

DRS Initialization In Configuration Manager 2012

Article 10/20/2012

DRS Initialization In Configuration Manager 2012

When a site is first installed it establishes an initial synchronization with the sending site so that subsequent data changes are applied to an identical data set as that at the sending site.

By default the first replication group processed is the Replication Configuration group - this group effectively 'bootstraps' the receiving site with the remaining configuration for other replication groups.

The site initializes by sending an 'init' request to the sending site for the desired replication group.

When the sending site receives the 'init' request it uses the bcp application to extract all of the data from the tables that make up the replication group being initialized. At the same time a rowcount of the number of exported rows is also taken and stored in a .rowcount file. This allows the receiving site to ensure it has imported the same number of rows as the sending site exported for import.

The sending site sets the receiving site as a subscriber to the replication group and RCM begins sending any changes to tables in the replication group to the receiving site. The bcp files are replicated to the receiving site via the standard content sender.

Once the bcp files have arrived at the receiving site, RCM on the receiving site is notified of the files in its inbox and begins a cycle of actions for each table in the replication group:

1. Any existing data in the destination table that overlaps with the received data from the sending site is deleted from the table.
2. BCP is used to import the data from the sending site into the receiving site database.
3. After the import has completed the rowcount from the bcp process is compared to the row count in the .rowcount file. Assuming the values match the next table is processed.

Once all the tables have been processed the group status is changed to active and the site begins processing any messages in the queue.

We will also try re-initialization if we see any error on any specific group. When you run replication analyzer it will try auto remediate once and that particular group will be re-initialized.

We can also re-initialize putting a .pub file in RCM.box . The file **<replicationgroupname>.pub works fine for Global Data. But for site-data where the CAS is the subscriber you have to add the sitecode to the file name, so it is like <replicationgroupname>-<sitecode>.pub**, this is so the CAS knows which primary to re-init from.

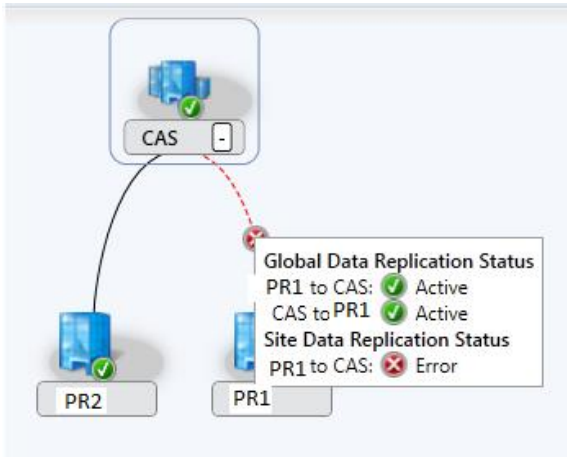
Global data eg: **configuration data.pub => Drop these on Primary server RCM.BOX**

Site Data eg: **hardware_inventory_8-PR1.pub => Drop these on CAS server RCM.BOX**

This is all theory, Now what if it is failing to re-initialize. The question we all have is, where to look and how to track. The remaining part of this document will go through that.

Always **exec spdiagdrs** is always a way to know if the replication is active. I will not be going to the details of the output here but will take you through the flow of re-initialization of a particular group.

Once we find that a particular group is having error in the output of **spdiagdrs** you will find that the following in the hierarchy information as well



This means that there is a Site data replication issue. Also under monitoring you will find the same information with a Link error for site data with Link error

So now to solve this we will re-initialize the group and track the flow. In this I am taking hardware_inventory_8 as an example. To re-initiate a specific group there are various method the safe method according to me is to put <Groupname>-<SITECODE>.pub in our case eg : hardware_inventory_8-PR1.pub

I enable enhanced logging to get more information so that it will be helpful to understand what happened when we see error again and again

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\SMS\Components\SMS_REPLICATION_CONFIGURATION_MONITOR ==>Verbose Logging : 2

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\SMS\Tracing ==>Sqlenabled : 1

We have two kind of logging in ConfigMgr 2012. For DRS initialization we can use the rcmctrl.log and inside the database vlogs view. For the database I used the following query to get the data out of it while I was performing this action.

```
Select * from vLogs where LogTime >GETDATE()-1 and ProcedureName <> 'spDRSSendChangesForGroup' ORDER BY LogTime DESC
```

To re-initialize the group put the file in \Microsoft Configuration Manager\inboxes\rcm.box . In some time we will see that vanishing from the box and the RCM will take control.Once the same happens you will see the following in the rcmctrl.log in CAS

