

Re: Issue with ASP.NET client, COM Interop, and Identity impersonation

Source: <http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework/2004-10/0219.html>

From: Anil Krishnamurthy (*akrishnamurthy_at_nospam.air-worldwide.com*)

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I was trying to use that diagram to describe the problem and looks like there was some problem formatting it properly.

This is what the web.config looks like

```
<identity impersonate="true" userName="Domain\UserName"
password="password"/>
```

When I print the identities on ASP.NET side and COM object side, this is what I get.

```
[ASP.NET]
Domain\UserName
```

```
[COM]
Machine\IUSR_Machine
```

When I switch off impersonation, the identity on COM side is

```
[COM]
Machine\ASPNET
```

Hope I have made it clear now ;) So, either way, the code in COM object runs under a local machine account and thus, cannot access network resource.

Thanks
Anil

"Willy Denoyette [MVP]" <willy.denoyette@pandora.be> wrote in message news:emzER8hqEHA.1164@TK2MSFTNGP10.phx.gbl...

> *ASPNET*, that means that your config file is not like you said in your
> *original post*.

> / *snip*

> *ASP.NET*

> {*Web app*} -----*Interop* ----->{*COM Library*}

> (*Domain\NetworkUser*)

> (LocalHost\IUSR_MachineName)
> /end snip
>
> Here you say that asp.net runs as (Domain\NetworkUser), but this is not
the
> case. So please change your web.config file to run the worker process as
> Domain\NetworkUser.
>
> Willy.
>
>
> "Anil Krishnamurthy" <akrishnamurthy@nospam.air-worldwide.com> wrote in
> message news:%23udstyhqEHA.4008@TK2MSFTNGP14.phx.gbl...
> >
> > "Willy Denoyette [MVP]" <willy.denoyette@pandora.be> wrote in message
> > news:e1wifEGqEHA.376@TK2MSFTNGP14.phx.gbl...
> >> With impersonation turned off, all threads in the asp.net worker
process
> >> use the process token when accessing remote resources, and because your
> >> in-proc COM object runs in the same security context of the caller (the
> >> executing thread) it will use the same token, problem solved.
> >
> > When impersonation is turned off, the identity is ASPNET and since that
is
> > a
> > local account, how can you access remote resources?
> >
> >> About your "aspcompat" remark. If your COM object is a threadingmodel =
> >> apartment type object (STA) you better run in "aspcompat" mode.
> >> If you don't, your object will run on the default STA thread provided
by
> > the
> >> asp.net worker process, this will negatively impact the performance as
> >> all
> >> calls have to get marshaled.
> >> Just curious, why can't you set aspcompat=true?
> >
> > Actually, the web application team informed me that they have switched
to
> > AspCompat mode and it does not help much. The problem is that the call
to
> > COM object comes from Java script and identity impersonation does not
work
> > in this case. I mentioned that AspCompat flag could not used because
there
> > is another application, a web service, that uses the same set of COM
> > objects.
> >
> > Anil
> >
> >>

> >> *"Anil Krishnamurthy" <akrishnamurthy@nospam.air-worldwide.com> wrote in*
> >> *message news:007jprAqEHA.3760@TK2MSFTNGP09.phx.gbl...*
> >>>
> >>> *"Willy Denoyette [MVP]" <willy.denoyette@pandora.be> wrote in message*
> >>> *news:eYcNdGAqEHA.1816@TK2MSFTNGP09.phx.gbl...*
> >>>>
> >>>> *How is that possible? if asp.net is running in a domain identity*
> > *context*
> >>> *AND*
> >>>> *you don't have impersonation enabled, the in-proc COM object should*
> >>>> *run*
> >>>> *with*
> >>>> *the same domain user's credentials, where else would the local*
account
> >>>> *identity come from?*
> >>>>
> >>>>
> >>>> *Impersonation is enabled in Web.config and it is set to use a domain*
> >>>> *account. But on COM object side, when I try to get the user name, it*
is
> >>>> *IUSR_MachineName and that is not what I want. Also, I cannot use*
> >>>> *AspCompat="true".*
> >>>>
> >>>> *Anil*
> >>>>
> >>>>
> >>>
> >>>
> >>
> >
> >
>
>
>