

```
System.Net.WebClient client=new WebClient();
byte[] page=client.DownloadData("http://www.google.com");
string content=System.Text.Encoding.UTF8.GetString(page);
```

在dotnet下经常使用此类方法：

```
string hostName="www.nnn.net";
label1.Text="xxx";
int port=80;
IPHostEntry ipInfo=Dns.GetHostByName(hostName);
//??IPAddress[]
IPAddress[] ipAddr=ipInfo.AddressList;
//??ip
IPAddress ip=ipAddr[0];
IPEndPoint hostEP=new IPEndPoint(ip,port);
Socket socket=new Socket(AddressFamily.InterNetwork,
SocketType.Stream,ProtocolType.Tcp);
socket.Connect(hostEP);
string sendStr="GET "+"/tryst/default.asp"+" HTTP/1.1rnHost:
" +
hostName + "rnConnection: Closernrn";
//??bytes??????????
byte[] bytesSendStr=new byte[1024];
//????????????????byte??
bytesSendStr=Encoding.ASCII.GetBytes(sendStr);
socket.Send(bytesSendStr,bytesSendStr.Length,0);
//??????????????
string recvStr="";
//????????????????????1024??
byte[] recvBytes=new byte[1024];
//????????????????
int bytes=0;
//????????????????????
while(true)
{
bytes=socket.Receive(recvBytes,recvBytes.Length,0);
//??????????????
```

```
if (bytes <= 0)
break;
//????????????
recvStr += Encoding.ASCII.GetString(recvBytes, 0, bytes);
}
```

socket 方式以及模型：

不能看出跟程序的匹配，下载都是客户机的机制，解释出地址后，声明socket，发送一段报文，返回信息。

报文string sendStr="GET "+"/tryst/default.asp"+" HTTP/1.1\r\nHost: " + hostName + "\r\nConnection: Close\r\n";

用get方式，得到网站里的某一个页面，如果想得到网页信息与webclient一样可以用正则表达式。