

# Re: Problem Printing using IWebBrowser2 from IWAM Account on Server 2003

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet.webcontrols/2005-09/msg001>

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- *From:* "ScottLR" <ScottLR@xxxxxxxxxxxxxxxxxx>
  - *Date:* Mon, 19 Sep 2005 15:34:11 -0700
- 

Hi Steven,

LoadUserProfile does not appear to help. I am testing as follows:

- > |> | 1. a new account is created on 2003 in the ADMINISTRATORS group.  
> |> |
- > |> | 2. The administrator invokes cmd.exe using "run as" with the new  
> |> | account.
- > |> |
- > |> | 3. The code will display the printer selection dialog and prints  
> |> | successfully.
- > |> |
- > |> | 4. The new account is used to log into 2003 server and logs out.  
> |> |
- > |> | 5. The administrator invokes cmd.exe using "run as" with the new  
> |> | account.
- > |> |
- > |> | 6 The code will NOT display the printer selection dialog and prints  
> |> | successfully.

I am successfully calling LoadUserProfile and then UnLoadUserProfile in the process before attempting to print. The calls succeed. However, it still fails to suppress the printer selection dialog., even if I try it again afterwards. It appears, that something other than running LoadUserProfile may be necessary to suppress the printer selection dialog when the Webbrowser control is invoked from a process owned by a user who has not logged on via control alt delete. Again, if I log in using control alt delete, then the printer selection dialog does not display.

This is the code I am running to call LoadUserProfile. There do not appear to be errors.

```
PROFILEINFO profileInfo;
```

```
ZeroMemory( &profileInfo, sizeof(profileInfo) );  
profileInfo.dwSize = sizeof(profileInfo);
```

```
//memset(&profileInfo, 0, sizeof(PROFILEINFO));
//profileInfo.dwSize = sizeof(PROFILEINFO);

//strcpy(profileInfo.lpUserName, szUserName);
profileInfo.lpUserName = szUserName;
// profileInfo.lpUserName = "CVC";
profileInfo.dwFlags = PI_NOUI;
```

BOOL ret;

```
try
{
ret = LoadUserProfile(
hToken,
&profileInfo
);
}
catch(...)
{
DWORD err = GetLastError();
return FALSE;
}
```

```
if (ret == 0)
{
DWORD err = GetLastError();
int a = 1;
AfxMessageBox("failed");
}
```

```
// Unload the profile when it is no longer needed
if ( !UnloadUserProfile(
hToken, // token for the user
profileInfo.hProfile ) ) { // registry key handle
GetLastError();
}
```

--

Thank you,

Scott

"Steven Cheng[MSFT]" <stcheng@xxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:LQeUIKPvFHA.768@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:LQeUIKPvFHA.768@xxxxxxxxxxxxxxxxxxxxxxxx)

> Hi Scott,

>

> The LoadUserProfile API will take an Handle object as input which

> represent

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> of the account's logon session token for which you'd like to load the user  
> profile.

>  
> BOOL LoadUserProfile(  
> HANDLE hToken,  
> LPPROFILEINFO lpProfileInfo  
> );

>  
> Also, we can get a Token object from the current running thread or  
> process,  
> the following WIN32 api just provide such functionality:

>  
> BOOL OpenProcessToken(  
> HANDLE ProcessHandle,  
> DWORD DesiredAccess,  
> PHANDLE TokenHandle  
> );

>  
> bool OpenThreadToken(  
> DWORD dwDesiredAccess,  
> bool bImpersonate = false,  
> bool bOpenAsSelf = true,  
> SECURITY\_IMPERSONATION\_LEVEL sil = SecurityImpersonation  
> ) throw(...);

>  
> Thus, we don't need to manually call logonUser API with cleartext  
> username/password to establish a logon session/token

>  
> Thanks,

>  
> Steven Cheng  
> Microsoft Online Support

>  
> Get Secure! [www.microsoft.com/security](http://www.microsoft.com/security)  
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> rights.)

> -----

> | From: "ScottLR" <ScottLR@xxxxxxxxxxxxxxxxxx>  
> | References: <OhGfBaVuFHA.1572@xxxxxxxxxxxxxxxxxxxxxxxx>  
> | <JQeKPQeuFHA.580@xxxxxxxxxxxxxxxxxxxxxxxx>  
> | <#\$\$sNRhuFHA.2960@xxxxxxxxxxxxxxxxxxxxxxxx>  
> | <4F37LuouFHA.3020@xxxxxxxxxxxxxxxxxxxxxxxx>  
> | Subject: Re: Problem Printing using IWebBrowser2 from IWAM Account on  
> | Server 2003  
> | Date: Fri, 16 Sep 2005 08:48:32 -0700

