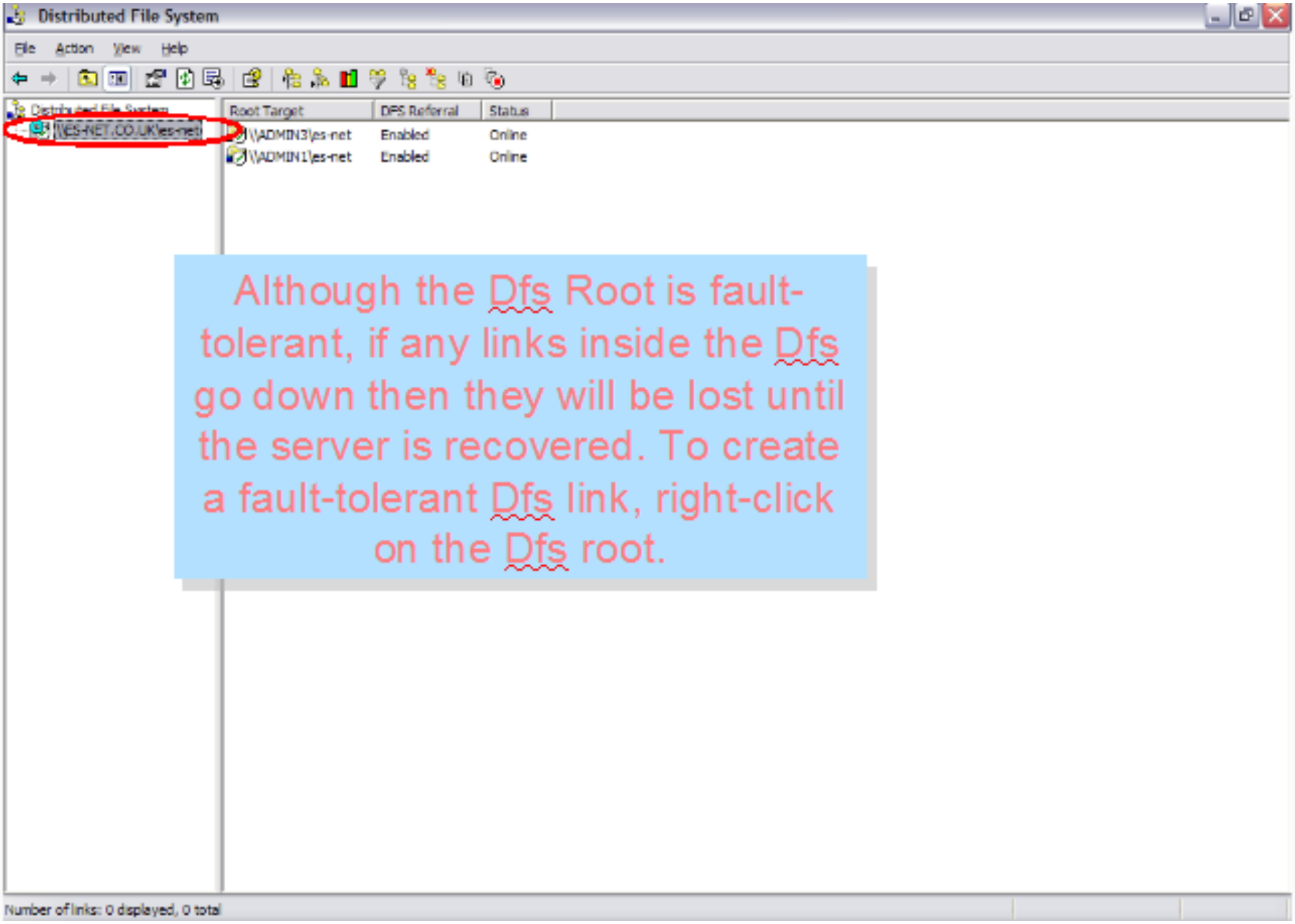
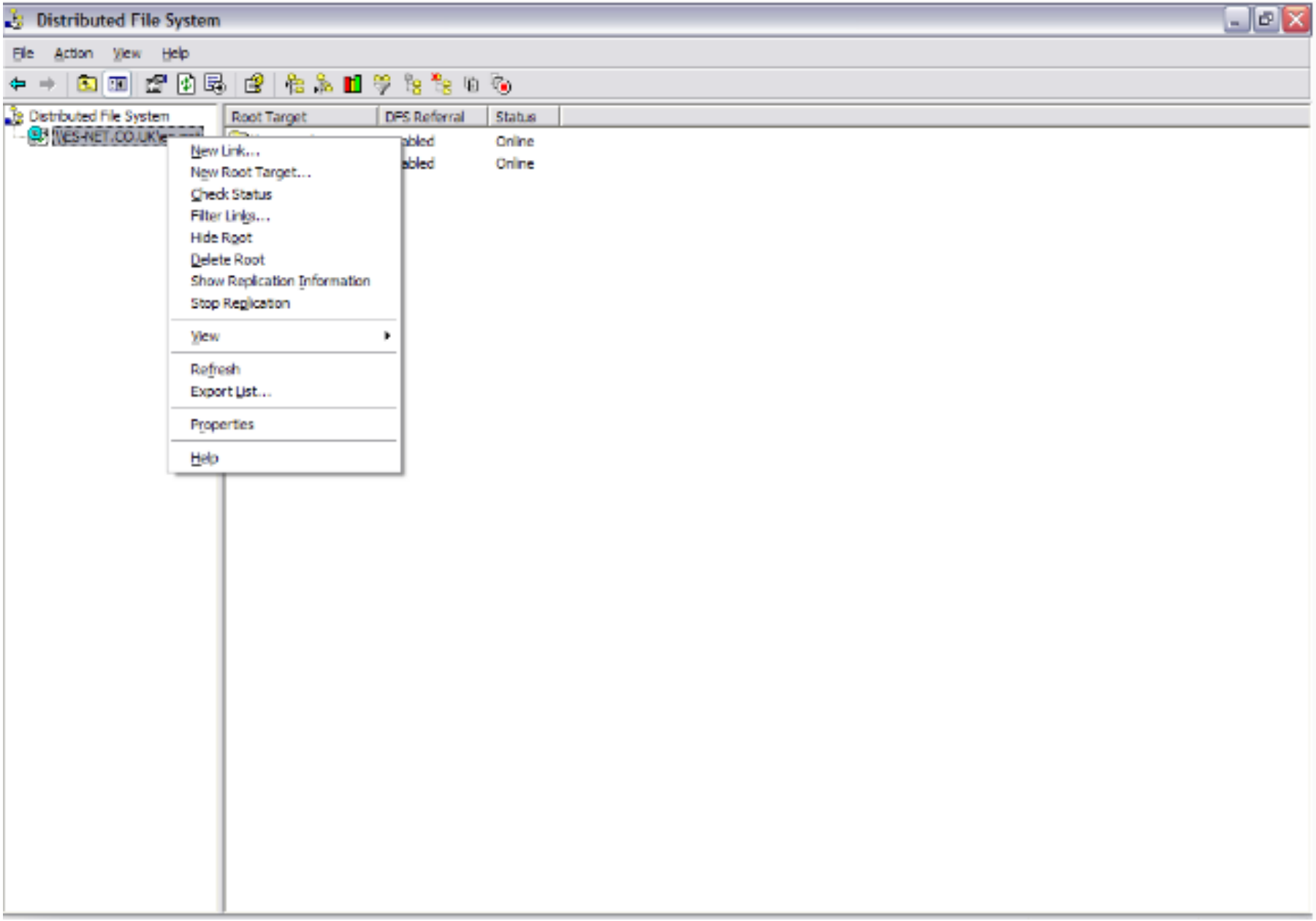
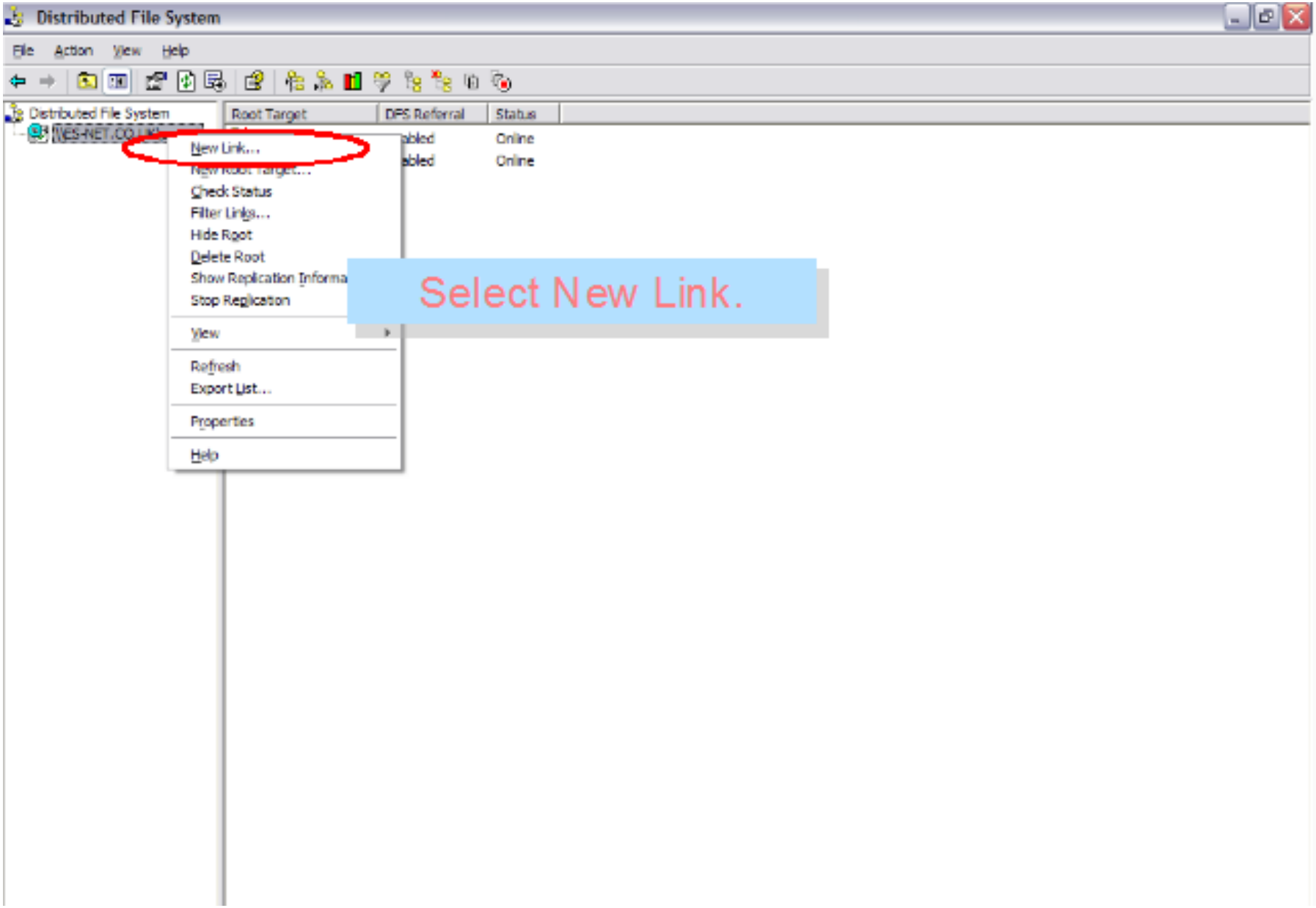
