

??+?? S-DNS1 ????????

[illegible]

“

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”

"□

????????

IP 地址	配置说明
192.168.0.5	S-DNS1.shuncom.local 192.168.0.5 — FSMO
192.168.0.4	S-DNS6.shuncom.local 192.168.0.4 — DC SYSVOL/Netlogon
192.168.0.6	DNS GPO S-DNS6
192.168.0.7	S-DNS6 SRV DC

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“ [] [] [] [] [] [] **S-DNS1** [] [] [] [] [] [] “ [] [] [] [] [] [] **DC** [] [] [] [] [] [] **DC** [] [] [] [] [] [] **DC Locator** [] [] [] [] [] [] **S-DNS6** [] [] [] [] [] []

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- DNS SRV `_ldap._tcp.dc._msdcs.shuncom.local`
`_kerberos._tcp.dc._msdcs.shuncom.local` S-DNS6
- S-DNS1 **Netlogon** **DNS**
- SYSVOL DFSR DC
 S-DNS1 “ ”

? ????????????? S-DNS6?



S-DNS1
 " DC "

1?? ?? SYSVOL / NETLOGON ??

net share

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```
NETLOGON      C:\Windows\SYSVOL\systol\shuncom.local\SCRIPTS
SYSVOL        C:\Windows\SYSVOL\systol
```

||||| S-DNS1 ||||| DC "|||"

2?? ?? DFSR ??

```
Get-CimInstance -Namespace "root\MicrosoftDFS" -ClassName DfsrReplicatedFolderInfo |  
    Select ReplicationGroupName, ReplicatedFolderName, State
```

state 4 ()

 DFSR

3?? ?? Netlogon ????

☐ DNS SRV ☐

```
net stop netlogon
ipconfig /flushdns
ipconfig /registerdns
net start netlogon
nslookup -type=SRV _ldap._tcp.dc._msdcs.shuncom.local
```

☐ ☐☐☐☐☐☐☐ s-dns1.shuncom.local ☐☐ Netlogon ☐☐☐☐☐☐☐ SYSVOL/DFSRR ☐☐☐

4?? ?? DC ???? ?

```
dcdiag /test:advertising
```

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S-DNS1 広告 Advertising

DC□

? ????????? S-DNS1 ?????? DC?

S-DNS6□□

? ? S-DNS1 ?? DF5R ??

□ **S-DNS1** □□□□

```
dfsrdiag pollad
```

```
wmic /namespace:\\root\\microsoftdfs path dfsrmachineconfig get replicationgroupconfigpresent
```

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FALSE ☐ ☐ ☐ ☐

DFSR ☐☐☐

```
wmic /namespace:\\root\microsoftdfs path dfsrmachineconfig call PollAD
```

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```
dfsrdiag ReplicationState
```

SYSVOL□□□□□□□□

safe rebuild ☐ ☐ ☐ ☐

? ?? S-DNS1 ? SYSVOL ???? ?

net share

□ □ SYSVOL □ NETLOGON □ □ □

? ? DNS ??? S-DNS6 SRV ????? S-DNS1 ????

□□□□

```
nltest /dsregdns  
nslookup -type=SRV _ldap._tcp.dc._msdcs.shuncom.local
```

□□□□□ s-dns1.shuncom.local □□□□□□

? ?????????? S-DNS1

□□□□□□□□

```
nltest /dsgetdc:shuncom.local /force  
nltest /dcname:shuncom.local
```

□□□

```
DC: \\S-DNS1.shuncom.local  
□□: \\192.168.0.5
```

□ □□□□□□□□□□ S-DNS6□

? ??S-DNS6 ??????????????????????

- 1. □ S-DNS6 □□

```
net stop netlogon  
net stop dfsr  
dcpromo /demote
```

□□□□□□□□□□

- 2. □ S-DNS1 □□□□□□

```
ntdsutil  
metadata cleanup  
remove selected server S-DNS6
```

```
quit  
quit
```

3. ☐ DNS ☐ ☐ S-DNS6 ☐ A / SRV ☐
4. ☐

```
nltest /dsregdns  
repadmin /syncall /AdeP
```

? ?????

☐

“ ☐ S-DNS6 ☐ S-DNS1 ☐ “ ☐ ”

☐

- ☐ S-DNS1 ☐ SYSVOL/DFSR
- ☐ Netlogon ☐
- ☐ ☐ dcdiag /test:advertising ☐
- ☐ DNS ☐ S-DNS6

☐

“ Windows 10 / Windows Server 2022 ☐ wmic.exe ☐
☐ wmic ☐

? ???????? PowerShell ?? DFSR ???????

