

```

-- Philippe lacomme
-- 31 Dec. 2004
-- revised : avril. 2005
-- Ada program example to download an html page from the web

-- Caution.
--
-- This is a demonstration how to use the adasocket library
--
-- Because I am not very font in http protocole, it is possible you expect some trouble
-- with another web server.
--
with Sockets, Text_Io, Sequential_IO;
    use Text_Io, Sockets;

procedure UTILISE is
    Sock          : Sockets.Socket_FD;
    Port          : Positive:=80;
    Un_Fichier    : File_Type;

    package P_FICHER_CODE is new Sequential_IO (character);
    use P_FICHER_CODE;
    UN_FICHER2    : P_FICHER_CODE.File_Type;

    package P_Mes_Entiers is new Integer_io(Integer);
    use P_Mes_Entiers;
    Somme : natural;

begin
    Sockets.Socket(Sock, AF_INET, SOCK_STREAM);
    -- connection au serveur HTTP
    Connect(Sock, "bermudes.univ-bpclermont.fr", Port);
    -- envoie d'une requete
    Put_Line(Sock, "GET / HTTP/2.0");
    Put_Line(Sock, "Host: bermudes.univ-bpclermont.fr");
    Put_Line(Sock, "Accept: jpg, pictures/gif, pics/jpg, pics/gif, image/x-xbitmap, pics/jpeg,
image/pjpeg, image/png, */*");
    Put_Line(Sock, "");

    create(UN_FICHER2, Out_File, "c:\rapatrie.html");
    loop
        declare
            Bufferl1 : String := Sockets.Get_line(Sock);
        begin
            put_line("");
            Put_Line(Bufferl1);
            exit when Bufferl1'length=0;
        end;
    end loop;

    Somme := 0;
    loop
        begin
            declare
                Buffer : String := Sockets.Get(Sock);
                longueur : positive;
            begin
                Put("We received "); Put(Buffer'Length); Put(" octects"); New_Line;
                Somme := Somme + Buffer'length;
                for i in 1.. Buffer'length loop
                    write(Un_Fichier2, Buffer(i));
                end loop;
            end;
        exception
            when others => exit;
        end;
    end loop;
    close(UN_FICHER2);
    shutdown(Sock);
    Put_line("Connection closed...");
    Put("Total number of octects received : "); Put(Somme); New_Line;
end UTILISE ;

```