Re: Problem Printing using IWebBrowser2 from IWAM Account on Server 2003

> | Lines: 197  
> | X-Priority: 3  
> | X-MSMail-Priority: Normal  
> | X-Newsreader: Microsoft Outlook Express 6.00.2900.2180  
> | X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180  
> | X-RFC2646: Format=Flowed; Original  
> | Message-ID: <eo6MeYtuFHA.3388@xxxxxxxxxxxxxxxxxxxxxx>  
> | Newsgroups: microsoft.public.dotnet.framework.aspnet.webcontrols  
> | NNTP-Posting-Host: adsl-63-201-229-153.dsl.snfc21.pacbell.net  
> | 63.201.229.153  
> | Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP10.phx.gbl  
> | Xref: TK2MSFTNGXA01.phx.gbl  
> | microsoft.public.dotnet.framework.aspnet.webcontrols:10864  
> | X-Tomcat-NG: microsoft.public.dotnet.framework.aspnet.webcontrols  
> |  
> | Steven,  
> |  
> | We do not see the printer selection dialog. However, the process stops.  
> | We  
> | know the dialog displays because when performing a "run as" with a user  
> | that  
> | has not logged on manually, the printer selection dialog displays.  
> |  
> | I am inclined to agree that running LoadUserProfile will solve the  
> | issue.  
> | How can I run this for the IWAM account if I do not know its password?  
> |  
> |  
> | Scott  
> |  
> | "Steven Cheng[MSFT]" <stcheng@xxxxxxxxxxxxxxxxxxxxxx> wrote in message  
> | [news:4F37LuouFHA.3020@xxxxxxxxxxxxxxxxxxxxxx](mailto:news:4F37LuouFHA.3020@xxxxxxxxxxxxxxxxxxxxxx)  
> | > Thanks for your response Scott,  
> | >  
> | > OK. So you've used a custom COM component in your asp page(not asp.net  
> | > yes?) and try printing in that component, and there'll always occur  
> | > printer  
> | > selection dialog if you haven't interactively logon through that  
> | > service  
> | > account on the server yet ,yes?  
> | >  
> | > One thing I'm still confused is since the ASP's page processing thread  
> | > running in a daemon process belonging to a non displayable windows  
> | > station,  
> | > how could you see the Printer selection dialog? It's only possible for  
> | > us  
> | > to see such UI in application running interactively or in a visible  
> | > windows  
> | > station.  
> | >  
> | > Anyway, from the symptom of the issue, I think it's likely due to the

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> |> USERPROFILE of your IWAM(or other custom account) account. when we  
> |> interactively logon , the certain user/account's User Profile is  
> loaded,  
> |> then the Printer selection dialog won't appear. You can try using the  
> |> LoadUserProfile win32 API to manually load the userProfile of your  
> |> process's account to see whether it helps.  
> |>  
> |> Thanks,  
> |>  
> |> Steven Cheng  
> |> Microsoft Online Support  
> |>  
> |> Get Secure! [www.microsoft.com/security](http://www.microsoft.com/security)  
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> |> rights.)  
> |>  
> |>  
> |> -----  
> |> | From: "ScottLR" <ScottLR@xxxxxxxxxxxxxxxxxxxx>  
> |> | References: <OhGfBaVuFHA.1572@xxxxxxxxxxxxxxxxxxxxxxxx>  
> |> | <JQeKPQeuFHA.580@xxxxxxxxxxxxxxxxxxxxxxxx>  
> |> | Subject: Re: Problem Printing using IWebBrowser2 from IWAM Account  
> on  
> |> Server 2003  
> |> | Date: Thu, 15 Sep 2005 09:41:11 -0700  
> |> | Lines: 114  
> |> | X-Priority: 3  
> |> | X-MSMail-Priority: Normal  
> |> | X-Newsreader: Microsoft Outlook Express 6.00.2900.2180  
> |> | X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2900.2180  
> |> | X-RFC2646: Format=Flowed; Original  
> |> | Message-ID: <#\$\$sNRhuFHA.2960@xxxxxxxxxxxxxxxxxxxxxxxx>  
> |> | Newsgroups: microsoft.public.dotnet.framework.aspnet.webcontrols  
> |> | NNTP-Posting-Host: adsl-63-201-229-153.dsl.snfc21.pacbell.net  
> |> | 63.201.229.153  
> |> | Path:  
> |> | TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP08.phx.gbl!tk2msftngp13.phx.gbl  
> |> | Xref: TK2MSFTNGXA01.phx.gbl  
> |> | microsoft.public.dotnet.framework.aspnet.webcontrols:10848  
> |> | X-Tomcat-NG: microsoft.public.dotnet.framework.aspnet.webcontrols  
> |> |  
> |> | Steven,  
> |> |  
> |> | 1. It is running serverside through a com component in an ASP page.  
> |> |  
> |> | 2. Agreed.  
> |> |  
> |> | The issue can also be demonstrated as follows:  
> |> |  
> |> | 1. a new account is created on 2003 in the administrators group.  
> |> |

