

Re: W2K/WMI service (WinMgmt.exe) accessing an ODBC connection

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.wmi/2004-08/0178.html>

From: Roger Abell (*mvpNOspam_at_asu.edu*)

Date: 08/20/04

Date: Fri, 20 Aug 2004 07:56:00 -0700

If a SQL account is used then the only thing needed on the machine running SQL is SQL login and database grants.

If integrated, then in addition, I have seen the account need login rights on the machine.

If this is your code, one way to work through this is to get your WMI event code to use explicit SQL account when it establishes connection to SQL. Once this is working under those credentials, then changing this to use trusted connection means you will know that you are debugging only the flow of this identity running the process to the SQL machine and into the database – as the use of the SQL internal account established all else as working.

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Roger Abell
Microsoft MVP (Windows Server System: Security)
MCSE (W2k3,W2k,Nt4)  MCDBA
"Roger Abell [MVP]" <mvpNoSpam@asu.edu> wrote in message
news:efwntUMhEHA.3944@tk2msftngpl3.phx.gbl...
> A computer principal will have no rights beyond itself if not in
> a domain.
> The ODBC configuration dialog you mention is asking for
> an identity to use while defining the connection.  It is not
> the identity that will be used when the connection is used.
> When the application instances the connection it can provide
> credential to be used if those are for a SQL account.  If one
> uses windows integrate security, then the identity the owns
> the process where the connection is established is what is
> used.  Either way, a Windows identity or a SQL account,
> that identity needs to have been granted the needed login
> and database permissions in SQL.
>
> --
> Roger Abell
> Microsoft MVP (Windows Server System: Security)
> MCDBA,  MCSE W2k3+W2k+Nt4
> "Anthony LaMark" <anthony@eXcSoftware.com> wrote in message
> news:OuiLEQGHhEHA.2812@tk2msftngpl3.phx.gbl...
> > Hi,
> >
> > Thank you for these suggestions:
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microsoft.public.win32.programmer.wmi: Re: W2K/WMI service (WinMgmt.exe) accessing an ODBC connection

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> >
> > Solution 1 would cause a lot of "development" reworking so for now I
would
> > like to pursue your second solution.
> >
> > The problem I have now is in modifying the ODBC connection. The ODBC
> > configuration dialog allows me to select either:
> > "With Windows NT authentication using the network login ID" or
> > "With SQL Server authentication using a login ID and password entered
by
> > the user"
> >
> > If I use "With Windows NT authentication using the network login ID",
how
> > can I get the ODBC to use the computers security principal since the
ODBC
> > configuration dialog does not allow me to specify the user? Given that,
> > won't the ODBC connection use the LocalSystem account since that is what
> > WMI
> > is running as [i.e. the original problem?
> >
> > If I use "With SQL Server authentication using a login ID and password
> > entered by the user", how can I (doing the ODBC connection
configuration)
> > and the SQL sys. admin (specifying the computer principal as a valid
user
> > for the database instance) know the password of the computers security
> > principal?
> >
> > Thanks in advance.
> >
> > "Ivan Brugiolo [MSFT]" <ivanbrug@online.microsoft.com> wrote in message
> > news:u4Ohi76gEHA.384@TK2MSFTNGP10.phx.gbl...
> >> WinMgmt was never tested in a different than LocalSystem account,
> >> and, your mileage in running it as a different account can vary.
> >> [BTW, in Win2000-SP4, the ability to run the WinMgmt.exe process
> >> as a standalone DCOM server has been removed to avoid these problems].
> >>
> >> For your problem, there are conceptually 2 solutions:
> >> - make the Event-Provider a standalone provider,
> >> and run that standalone DCOM component in a service (already
suggested).
> >> - enable Mixed-Mode or Windows Authentication in the SQL server,
> >> be sure you have a Kerberos authentication infrastructure in place,
> >> and use the machine account (MachineName$)
> >> as the account who performs the query.
> >>
> >> Starting Win2000, the machine accounts are security principals,
> >> and they can be treated as such.
> >>
> >> --
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> >>
> >> "Anthony LaMark" <anthony@eXcSoftware.com> wrote in message
> >> news:eT0MZqZgEHA.596@TK2MSFTNGP11.phx.gbl...
> >> > Hi All,
> >> >
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