☐ PowerShell ☐ WMI / CIM ☐ ☐ wmic ☐

```
# ☐ DFSR ☐  
Get-WmiObject -Namespace "root\MicrosoftDFS" -Class DfsrReplicatedFolderInfo |  
Select-Object ReplicationGroupName, ReplicatedFolderName, State
```

■■■■■

Get-CimInstance ■■■■

Windows Server 2019/2022 ■■■

```
Get-CimInstance -Namespace "root\MicrosoftDFS" -ClassName DfsrReplicatedFolderInfo |  
Select ReplicationGroupName, ReplicatedFolderName, State
```

■■■■

- **State = 4** → ■■ “■■■ (Normal)”■
- ■■■■ 2■ 3 ■■■■■■■■■■

? ??????? DFSR ?????

```
Get-Service DFSR
```

■■■■

Status	Name	DisplayName
-----	----	-----
Running	DFSR	DFS Replication

? ????? DFSR ????????

```
Get-WmiObject -Namespace "root\MicrosoftDFS" -Class DfsrConnectionInfo |  
Select-Object ConnectionName, PartnerName, Enabled
```

? ??????? SYSVOL ??? DFSR ??

```
dfsrdiag pollad  
dfsrdiag replicationstate
```

■■■■■

DFSR ■■■■■■■■■■

? ????? DFSR ??????????????

1. ■■■■ ■■ services.msc → ■■ “DFS Replication” ■■■■
2. ■■■■ ■■■■

□□□□□ → □□□□□□□□□□ → DFS Replication

□□□□□ ID□

- **4112** 
- **4114**  SYSVOL 
- **4602**  SYSVOL 

3.

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```
repladmin /replsummary
repladmin /showrepl
```

```
repadmin /showrepl
```

? ?????????? SYSVOL ??????

net share

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Share name	Resource
NETLOGON	C:\Windows\SYSVOL\sysvol\shuncom.local\SCRIPTS
SYSVOL	C:\Windows\SYSVOL\sysvol

S-DNS1 ☐ **DFSR** ☐ **SYSVOL** ☐ ☐ ☐ ☐

??????????

項目	状態	説明
DFSRR 状態	Running	正常に動作中
DFSRR 状態 SYSVOL 状態	△ State = 2	DFSRR 状態 “ (Initialization) ” SYSVOL 状態 “(State=4)”
DFSRR 状態	△ Partner = S-DNS6	DFSRR 状態 S-DNS6
/ 状態	△ 0	S-DNS6

名称	位置	内容
SYSVOL / NETLOGON 目录	\\server\sysvol	包含 SYSVOL 目录的副本

问题

- 在 S-DNS1 上，SYSVOL 目录的 DFSR 副本是否已同步到 S-DNS6？
- 如果未同步，请检查 DFSR 日志，并尝试手动同步。

解决方案

1. 检查 DFSR 状态

```
netdom query fsmo
```

输出结果：S-DNS1.shuncom.local

2. 使用 ntdsutil 工具

```
ntdsutil
metadata cleanup
connections
connect to server S-DNS1
quit
select operation target
list domains
select domain <S-DNS1>
list sites
```

```
select site <[site]>
list servers in site
select server <S-DNS6 [server]>
quit
remove selected server
quit
```

[] AD [] S-DNS6 []

?? 3??? DNS ? S-DNS6 ? SRV / A ??

[] DNS [] → shuncom.local → _msdcs [] _sites [] _tcp [] _udp []

- _ldap._tcp.dc._msdcs.shuncom.local
- _kerberos._tcp.dc._msdcs.shuncom.local
- _ldap._tcp.Default-First-Site-Name._sites.dc._msdcs.shuncom.local
- [] S-DNS6 [] [](A) []

?? 4??? DFSR ????? S-DNS6 ??

[] S-DNS1 []

dfsmgmt.msc

- [] “Replication” → “Domain System Volume”
- [] S-DNS6 [] [] (Connections)

[]

dfsrdiag dumpadcfg > C:\dfsr_before.txt

[] <Connection> [] S-DNS6 []

- [] ADSIEdit.msc
- [] CN=DFSR-GlobalSettings,CN=System,DC=shuncom,DC=local
- [] S-DNS6 []

?? 5????? DFSR ??

```
dfsrdiag pollad
```

■■■■ DFSR ■■■

```
Restart-Service DFSR
```

?? 6???? DFSR ?????????

■■■■

```
Get-CimInstance -Namespace "root\MicrosoftDFS" -ClassName DfsrReplicatedFolderInfo |  
Select ReplicationGroupName, ReplicatedFolderName, State
```

■■■■

```
Domain System Volume SYSVOL Share 4
```

■ ■■ DFSR ■■ “■■■ Normal■ ”■ S-DNS1 ■■■■ SYSVOL■

?? 7???? Netlogon ? DNS ??

1. ■■■■■ Netlogon ■■■

```
net stop netlogon  
net start netlogon
```

2. ■■ DNS ■■■■■■

```
nslookup -type=SRV _ldap._tcp.dc._msdcs.shuncom.local
```

■■■■ S-DNS1 ■

3. ■■■■■■ / ■■■

```
nltest /dsgetdc:shuncom.local
```

■■■■■ S-DNS1 ■

? ??????DFSR ????????????

```
Write-Host "=== DFSR Replicated Folder Info ==="
Get-CimInstance -Namespace "root\MicrosoftDFS" -ClassName DfsrReplicatedFolderInfo |
    Select ReplicationGroupName, ReplicatedFolderName, State

Write-Host "`n=== DFSR Connection Info ==="
Get-CimInstance -Namespace "root\MicrosoftDFS" -ClassName DfsrConnectionInfo |
    Select ConnectionName, PartnerName, Enabled

Write-Host "`n=== SYSVOL/NETLOGON Shares ==="
net share | findstr "SYSVOL NETLOGON"
```