Processing replication group Hardware_Inventory_8. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:02:24 1820 (0x071C)

Current status is Active. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:02:24 1820 (0x071C)

Requesting initialization for replication group Hardware_Inventory_8.
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:02:24 1820 (0x071C)

Checking if initialization request is needed for replication group Hardware_Inventory_8 from site PR1.
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:02:27 1820 (0x071C)

LogLine	LogTime	ComponentName	MachineName	ProcedureName	LogText
429508	02:24.9	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: Received DRS_SubscriptionInvalid from Site CAS for replication group: Hardware_Inventory_8 and fulfilling site: PR1 and requesting site: CAS
429509	02:24.9	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: DRS_SubscriptionInvalid is for full initialization - marking required replication group.
429510	02:24.9	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: Finished processing DRS_SubscriptionInvalid from Site CAS for replication group: Hardware_Inventory_8

Now on the primary server on the rcctrl.log you will see

Processing replication role: DrsReplicationSite, child SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:03 3364 (0x0D24)

Processing replication group Hardware_Inventory_8. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:03 3364 (0x0D24)

Current status is PendingCreation. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:03 3364 (0x0D24)

Checking if we need to create an initialization package for replication group Hardware_Inventory_8 for site CAS.
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:04 3364 (0x0D24)

STATMSG: ID=7802 SEV=I LEV=M SOURCE="SMS Server"
COMP="SMS_REPLICATION_CONFIGURATION_MONITOR" SYS=CMLABPRI.CMLAB.COM SITE=PR1 PID=5060
TID=3364 GMTDATE=Sat Oct 20 09:03:04.342 2012 ISTR0="CAS" ISTR1="Hardware_Inventory_8" ISTR2=""
ISTR3="" ISTR4="" ISTR5="" ISTR6="" ISTR7="" ISTR8="" ISTR9="" NUMATTRS=0
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:04 3364 (0x0D24)

Flushing DRS queue messages coming from CAS for replication group Hardware_Inventory_8.
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:04 3364 (0x0D24)

Changed the status of ConfigMgrDRSSiteQueue to OFF if it exists. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:04 3364 (0x0D24)

Changed the status of ConfigMgrDRSSiteQueue to ON if it exists. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

Files will be copied to directory C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\{a4ba357d-1cb4-408c-9e89-681686974194}. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

Cab File to be sent will be copied to directory C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\CabFiles. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

XML CreateTime: 20-10-2012 09:02:31 LastModifyTime: 20-10-2012 09:02:31
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

Creating version file C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\{a4ba357d-1cb4-408c-9e89-681686974194}\781708.version SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

Creating trackingGuid file C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\{a4ba357d-1cb4-408c-9e89-681686974194}\d74dc244-a526-4387-86b0-efacf67df680.trackingGuid
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

Creating pubName file C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\{a4ba357d-1cb4-408c-9e89-681686974194}\Hardware_Inventory_8-PR1.pubName SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

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Calling BCP out with SELECT BINFILEVERSION00, BINPRODUCTVERSION00, DESCRIPTION00, FILENAME00, FILEPROPERTIESHASH00, FILEPROPERTIESHASHHEX00, FILEVERSION00, LOCATION00, PRODUCT00, PRODUCTVERSION00, PUBLISHER00, STARTUPTYPE00, STARTUPVALUE00, MACHINEID, INSTANCEKEY, TIMEKEY, REVISIONID, AGENTID, ROWVERSION~FROM AUTOSTART_SOFTWARE_HIST where (MachineID between 16777216 and 33554431) , C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\{a4ba357d-1cb4-408c-9e89-681686974194}\AUTOSTART_SOFTWARE_HIST.bcp, C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\{a4ba357d-1cb4-408c-9e89-681686974194}\bcpErrors.errors.
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

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Successfully created BCP file [C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\{a4ba357d-1cb4-408c-9e89-681686974194}\AUTOSTART_SOFTWARE_DATA.bcp] with rows [6] based on SQL query [SELECT BINFILEVERSION00, BINPRODUCTVERSION00, DESCRIPTION00, FILENAME00, FILEPROPERTIESHASH00, FILEPROPERTIESHASHHEX00, FILEVERSION00, LOCATION00, PRODUCT00, PRODUCTVERSION00, PUBLISHER00, STARTUPTYPE00, STARTUPVALUE00, MACHINEID, INSTANCEKEY, TIMEKEY, REVISIONID, AGENTID,

ROWVERSION~FROM AUTOSTART_SOFTWARE_DATA where (MachineID between 16777216 and 33554431)]
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

BCP out result is 0. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

Table XML: <TABLE NAME="AUTOSTART_SOFTWARE_HIST"><COLUMN COLUMN_ID="1"
NAME="BINFILEVERSION00" TYPENAME="nvarchar" TYPEID="231" MAX_LENGTH="510" IS_NULLABLE="1"
HAS_DEFAULTVALUE="0" /><

.....
.....

