

Re: Replicating database schema changes in "daisy chain" situation

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.replication/2004-11/0737.html>

From: Vijay [MSFT] (vijayts_at_online.microsoft.com)

Date: 11/30/04

Date: Mon, 29 Nov 2004 17:31:12 -0800

I know this scenario works in general. I tried very simple scenario mimicing yours. So can you take a look at these steps to find any significant difference with yours or send me yours if you have one?

```
create database central
create database hub1
create database spoke1
go
exec sp_replicationdboption 'central','merge publish','true'
exec sp_replicationdboption 'hub1','merge publish','true'
use central
go
create table t1(c1 int, c2 int)
exec sp_addmergepublication 'pubname'
exec sp_addpublication_snapshot 'pubname'
exec sp_addmergearticle 'pubname','t1','t1'
exec sp_addmergesubscription
@publication='pubname',@subscriber=@@servername,
@subscriber_db='hub1',@subscriber_type='global'
--Run snapshot and merge between central and hub1
use hub1
go
exec sp_addmergepublication 'pubname'
exec sp_addpublication_snapshot 'pubname'
exec sp_addmergearticle 'pubname','t1','t1'
exec sp_addmergesubscription
@publication='pubname',@subscriber=@@servername,
@subscriber_db='spoke1',@subscriber_type='local'
--Run snapshot and merge between hub1 and spoke1
use central exec sp_repldropcolumn 't1','c2'
--Run merge between central and hub1 and then between hub1 and spoke1
```

```
--
This posting is provided "AS IS" with no warranties, and confers no rights.
OR if you wish to include a script sample in your post please add "Use of
included script samples are subject to the terms specified at
```

microsoft.public.sqlserver.replication: Re: Replicating database schema changes in "daisy chain" situation

<http://www.microsoft.com/info/copyright.htm>

"Tommy" <Tommy@discussions.microsoft.com> wrote in message news:118C7C96-9B41-4FDC-A1D9-A053642DA8E7@microsoft.com...
> We have a setup where SQL Server A servers as a Master database. SQL Server B
> is installed in another country and replicates key master data from server A.
> MSDE Instance C replicates with Server B to receive this master data as well
> as merge data that is shared only between B and C. We recently needed to
> change some column widths. I used the sprocs to add and drop columns to
> recreate the columns with the new widths on server A. When we try to
> replicate this to server B we get an error "The schema script 'exec
> sp_repldropcolumn '[dbo].[<Table Name>]', 'Column Name>', 1' could not be
> propagated to the subscriber." It seems that since server B's tables are in
> publications, the changes cannot be applied from server A. I tried running
> the same SQL statements I ran on server A on server B to make the column
> changes but it tells me that "Schema replication failed because database
> <database name> on server <server> is not the original Publisher of table
> <table name>." (this is returned from the sp_repladdcolumn call).
>
> Any ideas on how to propogate the schema cahnges?
>
> Tommy