

**REXX FOR WINDOWS, NT, ETC.**

NEIL MILSTED  
ix

# REXX for Windows, NT, etc.

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- Windows and NT Specific
- Generic Dialogs
- Excel
- Networking

# Windows and NT Specific

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- Sending keystrokes
- Clipboard
- Address DOS
- Window information and control

# **Sending keystrokes with "address keys"**

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- Send one or more keystrokes to the active application
- Keystroke notation borrowed from Visual Basic
- Delays should be inserted between time consuming operations

# Keystroke notation

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- Alt = %
- Shift = +
- Control = ^
- Esc = {esc}, Tab = {tab}, etc
- {%} = %, {{}} = {, etc

# So for example in the notepad:

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- address keys "%fomyfile.txt{enter}"
- Opens the File menu with Open for the file myfile.txt

# Issuing DOS commands with "address DOS"

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- DOS commands can be issued but:
  - They run asynchronously
  - There is no error or failure status returned

# Window status

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- `winExe()` - return active window ".exe" name
- `winTitle()` - return active window title
- `winInTaskList()` - return "1" if the window is in the task list



# Window control

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- `winMinimize()` - minimize the active window
- `winMaximize()` - maximize the active window
- `winRestore()` - restore the active window
- `winClose()` - close the active window
- `winSwitchTo()` - make the specified window active

```
/*
**
** Module =
**
**   ixcorp2.rex
**
** Abstract =
**
**   login to ixcorp2 with telnet from Windows
**
** History =
**
**   11-May-93 nfnm Added this comment
**
** Possible future enhancements =
**
*/
/*
* first look for a telnet already running
*/
if winInTaskList("Telnet*") = 1 then
/*
* if telnet's already running, make it active and exit
*/
do
    call winSwitchTo("Telnet*")
    call winRestore
    exit
end
/*
* first prompt for my password
*/
password = DialogPrompt("Password?","")
/*
* fire up telnet
*/
address dos "d:\netmanag\telnet.exe"
/*
* wait for telnet
*/
do while winInTaskList("Telnet*") = 0
    call winsleep .1
end
call winsleep .5
```

```
/*
 * ALT-C ALT-N then the system name and wait for the connection
 */
address keys "%c%n"
address keys "ixcorp2"
address keys "{enter}"
call winsleep 1
/*
 * enter my userid
 */
address keys "nfnm"
address keys "{enter}"
call winsleep 1
/*
 * enter my password
 */
address keys password
address keys "{enter}"
```

# Clipboard

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- `winClipboardGet()` - get text contents of clipboard
- `winClipboardSet()` - set text contents of clipboard

# Generic Dialogs

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- `DialogFileGet()` - prompt for an input file
- `DialogFileSet()` - prompt for an output file
- `DialogMessage()` - display a message box
- `DialogList()` - display a list of choices
- `DialogPrompt()` - prompt for input

# Excel

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- REXX is being used with Excel on both the Macintosh and Windows
  - To extract data on the Macintosh using Apple Events
  - To extract data in Windows using the Dynamic Data Exchange

# Networking

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- Data transfer
- Remote execution of REXX programs

