

Check if computer is connected to the internet

I found this snippet long ago on a site called delphi3000 but the site does not exist anymore. This code needs some work. It is supposed to check for a specific URL is online or not. It does not work as intended. It works to determine if the computer is connected or not.

```
function IsConnected: Boolean;
const
    // Local system has a valid connection to the Internet, but it might or might
    // not be currently connected.
    INTERNET_CONNECTION_CONFIGURED = $40;

    // Local system uses a local area network to connect to the Internet.
    INTERNET_CONNECTION_LAN = $02;

    // Local system uses a modem to connect to the Internet
    INTERNET_CONNECTION_MODEM = $01;

    // Local system is in offline mode.
    INTERNET_CONNECTION_OFFLINE = $20;

    // Local system uses a proxy server to connect to the Internet
    INTERNET_CONNECTION_PROXY = $04;

    // Local system has RAS installed.
    INTERNET_RAS_INSTALLED = $10;

var
    InetState: DWORD;
    hHttpSession, hReqUrl: HInternet;
begin
    Result:= InternetGetConnectedState(@InetState, 0);
    if (
        Result
        and
        (
            InetState and INTERNET_CONNECTION_CONFIGURED
            = INTERNET_CONNECTION_CONFIGURED)
        ) then
        begin
            // so far we ONLY know there's a valid connection. See if we can grab some
            // known URL ...
            hHttpSession:= InternetOpen(
                PChar(Application.Title), // this line is the agent string
                INTERNET_OPEN_TYPE_PRECONFIG, nil, nil, 0
            );
            try
                hReqUrl:= InternetOpenURL(
                    hHttpSession,
                    PChar('http://www.example.com'{ the URL to check })),
                    nil,
                    0,
                    0,
                    0
                );
                Result := hReqUrl <> nil;
                InternetCloseHandle(hReqUrl);
            finally
                InternetCloseHandle(hHttpSession);
            end;
        end
    else
        if (
            InetState and INTERNET_CONNECTION_OFFLINE = INTERNET_CONNECTION_OFFLINE
        ) then
            Result := False; // we know for sure we are offline.
    end;
```

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