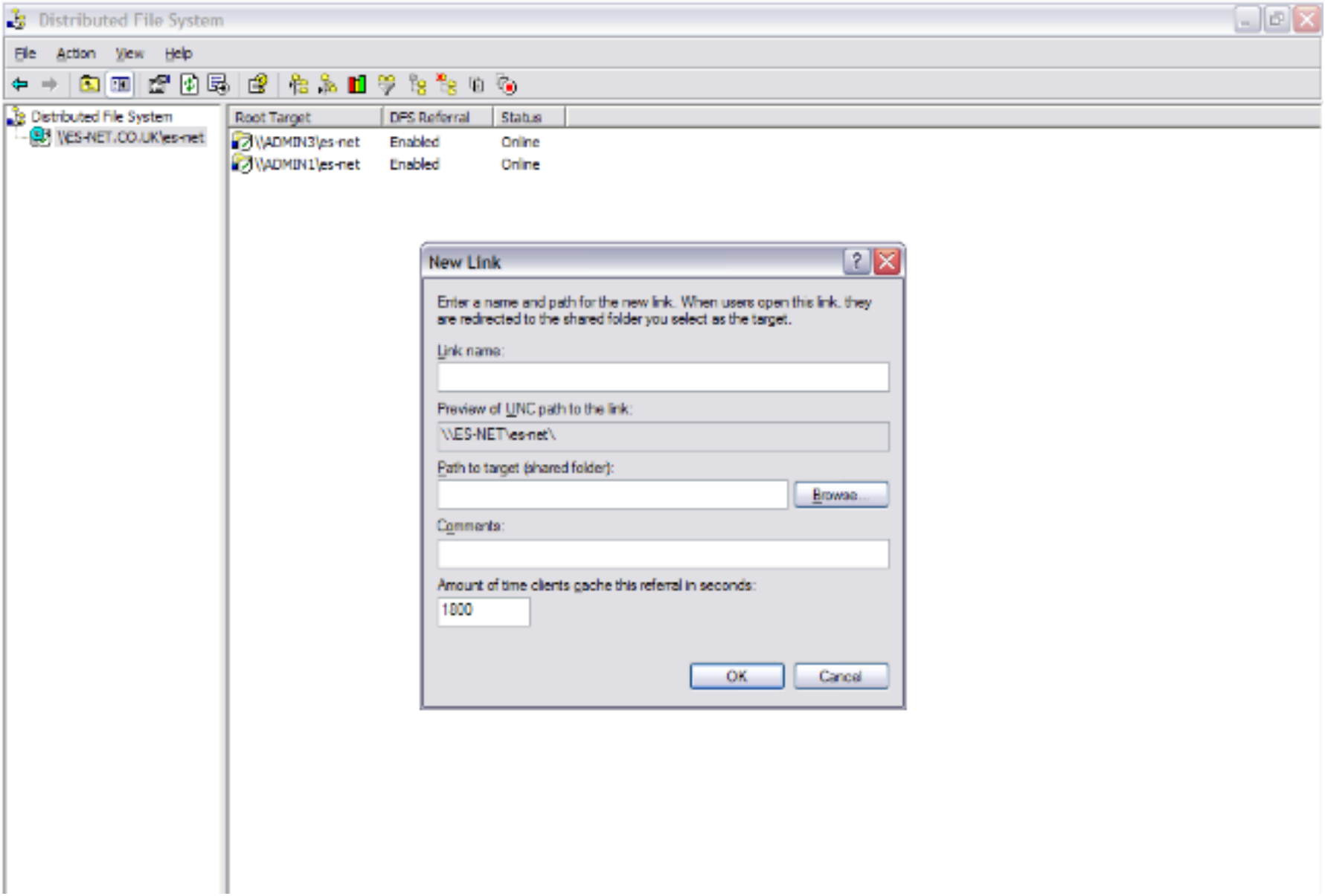
CONFIGURING DFS FAULT TOLERANCE

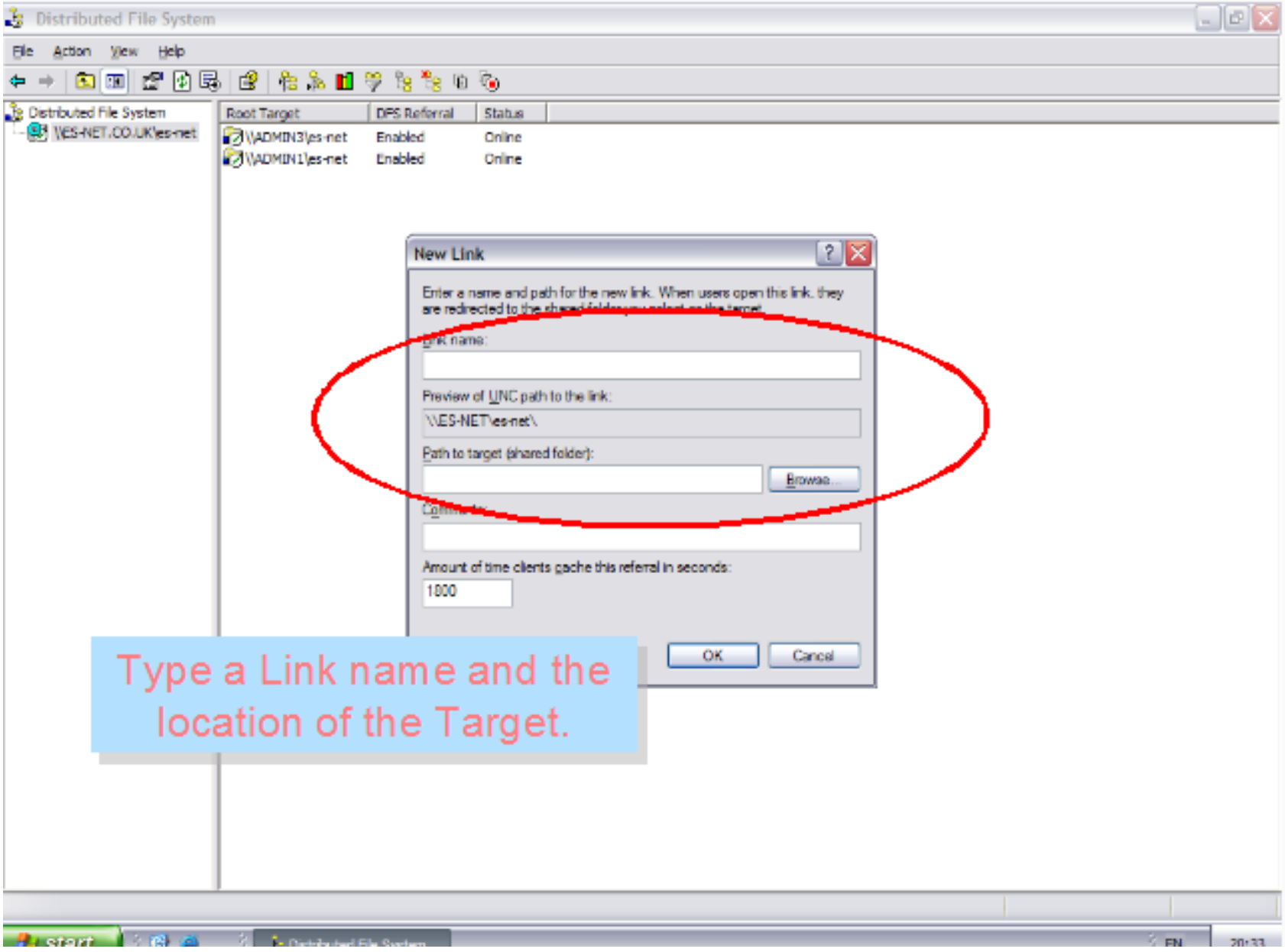
SERVER 2012

