

GINA and network providers

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.win2000.security/2002-10/10511.html>

From: Jacek Trzcinski (jacek@certum.pl)

Date: 10/30/02

From: Jacek Trzcinski <jacek@certum.pl>

Date: Wed, 30 Oct 2002 15:30:07 +0100

Hello !

I created custom GINA (as a matter of fact it is msgina.dll stub but I utilize almost nothing from original msgina.dll) allowing logon to workstation (NT, 2000, XP) by smart card. Unfortunately I have problem with network providers – here with Novell client. After successful logon to workstation Novell client dialog box appears and ask among others about username and password. I have to say here that my GINA does not return user password informations to multiple providers (Novell client among others) in PWLX_MPR_NOTIFY_INFO structure in WlxLoggedOutSas function (As I have read it is not necessary. It would be necessary if username and password to workstation were the same as for network server for example to simplify logon process).

I set fields of mentioned structure as follows:

```
pMprNotifyInfo->pszUserName =DupString(pszUsername);  
pMprNotifyInfo->pszDomain = DupString(pszDomain);  
pMprNotifyInfo->pszPassword = NULL;  
pMprNotifyInfo->pszOldPassword = NULL;
```

where,

pszUsername is set to user name who successfully logged to workstation.
pszDomain I set either from UserModalsGet(NULL,2,&umi2) function where umi2 is USER_MODAL_S_INFO_2 type or if mentioned function is unsuccessful I set pszDomain to "."

The same values I set in WlxNetworkProviderLoad function.

Returning to logon process to Novell, after typing user name and password in Novell client dialog box , after few seconds I get workstation desktop and I can work. Novell client icon is visible in taskbar notification area but unfortunately I have no any mapped Novell disks. All looks like I was not logged to Novell server. However if I utilize Novell client now (during normally working system) and choose login process I get the same logon dialog box as previously and now after typing user name and password I get window in which I can see

microsoft.public.win2000.security: GINA and network providers

whole logon process to Novell, where among others there is process of mapping Novell disks. After this I have additional disks in system. With original msgina.dll all is OK.

What can cause such situation ?

Thanks in advance

Best regards

Jacek