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:07 3364 (0x0D24)

This shows the BCP out commands being fired and also you will see the files like shown in the figure below. The Version file ,trackinguid file, Errors file ,pubnamefile and then for each table in the group .bcp file and .row count file.

Name	Date modified	Type	Size
25885621.version	10/13/2012 6:51 PM	VERSION File	0 KB
aabf7fb-0861-4635-9645-0ac5e8ce0ebc.tr...	10/13/2012 6:51 PM	TRACKINGUID File	0 KB
bcpErrors.errors	10/13/2012 6:54 PM	ERRORS File	0 KB
Hardware_Inventory_7-B52.pubName	10/13/2012 6:51 PM	PUBNAME File	0 KB
INSTALLED_EXECUTABLE_DATA.bcp	10/13/2012 6:52 PM	SQL Server Replicat...	2,270,301 KB
INSTALLED_EXECUTABLE_DATA.bcp.rowcount	10/13/2012 6:52 PM	ROWCOUNT File	1 KB
INSTALLED_EXECUTABLE_HIST.bcp	10/13/2012 6:52 PM	SQL Server Replicat...	339,079 KB
INSTALLED_EXECUTABLE_HIST.bcp.rowcount	10/13/2012 6:52 PM	ROWCOUNT File	1 KB
INSTALLED_SOFTWARE_DATA.bcp	10/13/2012 6:53 PM	SQL Server Replicat...	642,181 KB
INSTALLED_SOFTWARE_DATA.bcp.rowcount	10/13/2012 6:53 PM	ROWCOUNT File	1 KB
INSTALLED_SOFTWARE_HIST.bcp	10/13/2012 6:53 PM	SQL Server Replicat...	64,381 KB
INSTALLED_SOFTWARE_HIST.bcp.rowcount	10/13/2012 6:53 PM	ROWCOUNT File	1 KB
SOFTWARE_SHORTCUT_DATA.bcp	10/13/2012 6:54 PM	SQL Server Replicat...	2,211,649 KB
SOFTWARE_SHORTCUT_DATA.bcp.rowcount	10/13/2012 6:54 PM	ROWCOUNT File	1 KB
SOFTWARE_SHORTCUT_HIST.bcp	10/13/2012 6:54 PM	SQL Server Replicat...	97,903 KB
SOFTWARE_SHORTCUT_HIST.bcp.rowcount	10/13/2012 6:54 PM	ROWCOUNT File	1 KB
SYSTEM_CONSOLE_USAGE_DATA.bcp	10/13/2012 6:54 PM	SQL Server Replicat...	566 KB
SYSTEM_CONSOLE_USAGE_DATA.bcp.rowc...	10/13/2012 6:54 PM	ROWCOUNT File	1 KB
SYSTEM_CONSOLE_USAGE_HIST.bcp	10/13/2012 6:54 PM	SQL Server Replicat...	4,067 KB
SYSTEM_CONSOLE_USAGE_HIST.bcp.rowco...	10/13/2012 6:54 PM	ROWCOUNT File	1 KB
SYSTEM_CONSOLE_USER_DATA.bcp	10/13/2012 6:54 PM	SQL Server Replicat...	2,572 KB
SYSTEM_CONSOLE_USER_DATA.bcp.rowcount	10/13/2012 6:54 PM	ROWCOUNT File	1 KB
SYSTEM_CONSOLE_USER_HIST.bcp	10/13/2012 6:54 PM	SQL Server Replicat...	7,117 KB
SYSTEM_CONSOLE_USER_HIST.bcp.rowcount	10/13/2012 6:54 PM	ROWCOUNT File	1 KB

In the database on the primary you will see the following .

