

Migrate FRS to DFSR using DFSRMIG

Prepared By:

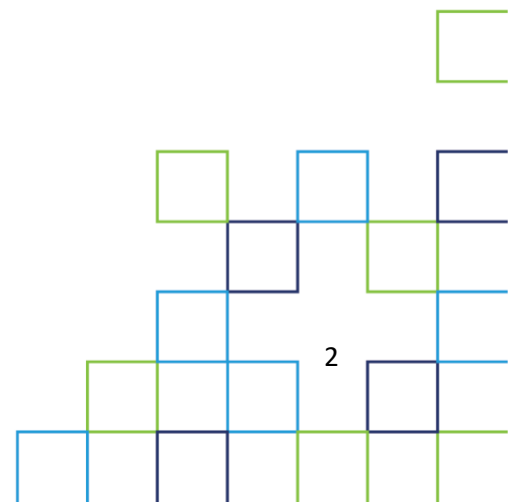
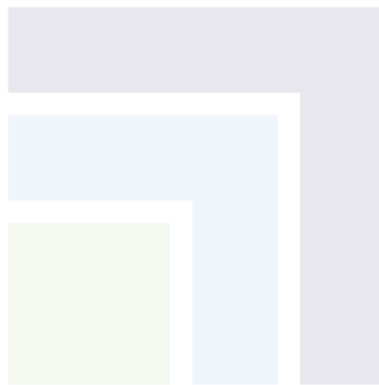
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Reviewed By:

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Prechecks:

1. Check all the domains are up by running below command:
 - Dcdiag /e /test:syvolcheck /test:advertising
 - If any domain is down and not in use so demote that domain first and go ahead.
2. Take full back of Domain Controller.
3. When we run commands for migrate FRS to DFRS every state will take around 45 minutes to 1 hour. Check the status every state. Once it is successful than go for next state.
4. After successfully completing all states check the FRS service in Services.msc. It should be down.

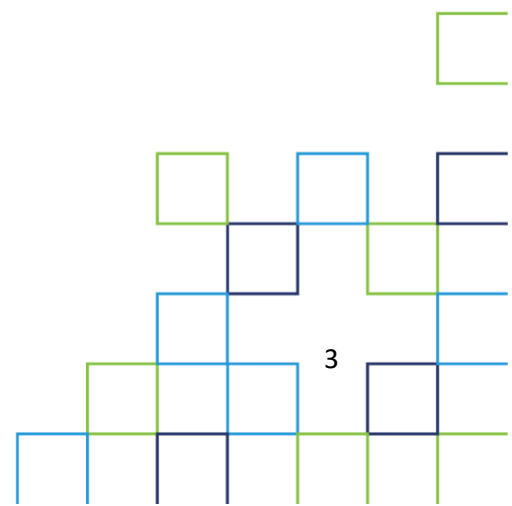


➤ Below are four states that correspond with the four migration phases.

1. State 0 – Start
2. State 1 – Prepared
3. State 2 – Redirected
4. State 3 – Eliminated

- **State 0 – Start:** With initiating this state, FRS will replicate SYSVOL folder among the many domain controllers. It is very important to have an updated copy of SYSVOL before begins the migration process to keep away from any conflicts.
- **State 1 – Prepared:** On this state, while FRS continues replicating SYSVOL folder, DFSR will replicate a replica of SYSVOL folder. It will likely be positioned in %SystemRoot%\SYSVOL_DFSR by default. However, this SYSVOL won't respond to some other domain controller service requests.
- **State 2 – Redirected:** In this state, the DFSR copy of SYSVOL begins to respond to SYSVOL service requests. FRS will proceed with the replication of its own SYSVOL copy, however, it won't be involved with the SYSVOL replication.
- **State 3 – Eliminated:** In this state, DFS Replication will continue its replication and servicing SYSVOL requests. Windows will delete original SYSVOL folder users by FRS replication and cease the FRS replication.

In order to migrate from FRS to DFSR it must go from State 1 to State 3. This step can't be reversed.



➤ **Migration Steps:**

- **Prepared State:**

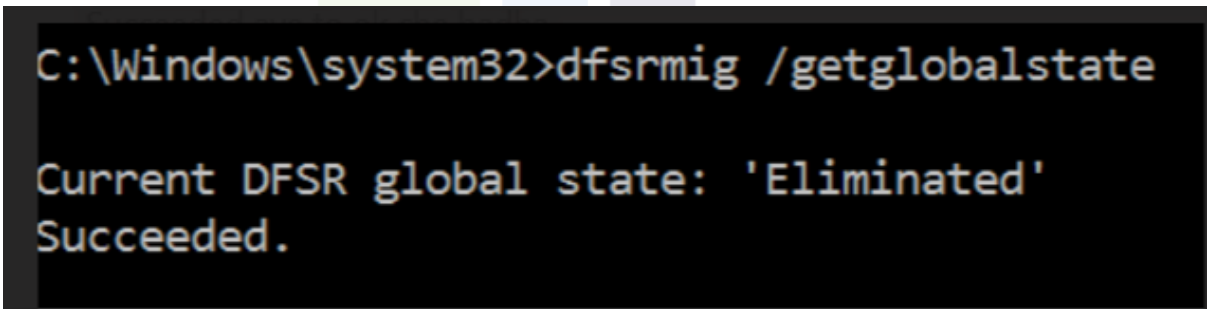
1. Log in to domain controller as Domain admin or Enterprise Admin
2. Launch PowerShell console
3. Type “dfsrmig /setglobalstate 1” and press enter
4. Type “dfsrmig /getmigrationstate” to verify all domain controllers have reached a prepared state

- **Redirected State:**

1. Log in to domain controller as Domain admin or Enterprise Admin
2. Launch PowerShell console
3. Type “dfsrmig /setglobalstate 2” and press enter
4. Type “dfsrmig /getmigrationstate” to verify all domain controllers have reached redirected state

- **Eliminated State:**

1. Log in to domain controller as Domain admin or Enterprise Admin
2. Launch PowerShell console
3. Type “dfsrmig /setglobalstate 3” and press enter
4. Type “dfsrmig /getmigrationstate” to verify all domain controllers have reached eliminated state.



```
C:\Windows\system32>dfsrmig /getglobalstate  
  
Current DFSR global state: 'Eliminated'  
Succeeded.
```

Final result looks like above image.

This completes the migration process and to verify the SYSVOL share, type net share command and enter.

Additionally, be certain in each domain controller FRS service is stopped and disabled. This could occur automatically, however, please confirm.