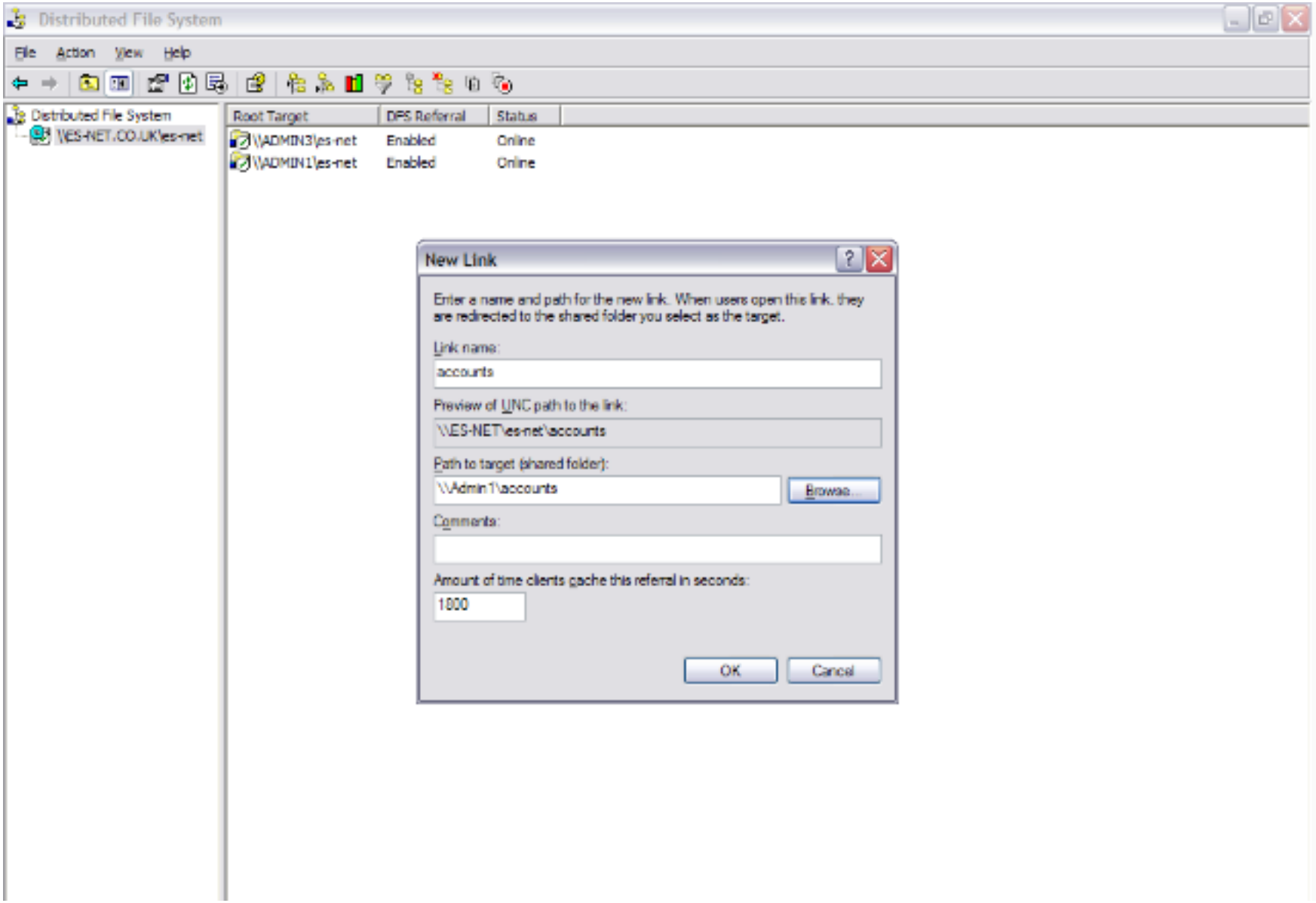

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Root Target
DFS Referral
Status
\\ADMIN3\es-net
Enabled
Online
\\ADMIN1\es-net
Enabled
Online
Although the Dfs Root is fault-tolerant, if any links inside the Dfs go down then they will be lost until the server is recovered. To create a fault-tolerant Dfs link, right-click on the Dfs root.