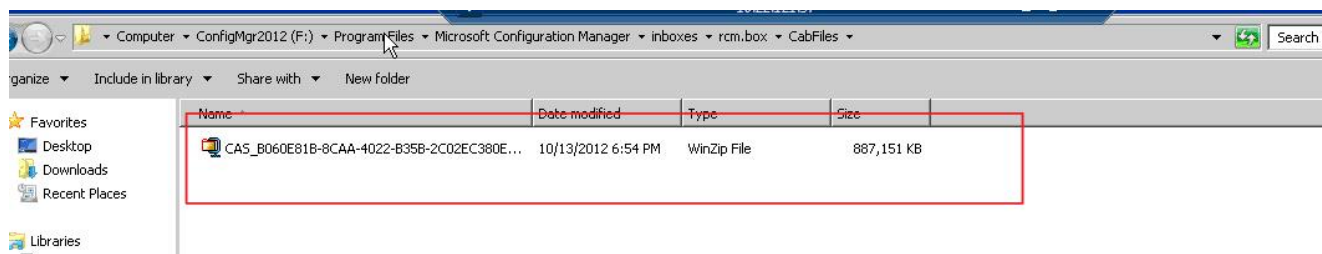
LogLine	LogTime	ComponentName	MachineName	ProcedureName	LogText
7E+16	02:24.9	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: Received DRS_SubscriptionInvalid from Site CAS for replication group: Hardware_Inventory_8 and fulfilling site: PR1 and requesting site: CAS
7E+16	02:24.9	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: DRS_SubscriptionInvalid is for full initialization - marking required replication group.
7E+16	02:24.9	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: Finished processing DRS_SubscriptionInvalid from Site CAS for replication group: Hardware_Inventory_8
7E+16	02:31.4	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: Received DRS_InitRequest from Site CAS for replication group: Hardware_Inventory_8
7E+16	03:08.4	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Creating init package for replication group Hardware_Inventory_8 for site CAS. -- 10/20/2012 02:03:04
7E+16	03:08.4	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION_ CONFIGURATION _MONITOR	INFO: Flushing DRS queue messages coming from subscriber CAS for replication group Hardware_Inventory_8. -- 10/20/2012 02:03:04
7E+16	03:08.4	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	INFO: Turned off DRS queue ConfigMgrDRSSiteQueue on publisher PR1. -- 10/20/2012 02:03:04
7E+16	03:08.4	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	INFO: Turned on DRS queue ConfigMgrDRSSiteQueue on publisher PR1 . -- 10/20/2012 02:03:07
7E+16	03:08.4	SMS_REPLICATION _CONFIGURATION	CMLABPRI	SMS_REPLICATION _CONFIGURATION	INFO: Init package XML CreateTime: 20-10-2012 09:02:31 LastModifyTime:

		_MONITOR		_MONITOR	20-10-2012 09:02:31 for replication group Hardware_Inventory_8 for site CAS. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_ REPLICATION_ CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	INFO: Created version file for init package for replication group Hardware_Inventory_8 for site CAS. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	INFO: Created tracking GUID file for init package for replication group Hardware_Inventory_8 for site CAS. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	INFO: Created pub file for init package for replication group Hardware_Inventory_8 for site CAS. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table AUTOSTART_SOFTWARE_DATA. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table AUTOSTART_SOFTWARE_DATA is 0. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table AUTOSTART_SOFTWARE_HIST. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table AUTOSTART_SOFTWARE_HIST is 0. -- 10/20/2012 02:03:07
7E+16	03:08.5	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table BROWSER_HELPER_OBJECT_DATA. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION	CMLABPRI	SMS_REPLICATION _CONFIGURATION	BCP out result for table BROWSER_HELPER_OBJECT_DATA is 0. -- 10/20/2012 02:03:07

		_MONITOR			
				_MONITOR	
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table BROWSER_HELPER_OBJECT_HIST. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION_ MONITOR	BCP out result for table BROWSER_HELPER_OBJECT_HIST is 0. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table SW_LICENSING_PRODUCT_DATA. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table SW_LICENSING_PRODUCT_DATA is 0. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table SW_LICENSING_PRODUCT_HIST. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table SW_LICENSING_PRODUCT_HIST is 0. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table SW_LICENSING_SERVICE_DATA. -- 10/20/2012 02:03:07
7E+16	03:08.6	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table SW_LICENSING_SERVICE_DATA is 0. -- 10/20/2012 02:03:08
7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table SW_LICENSING_SERVICE_HIST. -- 10/20/2012 02:03:08
7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table SW_LICENSING_SERVICE_HIST is 0. -- 10/20/2012 02:03:08

