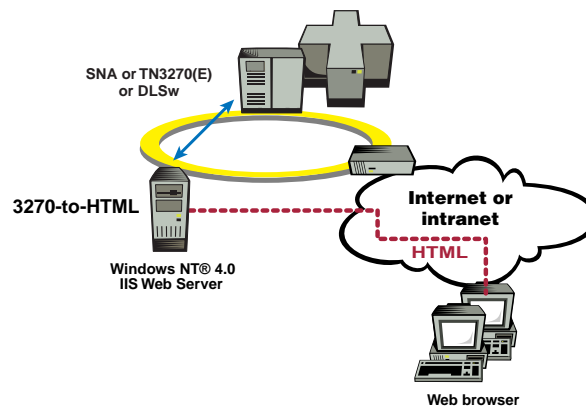
Web-enabling SNA applications via 3270-to-HTML conversion is uncomplicated, flexible, secure, highly cost-effective and proven. 3270-to-HTML conversion permits SNA applications running on a mainframe to be readily accessed from within a standard Microsoft or Netscape Web browser. It also enables effortless rejuvenation of the dated 'green-on-black' 3270 user interface used by most SNA applications without having to change the original application.

With 3270-to-HTML conversion, Web browser users can access data center resources across intranets, extranets, and even the Internet. Given its extensive user interface rejuvenation abilities, it is ideally suited for casual Internet users requiring access to mainframe information. 3270 screen images appear as contemporary Web pages so that Internet users need never know, or care, that they are interacting with an application running on a mainframe.

How Does it Work?

3270-to-HTML conversion is a gateway function performed on an NT-based server. The data stream is translated into Hypertext Markup Language (HTML) by the gateway after receiving browser-based user input via the Web server. (Both the HTML gateway and the Web server can reside on the same machine).

All SNA authentication and security measures remain intact as the SNA application responds to the request with the appropriate 3270 screens, converts them to HTML "on-the-fly" and then passes them to the Web server for delivery to the browser user.



Advantages

- ◆ SNA applications residing on a mainframe are automatically Web-enabled.
- ◆ Permits extensive rejuvenation of the user interface, without changing the SNA application.
- ◆ No client software required at the PC/workstation other than a standard Web browser.
- ◆ Browser and client operating system independent: works with PCs, Macs, UNIX workstations, etc.
- ◆ No programming required for script-based user interface rejuvenation.
- ◆ Works with all Web server-based security and encryption schemes, including SSL Version 3.

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Frequently Asked Questions

Q: Do I have to Web-enable each SNA application, and rejuvenate each screen separately?

A: No. 3270-to-HTML conversion can be applied to all SNA applications at a data center, or just to a specified set of applications. Within a given application, 3270-to-HTML conversion may be automatically performed on all of its screens, or only to those selected. The type and amount of conversion can vary from application to application, or screen to screen.

Q: Can 3270-to-HTML conversion be used as a replacement for 'green-on-black' terminal emulation?

A: 3270-to-HTML conversion is best suited for users needing 'casual access' to a few "screens" from an SNA application, such as home banking, travel reservations, financial updates, and status updates. Dedicated SNA users who may be logged on to SNA applications for an extensive period of time should consider a Java-based access solution for full-function 3270 emulation over the Web.

Q: What software do I need on a client PC to make use of 3270-to-HTML conversion?

A: Just a standard Web browser - either Microsoft's Internet Explorer or Netscape's Navigator.

Q: My browser does not support Function Keys, but I need them in my SNA applications.

A: No problem. 3270-to-HTML conversion can automatically generate function key 'buttons' at the bottom of a Web page that correspond to a 3270 screen. If you are using a Java-capable browser and are using an advanced 3270-to-HTML server, facilities are available to re-map the PC function keys to 3270 keyboard standards. You may then elect to keep the 'buttons' on the screen or re-map to the PC keyboard.

Q: Does 3270-to-HTML conversion support printing?

A: Yes. SNA screens displayed as Web pages can be printed using the browser's print capability.

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Aviva for Terminal Servers	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aviva HostPrint Server	✓	✓	✓	✓		✓		✓	

To learn more about 3270-HTML conversion, please see **Aviva Web-to-Host Server** on our Web site at <http://www.eicon.com/aviva>.



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