Number of links: 0 displayed, 0 total

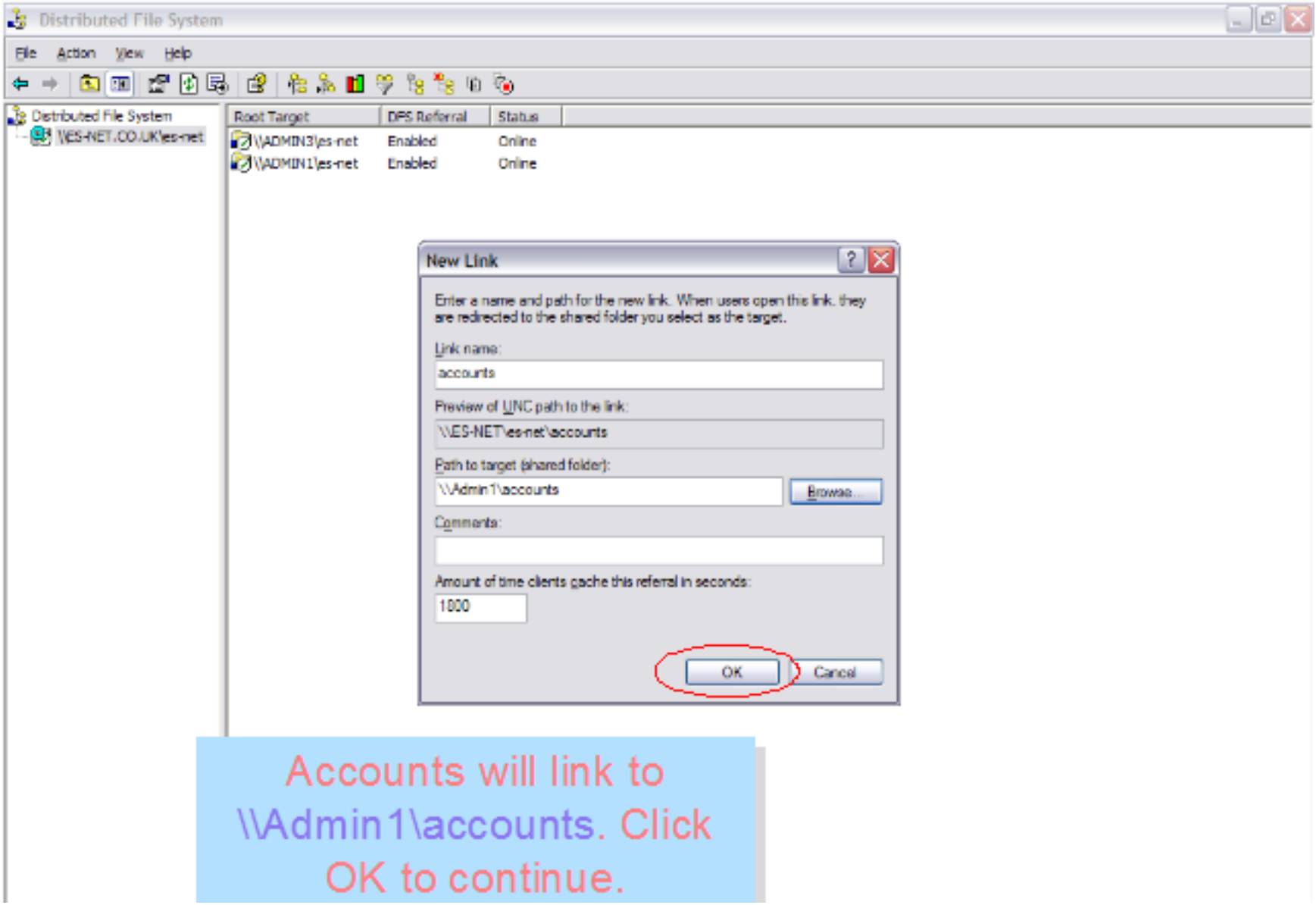

Distributed File System
File Action View Help
Distributed File System
Root Target
DFS Referral
Status
Online
Online
New Link...