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> |> | 2. The administrator invokes cmd.exe using "run as" with the new  
> |> account.  
> |> |  
> |> | 3. The code will display the printer selection dialog and prints  
> |> | successfully.  
> |> |  
> |> | 4. The new account is used to log into 2003 server and logs out.  
> |> |  
> |> | 5. The administrator invokes cmd.exe using "run as" with the new  
> |> account.  
> |> |  
> |> | 6 The code will NOT display the printer selection dialog and prints  
> |> | successfully.  
> |> | --  
> |> |  
> |> | Thank you,  
> |> |  
> |> | Scott  
> |> | Software995 Support  
> |> |  
> |> | "Steven Cheng[MSFT]" <stcheng@xxxxxxxxxxxxxxxxxxxxxx> wrote in message  
> |> | [news:JOeKPOeuFHA.580@xxxxxxxxxxxxxxxxxxxxxx](mailto:news:JOeKPOeuFHA.580@xxxxxxxxxxxxxxxxxxxxxx)  
> |> |> Hi Scott,  
> |> |>  
> |> |> Welcome to MSDN newsgroup.  
> |> |> From your description you're using some c++ unmanaged code to do  
> |> |> printing  
> |> |> work for a web page. Also, you got some problem when printing,  
> |> |> since  
> |> |> there'll occur the print setting dialog sometimes.  
> |> |>  
> |> |> As for your problem, I'd like to confirm the following things:  
> |> |>  
> |> |> 1. Is your printing code running in a activex control or at  
> |> |> serverside  
> |> |> through COM component in asp page?  
> |> |>  
> |> |> 2. If running in ActiveX control, since Activex Control is rich  
> |> |> client  
> |> |> component which running at clientside, I think it won't care about  
> |> |> the  
> |> |> IWAM  
> |> |> account since IWAM account is a serverside account used to running  
> |> |> IIS  
> |> |> application.  
> |> |>  
> |> |> Please feel free to let me know if there're anything I  
> |> |> misunderstand.  
> |> |> Thanks,  
> |> |>  
> |> |> Steven Cheng

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> |> |>  
> |> |>  
> |> |>  
> |> |> -----  
> |> |> | From: "ScottLR" <ScottLR@xxxxxxxxxxxxxxxxxxx>  
> |> |> | Subject: Problem Printing using IWebBrowser2 from IWAM Account  
> on  
> |> Server  
> |> |> 2003  
> |> |> | Date: Wed, 14 Sep 2005 11:02:38 -0700  
> |> |> | Lines: 23  
> |> |> | X-Priority: 3  
> |> |> | X-MSMail-Priority: Normal  
> |> |> | X-Newsreader: Microsoft Outlook Express 6.00.2900.2180  
> |> |> | X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180  
> |> |> | X-RFC2646: Format=Flowed; Original  
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> |> |> | Newsgroups: microsoft.public.dotnet.framework.aspnet.webcontrols  
> |> |> | NNTP-Posting-Host: adsl-63-201-229-153.dsl.snfc21.pacbell.net  
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> |> |> | TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP10.phx.gbl  
> |> |> | Xref: TK2MSFTNGXA01.phx.gbl  
> |> |> | microsoft.public.dotnet.framework.aspnet.webcontrols:10832  
> |> |> | X-Tomcat-NG:  
> |> |> | microsoft.public.dotnet.framework.aspnet.webcontrols  
> |> |> |  
> |> |> | The code below successfully invokes printing from an ASP page.  
> |> |> |  
> |> |> | If I run the code before a user manually logs in as the IWAM  
> |> |> | account,  
> |> |> | the  
> |> |> | printer selection dialog is unfortunately displayed. If I have  
> |> |> | logged  
> |> |> | into  
> |> |> | the IWAM account and logged out, then the printer selection  
> |> |> | dialog  
> |> |> | does  
> |> |> | not  
> |> |> | display.  
> |> |> |  
> |> |> | I do not want the printer selection dialog to display. Logging  
> |> |> | into  
> |> |> | the  
> |> |> | IWAM



Re: Problem Printing using IWebBrowser2 from IWAM Account on Server 2003

◇ *From: Steven Cheng[MSFT]*

◆ ***Re: Problem Printing using IWebBrowser2 from IWAM Account on Server 2003***

◇ *From: ScottLR*

◆ ***Re: Problem Printing using IWebBrowser2 from IWAM Account on Server 2003***

◇ *From: Steven Cheng[MSFT]*

- Prev by Date: ***Re: Custom web control in a repeater***
- Next by Date: ***pop Up Window from .cs file***
- Previous by thread: ***Re: Problem Printing using IWebBrowser2 from IWAM Account on Server 2003***
- Next by thread: ***Re: Problem Printing using IWebBrowser2 from IWAM Account on Server 2003***
- Index(es):
  - ◆ ***Date***
  - ◆ ***Thread***