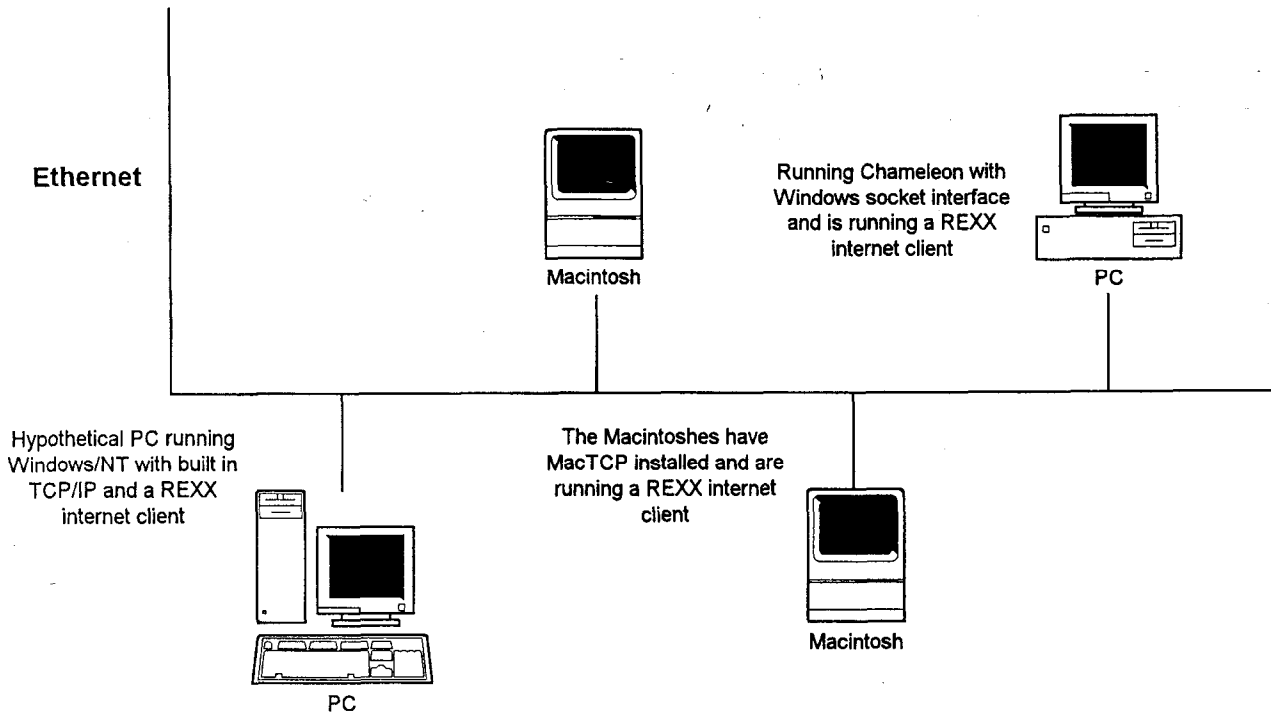
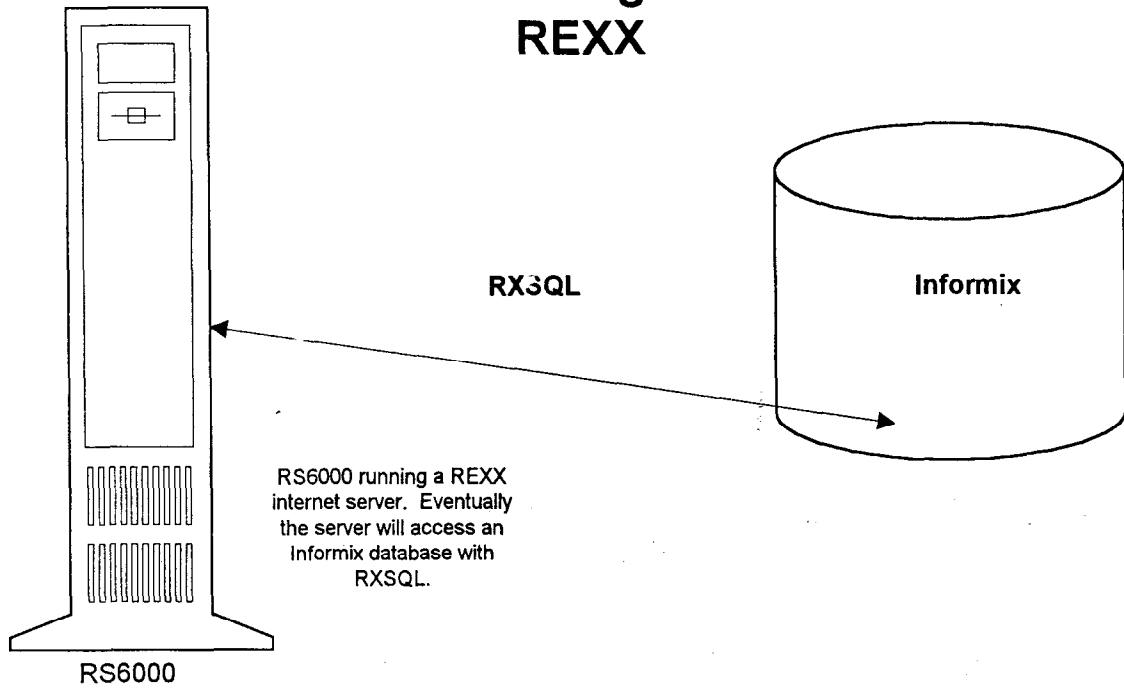
# Data transfer to and from a server

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- Windows and Macintosh REXX programs send and receive data through TCP/IP.
- REXX's string orientation avoids the need for an XDR



# Data Transfer Using REXX



# Remote execution of REXX programs on a server

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- PCs and Macintoshes can send program strings to the server for remote execution
- Commands can be sent from the server back to the client
- The remotely executing program's variable pool is accessible on the client

# Remote execution of REXX programs on a UNIX server