New Root Target...
Check Status
Filter Links...
Hide Root
Delete Root
Show Replication Information
Stop Replication
View
Refresh
Export List...
Properties
Help

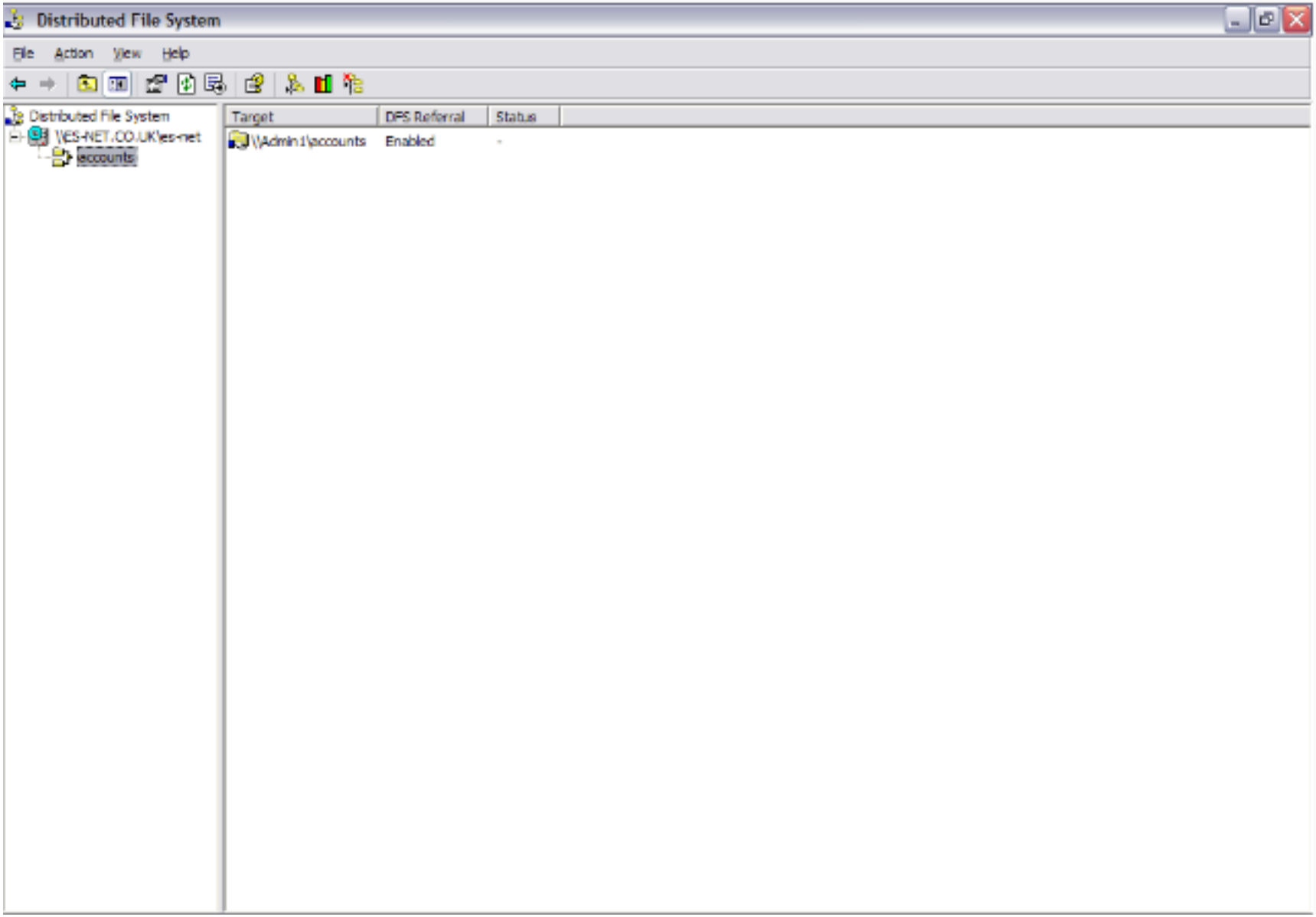

Distributed File System
File Action View Help
Distributed File System
Root Target
DFS Referral
Status
Online
Online
New Link...
