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SimpleTCPNetwork
  The following four events can be seen by the program and indicates
  when specific events occur
      newTCPConnection - when a client connects to a server
                           (contains an id that can be used to identify this
client)
       closeTCPConnection - when a client (or server) shuts down the
connection
                           (contains id that is now gone)
       tcpConnectionFailed - if client cannot connect to the remote system
                             (no connection was made, hence no remote id)
      newTCPMessage - when any connection now has new data ready for it
                           (contains an id that indicates who now has new
data)
    Event newTCPConnection(ByVal conn As Integer)
    Event closedTCPConnection(ByVal conn As Integer)
    Event tcpConnectionFailed()
    Event newTCPMessage(ByVal conn As Integer)
   status() - Allow read access to the debug message
   ReadOnly Property status() As String
   serverRunning - True/False
       Indicate if the server is running and ready for connections
   ReadOnly Property serverRunning() As Boolean
   numConnections
   Return the number of connections to other systems
   (most useful for server applications)
   ReadOnly Property numConnections() As Integer
   StartServer
       Start listening for clients to connect to a specific port
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(port is 8080 by default)

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Sub StartServer(Optional ByVal port As Integer = 8080)
       StopServer
       Stop listening for new connections
Sub StopServer()
      StartClient
      Connect to a server, given it's hostname and port
       (defaults to connecting on the server on the same system)
      Technically, the system can be a client and a server at the same time
Function StartClient(Optional ByVal host As String = "localhost", ]
                                  Optional ByVal port As Integer = 8080) As
Boolean
      SendMessageToAll
       Send a single string to all remote systems
Sub SendMessageToAll(ByVal str As String)
     SendMessageToAllExcept
       Send a message to all other systems except one specific one
       (say like for a repeater application)
Sub SendMessageToAllExcept(ByVal str As String, ByVal who As Integer)
       SendMessageTo
       Send a string to a specific connection (given by an id)
Sub SendMessageTo(ByVal str As String, ByVal who As Integer)
      CloseConnection(id)
      Given an id, close that specific connection
Sub CloseConnection(ByVal who As Integer)
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CloseConnection()
       If passed with no arguments, close ALL of the connections
       (name is "closeConnection" to make sense for client mode)
Sub CloseConnection()
      GetMessage(id)
      Retreive the next message in the queue for a specific connection
Function GetMessage(ByVal who As Integer) As String
      GetMessage()
      Get the next message from any client
       (note: always searches from the first client, so you could starve the
later ones)
       (this function is more for client mode than server
Function GetMessage() As String
      GetMessage(name)
      Get the next message from any client and return the name of client
       at the same time
       (note: always searches from the first client, so you could starve the
later ones)
Function GetMessage(ByRef name As String) As String
      GetMessage(str,id)
      Get the next message from any client and return the id of client
      at the same time
       (note: always searches from the first client, so you could starve the
later ones)
Sub GetMessage(ByRef str As String, ByRef who As Integer)
      Name(id)
      Return a string representing the name of the client
       (Returns an empty string if the id is invalid)
Function Name(ByVal who As Integer) As Boolean
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HasMessages(id)
      Returns true if there are incoming messages waiting to be retreived
for
       the connection with "id"
       (Returns false if id is not valid)
Function HasMessages(ByVal who As Integer) As Boolean
      HasMessages()
       Indicate if ANY connetion has a message that needs read
Function HasMessages() As Boolean
      myipaddr(#)
      Given a number, return a string representing the corresponding ip
address
Function myipaddr(ByVal entrynum) As String
      myipaddr()
      Return a string representing (one of) my ip address
      Make sure that it is an IP address (and not IPv6 or some other proto)
Function myipaddr() As String
      mydnsname
      Return a string representing the name of my system by using DNS
Function mydnsname() As String
```