

DFSR Error 4012

<https://support.microsoft.com/en-us/kb/2218556>

How to perform an authoritative synchronization of DFSR-replicated SYSVOL (like "D4" for FRS)

In the ADSIEDIT.MSC tool, modify the following DN and two attributes on the domain controller you want to make authoritative (preferably the PDC Emulator, which is usually the most up to date for SYSVOL contents):

CN=SYSVOL Subscription,CN=Domain System Volume,CN=DFSR-LocalSettings,CN=<the server name>,OU=Domain Controllers,DC=<domain>

msDFSR-Enabled=FALSE

msDFSR-options=1

Modify the following DN and single attribute on all other domain controllers in that domain:

CN=SYSVOL Subscription,CN=Domain System Volume,CN=DFSR-LocalSettings,CN=<each other server name>,OU=Domain Controllers,DC=<domain>

msDFSR-Enabled=FALSE

Force Active Directory replication throughout the domain and validate its success on all DCs.

Start the DFSR service set as authoritative:

You will see Event ID 4114 in the DFSR event log indicating SYSVOL is no longer being replicated.

On the same DN from Step 1, set:

```
msDFSR-Enabled=TRUE
```

Force Active Directory replication throughout the domain and validate its success on all DCs.

Run the following command from an elevated command prompt on the same server that you set as authoritative:

```
DFSRDIAG POLLAD
```

You will see Event ID 4602 in the DFSR event log indicating SYSVOL has been initialized. That domain controller has now done a "D4" of SYSVOL.

Start the DFSR service on the other non-authoritative DCs. You will see Event ID 4114 in the DFSR event log indicating SYSVOL is no longer being replicated on each of them.

Modify the following DN and single attribute on all other domain controllers in that domain:

```
CN=SYSVOL Subscription,CN=Domain System Volume,CN=DFSR-LocalSettings,CN=<each other server name>,OU=Domain Controllers,DC=<domain>
```

msDFSR-Enabled=TRUE

Run the following command from an elevated command prompt on all non-authoritative DCs (i.e. all but the formerly authoritative one):

DFSRDIAG POLLAD

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