
Subject: TcpSocket::Connect now prefers IPv4 over IPv6

Posted by [mirek](#) on Tue, 23 Oct 2012 13:18:23 GMT

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After encountering the first site with IPv6 support, which did not go that well (I suspect network issues), I have for now changes Tcp::Connect to prefer IPv4 connection when available

```
bool TcpSocket::RawConnect(addrinfo *arp)
{
    if(!arp) {
        SetSockError("connect", -1, "not found");
        return false;
    }
    for(int pass = 0; pass < 2; pass++) {
        addrinfo *rp = arp;
        while(rp) {
            if(rp->ai_family == AF_INET == !pass && // Try to connect IPv4 in the first pass
               Open(rp->ai_family, rp->ai_socktype, rp->ai_protocol)) {
                if(connect(socket, rp->ai_addr, (int)rp->ai_addrlen) == 0 ||
                   GetErrorCode() == SOCKERR(EINPROGRESS) || GetErrorCode() ==
SOCKERR(EWOULDBLOCK)
                ) {
                    mode = CONNECT;
                    return true;
                }
                Close();
            }
            rp = rp->ai_next;
        }
    }
    SetSockError("connect", -1, "failed");
    return false;
}
```