



## NC Tip #14: IBM Terminal Emulators

### Customer Requirement

A customer has old IBM 3270 and 5250 terminals that need to be replaced. The replacement product must be able to emulate both the IBM 3270 and the 5250 terminals.

### Solution

The NC900/NCBridge solution provides both IBM 3270 and 5250 terminal emulators for the NC900 via field kit NCF3R.

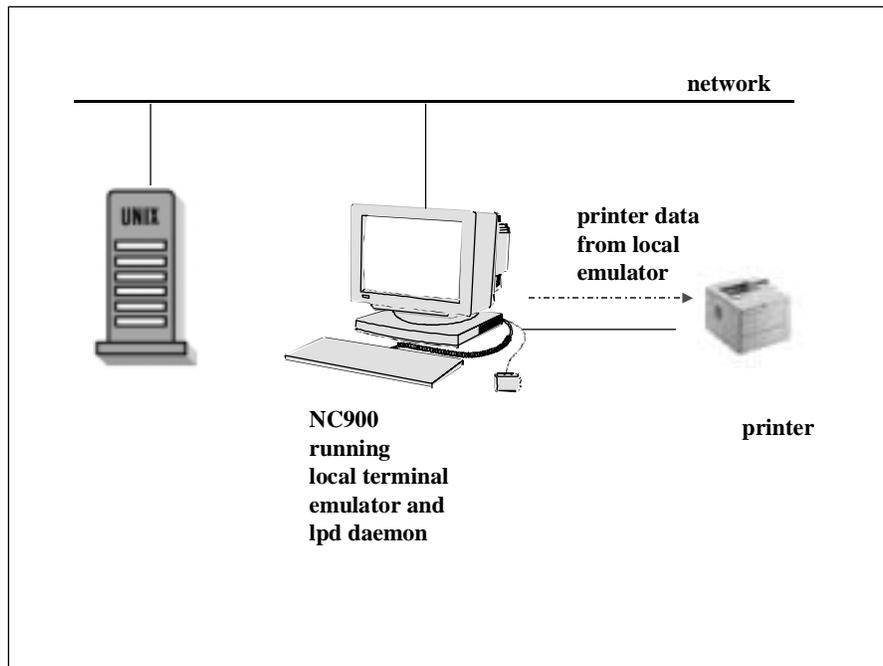
### Overview

The customer should order one NCF3R for each NC900 that is required to run the local terminal emulator. NCF3R provides the license and authorization key that allows the NC900 to run both the 3270 and 5250 terminal emulators that ship with the NCBridge 4.0 software. If the customer requires 50 or more terminal emulators, he should purchase the NCF3R-50, which includes 50 licensed authorization keys.

### Configuration Hints

Both the IBM 3270 and 5250 terminal emulators support local printing via either the NC900 serial or parallel ports to an ASCII printer. A simplified version of a BSD spooler (lpd daemon) runs locally in the NC900, adding the ability to print text from within the local emulators. The print request can be sent to:

- A printer connected to the NC900
- A remote printer on the network
- Another NC900 on the network



The spooler (lpd daemon) allows background processing of the print request so the user can still use the NC900 while the print request is being processed.

**Benefits**

A local client, such as the 3270 or 5250 terminal emulator, offers three different benefits:

1. It off-loads the host computer
2. It off-loads the network
3. It provides a consistent high performance response to the user

Although a single terminal emulator does not require a large amount of resources to run on a host computer, if a customer has dozens of emulators running on a host computer at one time, the users may see a sluggish response from the host emulators during peak usage hours. Since multiple users do not share an NC900 at one time, a local terminal emulator provides a consistent high performance response to the user.