7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table USB_DEVICE_DATA. -- 10/20/2012 02:03:08
7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table USB_DEVICE_DATA is 0. -- 10/20/2012 02:03:08
7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	Calling BCP out for table USB_DEVICE_HIST. -- 10/20/2012 02:03:08
7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION _MONITOR	BCP out result for table USB_DEVICE_HIST is 0. -- 10/20/2012 02:03:08
7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION_ MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION_ _MONITOR	Sending the init package for replication group Hardware_Inventory_8 to subscriber CAS. -- 10/20/2012 02:03:08
7E+16	03:08.7	SMS_REPLICATION _CONFIGURATION_ _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION_ _MONITOR	Send result for init package for replication group Hardware_Inventory_8 to subscriber CAS is 0. -- 10/20/2012 02:03:08
7E+16	03:08.8	SMS_REPLICATION _CONFIGURATION_ _MONITOR	CMLABPRI	SMS_REPLICATION _CONFIGURATION_ _MONITOR	Init package created and sent for replication group Hardware_Inventory_8 for site CAS. -- 10/20/2012 02:03:08

Once the BCP out is completed the compression will happen and file will be stored in the CABFiles folder as shown below



The rcmctrl.log will have the following

Calling drs_init_send method now with parameters C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\4ba357d-1cb4-408c-9e89-681686974194 and CAS.

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

Starting to compress files under folder [C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\4ba357d-1cb4-408c-9e89-681686974194] to [C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\CabFiles\CAS_4C7EB459-2631-455B-93C1-8C08926BAD07.cab] ...

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

Deleting all files under folder [C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\4ba357d-1cb4-408c-9e89-681686974194]. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

Created minijob to send compressed copy of DRS INIT BCP Package to site CAS. Transfer root = C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\CabFiles\CAS_4C7EB459-2631-455B-93C1-8C08926BAD07.cab. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

drs_init_send returned 0. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

STATMSG: ID=7803 SEV=I LEV=M SOURCE="SMS Server"
COMP="SMS_REPLICATION_CONFIGURATION_MONITOR" SYS=CMLABPRI.CMLAB.COM SITE=PR1 PID=5060
TID=3364 GMTDATE=Sat Oct 20 09:03:08.373 2012 ISTR0="Hardware_Inventory_8" ISTR1="CAS" ISTR2=""
ISTR3="" ISTR4="" ISTR5="" ISTR6="" ISTR7="" ISTR8="" ISTR9="" NUMATTRS=0
SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

Current status is PackageCreated. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

Found 1 replication roles. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:08 3364 (0x0D24)

Now once this is done the sender will send the files to the CAS server.

Sender.log

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Passed the xmit file test, use the existing connection SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Package file = C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\CabFiles\CAS_4C7EB459-2631-455B-93C1-8C08926BAD07.cab SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Instruction file = C:\Program Files\Microsoft Configuration Manager\inboxes\schedule.box\tosend\00000085.I59
SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Checking for remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.PCK SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Checking for remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.SNI SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Checking for remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.TMP SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Attempt to create/open the remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.PCK SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Created/opened the remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.PCK SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Attempt to create/open the remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.PCK SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Created/opened the remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.PCK SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Sending Started [C:\Program Files\Microsoft Configuration Manager\inboxess\rcm.box\CabFiles\CAS_4C7EB459-2631-455B-93C1-8C08926BAD07.cab] SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Attempt to write 1024 bytes to \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.PCK at position 0 SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

.....

.....

S.CMLAB.COM\SMS_SITE\1003PPR1.TMP SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Created/opened the remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.TMP SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Sending Started [C:\Program Files\Microsoft Configuration Manager\inboxess\schedule.box\tosend\00000085.I59] SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Attempt to write 650 bytes to \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.TMP at position 0 SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Wrote 650 bytes to \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.TMP at position 0 SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Sending completed [C:\Program Files\Microsoft Configuration Manager\inboxess\schedule.box\tosend\00000085.I59] SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Renaming remote file \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.TMP to \\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.SNI SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Rename completed [\\CMLABCAS.CMLAB.COM\SMS_SITE\1003PPR1.TMP] SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

Sending completed successfully SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

COutbox::TakeNextToSend(pszSiteCode) SMS_LAN_SENDER 20-10-2012 02:03:33 5012 (0x1394)

We have 0 active connections SMS_LAN_SENDER 20-10-2012 02:03:38 4784 (0x12B0)

Checking for sending capacity. Used 0 out of 5. SMS_LAN_SENDER 20-10-2012 02:03:38 4784 (0x12B0)

Connecting to C:\Program Files\Microsoft Configuration Manager\inboxs\schedule.box\outboxes\LAN.
SMS_LAN_SENDER 20-10-2012 02:03:38 4784 (0x12B0)

