

Re: Decrypting from replicated table

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2006-01/msg00104.html>

- *From:* "Laurentiu Cristofor [MSFT]" <laur@xxxxxxxxxx>
 - *Date:* Thu, 19 Jan 2006 11:35:41 -0800
-

Don't drop the original symmetric key before re-encrypting, you will need it to decrypt the existing data. Otherwise, this will be indeed the process: create new key using the params, decrypt with old key and reencrypt with the new one, then in the replicated database recreate the key from the same params.

Thanks

—

Laurentiu Cristofor [MSFT]
Software Design Engineer
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<http://blogs.msdn.com/lcris/>

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"Arnel" <Arnel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:A68460ED-9912-40AC-9788-9A1C5E2FD15E@xxxxxxxxxxxxxxxxxxxx>

> Thank you for the clarification. However, please correct my understanding
> here:

>

> 1. I will need to drop my existing, original symmetric key and recreate
> using the KEY_SOURCE and IDENTITY_VALUE params.

>

> 2. I will then need to "re-encrypt" my data using that new symmetric key

>

> 3. In the database, with the replicated table, I will need to create a
> new

> symmetric key using the same params from the original key.

>

> Please clarify any misunderstanding I have about the process. Thanks.

>

> "Laurentiu Cristofor [MSFT]" wrote:

>

>> Use the KEY_SOURCE and the IDENTITY_VALUE parameters of CREATE SYMMETRIC
>> KEY. For additional information, see

>> <http://msdn2.microsoft.com/en-us/library/ms188357.aspx> and the last
>> section

>> of this post: <http://blogs.msdn.com/lcris/archive/2005/10/14/481434.aspx>.

Re: Decrypting from replicated table

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>> --
>> Laurentiu Cristofor [MSFT]
>> Software Design Engineer
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>>
>> "Arnel" <Arnel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
>> news:03E00687-3EB6-4182-AEE3-94C4BC3DA0F7@xxxxxxxxxxxxxxxxxxxx
>> > How can I create the same keys in a different database?
>> >
>> > "Michael Hotek" wrote:
>> >
>> >> You can do a distributed query or you can setup the same master key,
>> >> certificate, and symmetric key on the subscriber.
>> >>
>> >> --
>> >> Mike
>> >> <http://www.solidqualitylearning.com>
>> >> Disclaimer: This communication is an original work and represents my
>> >> sole
>> >> views on the subject. It does not represent the views of any other
>> >> person
>> >> or entity either by inference or direct reference.
>> >>
>> >> "Arnel" <Arnel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
>> >> news:4EF93674-2A25-441B-BDA2-BE3261AC55D1@xxxxxxxxxxxxxxxxxxxx
>> >> > I have a replicated table with an encrypted SSN column. In the
>> >> > source
>> >> > database, we have created the master key, certificate, and symmetric
>> >> > key.
>> >> > Is
>> >> > there a way for me to decrypt the SSN from the replicated table, or
>> >> > do
>> >> > I
>> >> > have
>> >> > to perform a distributed query to the source database in order to
>> >> > get
>> >> > the
>> >> > decrypted SSN?
>> >>
>> >>
>> >>
>>
>>
>>

- **References:**

- ◆ **Re: Decrypting from replicated table**

- ◇ *From:* Michael Hotek

- ◆ **Re: Decrypting from replicated table**

- ◇ *From:* Laurentiu Cristofor [MSFT]

- Prev by Date: **Permission Evaluation**

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