

DSAccess sees multiple servers but only uses two in a child domain

Source:

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This is a repost here as the other post on Microsoft.Public.Exchange didn't yield any responses.

I have a problem whereby DSAccess is discovering the following:

Process STORE.EXE (PID=3620). DSAccess has discovered the following servers with the following characteristics:

(Server name | Roles | Reachability | Synchronized | GC capable | PDC | SACL right | Critical Data | Netlogon)

In-site:

srv1.xxx.org CDG 7 7 1 0 0 1 7
srv2.xxx.org CD- 6 6 0 0 0 1 6
srv3.zzz.yyy.xxx.org CDG 7 7 1 0 1 1 7
srv4.yyy.xxx.org CDG 7 7 1 0 0 1 7
srv5.yyy.xxx.org CD- 6 6 0 0 0 1 6
srv6.yyy.xxx.org CDG 7 7 1 0 0 1 7
srv7.xxx.org CDG 7 7 1 0 0 1 7
srv8.yyy.xxx.org CDG 7 7 1 0 0 1 7
srv9.yyy.xxx.org CDG 7 7 1 0 0 1 7
srv10.yyy.xxx.org CD- 6 6 0 0 0 1 6
srv11.zzz.yyy.xxx.org CDG 7 7 1 0 1 1 7

However, the only servers that the Exchange boxes (I have multiple) are using for Directory Access are the srv3.zzz.yyy.xxx.org and the srv11.zzz.yyy.xxx.org servers and all the other servers do not show up in the list. Also, if srv11 is taken offline then only srv3 is found so DSAccess is not load balancing properly.

All servers are in the same site and physical location and the forest topology looks like this:

xxx.org (Native Mode Parent)
– yyy.xxx.org (Mixed Mode Child Domain)
– zzz.yyy.xxx.org (Native Mode Child Domain) – Used for Distribution Lists

I have tried a number of things including netdiag & dcdiag and the only

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thing I'm coming up with as a "failure" is that the Service Principal Names during an LDAP lookup on the yyy.xxx.org servers is failing.

```
LDAP test. . . . . : Passed
[WARNING] Failed to query SPN registration on DC
'srv4.xxx.yyy.org'.
[WARNING] Failed to query SPN registration on DC
'srv5.xxx.yyy.org'.
[WARNING] Failed to query SPN registration on DC
'srv6.xxx.yyy.org'.
[WARNING] Failed to query SPN registration on DC
'srv8.xxx.yyy.org'.
[WARNING] Failed to query SPN registration on DC
'srv9.xxx.yyy.org'.
[WARNING] Failed to query SPN registration on DC
'srv10.xxx.yyy.org'.
```

This may be due to the fact that I'm not an Enterprise Admin but rather a domain admin but I doubt it – and I have no idea whether this is related to the exchange issue. My guess is no because the yyy.org servers in the parent domain don't have this SPN issue and they are not being used by Exchange either.

Please help. Thanks

Paul

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