COutbox::TakeNextToSend(pszSiteCode) SMS_LAN_SENDER 20-10-2012 02:03:38 4784 (0x12B0)

No (more) send requests found to process. SMS_LAN_SENDER 20-10-2012 02:03:38 4784 (0x12B0)

Waiting for new/rescheduled send requests, Maximum Sleep Time = 60 minutes SMS_LAN_SENDER 20-10-2012 02:03:38 4784 (0x12B0)

One the database logs you will find the following

LogLine	LogTime	ComponentName	MachineName	ProcedureName	LogText
7.20576E+16	03:08.7	SMS_REPLICATION_ CONFIGURATION_ MONITOR	CMLABPRI	SMS_REPLICATION_ CONFIGURATION_ MONITOR	Sending the init package for replication group Hardware_Inventory_8 to subscriber CAS. -- 10/20/2012 02:03:08
7.20576E+16	03:08.7	SMS_REPLICATION_ CONFIGURATION_ MONITOR	CMLABPRI	SMS_REPLICATION_ CONFIGURATION_ MONITOR	Send result for init package for replication group Hardware_Inventory_8 t o subscriber CAS is 0. -- 10/20/2012 02:03:08
7.20576E+16	03:08.8	SMS_REPLICATION_ CONFIGURATION_ MONITOR	CMLABPRI	SMS_REPLICATION_C ONFIGURATION_ MONITOR	Init package created and sent for replication group Hardware_Inventory_8 for site CAS. -- 10/20/2012 02:03:08

Now once the CAS receives the files the despooler will start pressing the files inside RCM.box\<GUID> just like it created in Primary. The despooler.log will show you the same

Despoolr.log

=====

Waiting for ready instruction file.... SMS_DESPOOLER 20-10-2012 02:03:38 3972 (0x0F84)

Decompressed C:\Program Files\Microsoft Configuration Manager\inboxes\despoolr.box\receive\ds_fl24a.pkg to C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\DBAF3A0C-9FE0-4A93-B771-E2DD3784E755\ SMS_DESPOOLER 20-10-2012 02:03:38 3376 (0x0D30)

Despooler successfully executed one instruction. SMS_DESPOOLER 20-10-2012 02:03:38 3376 (0x0D30)

Once it is decompressed the RCM will start processing . It will compare and see the tracking GUID and if publication matches and then will delete the old data BCP in (Bulk copy)the values after verifying with the rowcount files .

RCMctrl.log

=====

Processing replication group Hardware_Inventory_8. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Current status is PackageCreated. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Checking if initialization request is needed for replication group Hardware_Inventory_8 from site PR1. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Checking if there are bcp file to apply for replication group Hardware_Inventory_8 from site PR1. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

found a tracking guid, searching through .init files. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Checking bcpDirectory C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\DBAF3A0C-9FE0-4A93-B771-E2DD3784E755 SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Found files for publication Hardware_Inventory_8-PR1. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Publication names match. Checking versrion. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Found our tracking guid SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Setting deadlock priority level to high. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Initializing to version number 781708. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Publication Hardware_Inventory_8 has ID 30. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Flushing DRS queue messages coming from PR1 for replication group Hardware_Inventory_8. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:41 1820 (0x071C)

Executing pre-snapshot stored procedures for group Hardware_Inventory_8.

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:42 1820 (0x071C)

Pre-snapshot stored procedures for group Hardware_Inventory_8 finished. Applying bcp files.

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:42 1820 (0x071C)

Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'AUTOSTART_SOFTWARE_DATA', 1;]

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:42 1820 (0x071C)

Rowcount from file [C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\DBAF3A0C-9FE0-4A93-B771-E2DD3784E755\AUTOSTART_SOFTWARE_DATA.bcp.rowcount] is [6].

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:42 1820 (0x071C)

Successfully bulk copied file [C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\DBAF3A0C-9FE0-4A93-B771-E2DD3784E755\AUTOSTART_SOFTWARE_DATA.bcp] into table [AUTOSTART_SOFTWARE_DATA] with rows [6]. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:43 1820 (0x071C)

Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'AUTOSTART_SOFTWARE_HIST', 1;]

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:43 1820 (0x071C)

Rowcount from file [C:\Program Files\Microsoft Configuration Manager\inboxes\rcm.box\DBAF3A0C-9FE0-4A93-B771-E2DD3784E755\AUTOSTART_SOFTWARE_HIST.bcp.rowcount] is [0].

SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:43 1820 (0x071C)

//////////

//////////

Setting deadlock priority level to normal. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:45 1820 (0x071C)

Current status is Active. SMS_REPLICATION_CONFIGURATION_MONITOR 20-10-2012 02:03:45 1820 (0x071C)

In the database logs also you will find this

LogLine	LogTime	ComponentName	MachineName	ProcedureName	LogText
429511	02:31.4	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: Received DRS_InitRequestReceived for replication group: Hardware_Inventory_8
429512	02:32.8	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	INFO: Creating initialization request for 10 articles in replication group Hardware_Inventory_8

					from site PR1. -- 10/20/2012 02:02:27
429513	02:32.8	SMS_REPLICATION_CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_CONFIGURATION_MONITOR	<p>Built the init request XML for replication group</p> <p>Hardware_Inventory_8 for site PR1.</p> <p>-- 10/20/2012 02:02:31</p>
429514	03:08.3	Microsoft SQL Server Service Broker Activation		spRCMActivation	<p>INFO: Received DRS_InitPackageCreated</p> <p>for replication group: Hardware_Inventory_8</p>
429516	03:45.0	SMS_REPLICATION_CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_CONFIGURATION_MONITOR	<p>Applying the BCP for replication group</p> <p>Hardware_Inventory_8 from site PR1.</p> <p>Tracking guid d74dc244-a526-4387-86b0-efacf67df680.</p> <p>-- 10/20/2012 02:03:41</p>
429517	03:45.0	SMS_REPLICATION_CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_CONFIGURATION_MONITOR	<p>BCP version number for replication group</p> <p>Hardware_Inventory_8 from site PR1 is 781708.</p> <p>-- 10/20/2012 02:03:41</p>
429518	03:45.0	SMS_REPLICATION_CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_CONFIGURATION_MONITOR	<p>Flushing DRS queue messages coming from</p> <p>site PR1 for replication group</p> <p>Hardware_Inventory_8.-- 10/20/2012 02:03:41</p>
429519	03:45.1	SMS_REPLICATION_CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_CONFIGURATION_MONITOR	<p>Executing pre-snapshot stored procedures for</p> <p>replication group Hardware_Inventory_8.</p> <p>-- 10/20/2012 02:03:42</p>
429520	03:45.1	SMS_REPLICATION_CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_CONFIGURATION_MONITOR	<p>Pre-snapshot stored procedures for replication group</p> <p>Hardware_Inventory_8 finished. Applying bcp files.</p> <p>-- 10/20/2012 02:03:42</p>

429521	03:45.1	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Disable foreign keys for replication group Hardware_Inventory_8. -- 10/20/2012 02:03:42
429522	03:45.1	SMS_REPLICATION_C ONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table .. . [EXEC spSMSTruncatePartitionTable 'AUTOSTART_SOFTWARE_DATA', 1;] -- 10/20/2012 02:03:42
429523	03:45.1	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'AUTOSTART_SOFTWARE_HIST', 1;] -- 10/20/2012 02:03:43
429524	03:45.1	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'BROWSER_HELPER_OBJECT_DATA', 1;] -- 10/20/2012 02:03:43
429525	03:45.1	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'BROWSER_HELPER_OBJECT_HIST', 1;] -- 10/20/2012 02:03:43
429526	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'SW_LICENSING_PRODUCT_DATA', 1;] -- 10/20/2012 02:03:43
429527	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table ... [EXEC spSMSTruncatePartitionTable ']

					SW_LICENSEING_PRODUCT_HIST', 1;] -- 10/20/2012 02:03:43
429528	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'SW_LICENSEING_SERVICE_DATA', 1;] -- 10/20/2012 02:03:43
429529	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_C ONFIGURATION_MONITOR	Removing old data for site table . .. [EXEC spSMSTruncatePartitionTable 'SW_LICENSEING_SERVICE_HIST', 1;] -- 10/20/2012 02:03:44
429530	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table .. . [EXEC spSMSTruncatePartitionTable 'USB_DEVICE_DATA', 1;] -- 10/20/2012 02:03:44
429531	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Removing old data for site table ... [EXEC spSMSTruncatePartitionTable 'USB_DEVICE_HIST', 1;] -- 10/20/2012 02:03:44
429532	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Applied the BCP files for replication group Hardware_Inventory_8 from site PR1. -- 10/20/2012 02:03:44
429533	03:45.2	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Enable foreign keys for replication group Hardware_Inventory_8. -- 10/20/2012 02:03:44
429534	03:45.3	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Restore table's identity value for replication group Hardware_Inventory_8.

-- 10/20/2012 02:03:44					
429535	03:45.3	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Executing post-snapshot stored procedures for replication group Hardware_Inventory_8. -- 10/20/2012 02:03:44
429536	03:45.3	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Post-snapshot stored procedures for replication group Hardware_Inventory_8 finished. -- 10/20/2012 02:03:44
429537	03:45.3	SMS_REPLICATION_ CONFIGURATION_MONITOR	CMLABCAS	SMS_REPLICATION_ CONFIGURATION_MONITOR	Finished applying the BCP for replication group Hardware_Inventory_8 from site PR1. -- 10/20/2012 02:03:45

Once the same is completed then on the primary server you will find the replication is finished.

LogLine	LogTime	ComponentName	MachineName	ProcedureName	LogText
7.20576E+16	03:44.8	Microsoft SQL Server Service Broker Activation		spRCMActivation	INFO: Received DRS_InitFinished from Site CAS for replication group: Hardware_Inventory_8 with Version 135769

Once the same happens you will see the link moving from initialization to active in the monitoring phase.

Sudheesh Narayanaswamy

Support Escalation Engineer

Microsoft System Center Support

Comments

- [Umair Khan \(MSFT\)](#)

January 1, 2003

Empty file would do.

-

January 1, 2003

Awsome stuff Sudheesh :-) Keep posting stuff for CM2012..

- **Anonymous**

January 1, 2003

The comment has been removed

- **Ronny de Jong**

January 1, 2003

Saved my day! Thanks for sharing this informative and useful content.

- **Chandan Bharti**

January 1, 2003

Mee Gustas!

- **Umair Khan (MSFT)**

January 1, 2003

Very nice, Sudheesh. Though the comment is coming after a long time. Writing such a descriptive blog actually requires research and time. Hats Off !!

- **Ed (DareDevil57)**

January 1, 2003

great post, thank you

- **vinayak**

October 21, 2012

Nice, and thanks for sharing

- **Anonymous**

October 22, 2012

The comment has been removed

- **James Alwaris**

October 29, 2012

Excellent Stuff !!! Thank you for sharing

- **Praveen Kr. Sharma**

October 30, 2012

Nice article : Thanks for sharing

- **Finny Samuel**

February 1, 2013

Sudheesh, great info my friend, pls post more of such articles...

- **Shaheeda**

April 14, 2013

I just resolved one of my drs issues on the CAS site. Thanks for posting.

- **Tony Spencer**

April 22, 2013

Very informative. Thank you for posting Sudheesh

- **Madhu B**

September 15, 2013

Very good article...really useful. Thanks for posting such a nice article.

- **Prakashan A K**

November 11, 2013

Good article Sudheesh. Keep doing and going with the changes in new versions :)

- **ramakrir**

February 1, 2014

good one..

- **Anonymous**

February 17, 2014

Hello Folks, Today's post is about the much talked about feature Data Replication Service (DRS) in

- **Anonymous**

February 19, 2014

The comment has been removed

- **Sudip Das**

May 15, 2014

Quite informative Blog

- **Krishna Mohan**

August 27, 2014

Nice article...

- **Yuvaraj Tamil Mani**

September 8, 2014

awesome article as usual.. thanks for sharing

- **ankit5**

September 24, 2014

Very informative

- **Anonymous**

December 17, 2014

SCCM fait partie de la grande famille System Center. Produit très complet, il offre la possibilité

- **Anonymous**

January 21, 2015

Hi Folks, I have tried explaining the DRS Initialization internals so that we have better understanding

- **Anonymous**

February 28, 2015

SCCM (System Center Configuration Manager) fait partie de la grande famille System Center. Il est très

- **Vino Jose**

March 26, 2015

Thanks Sudheesh, this is very helpful.

- **Anonymous**

April 6, 2015

The comment has been removed

- **Anonymous**

June 16, 2015

The comment has been removed

- **arun**

January 13, 2016

Its Wow article man - thanks for sharing

- **arun**

February 18, 2016

Thanks for sharing

- **Saurabh Tewari**

February 28, 2016

Great article uncovering the initialization of a site. Great job Sudheesh...

- **anonymouscommenter**

March 8, 2016

Pingback from Configuration Manager 2012 RTM to SP1 Upgrade Overview | Russ Rimmerman – ConfigMgr Guy

- **Sudheesh**

September 25, 2016

Dear this was written at the time of RTM : Check the date of posting plz