Check Status
Filter Links...
Hide Root
Delete Root
Stop Replication
View
Refresh
Export List...
Properties
Help
Select New Link.

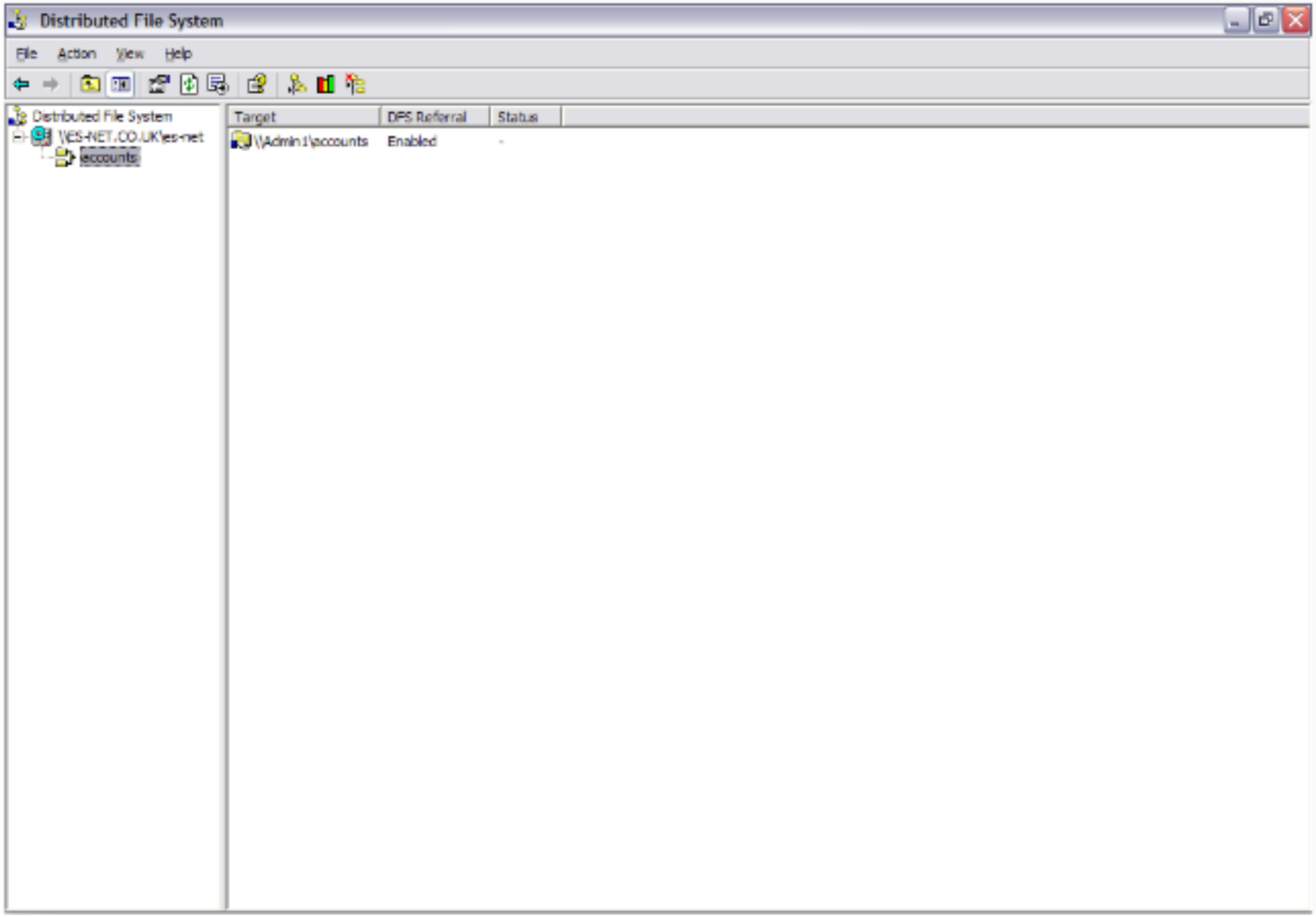

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Root Target
DFS Referral
Status
\\ADMIN3\es-net
Enabled
Online
\\ADMIN1\es-net
Enabled
Online
New Link
Enter a name and path for the new link. When users open this link, they are redirected to the shared folder you select as the target.
Link name:
Preview of UNC path to the link:
\\ES-NET\es-net\
Path to target (shared folder):
Browse...
Comments:
Amount of time clients cache this referral in seconds:
1800
OK
Cancel

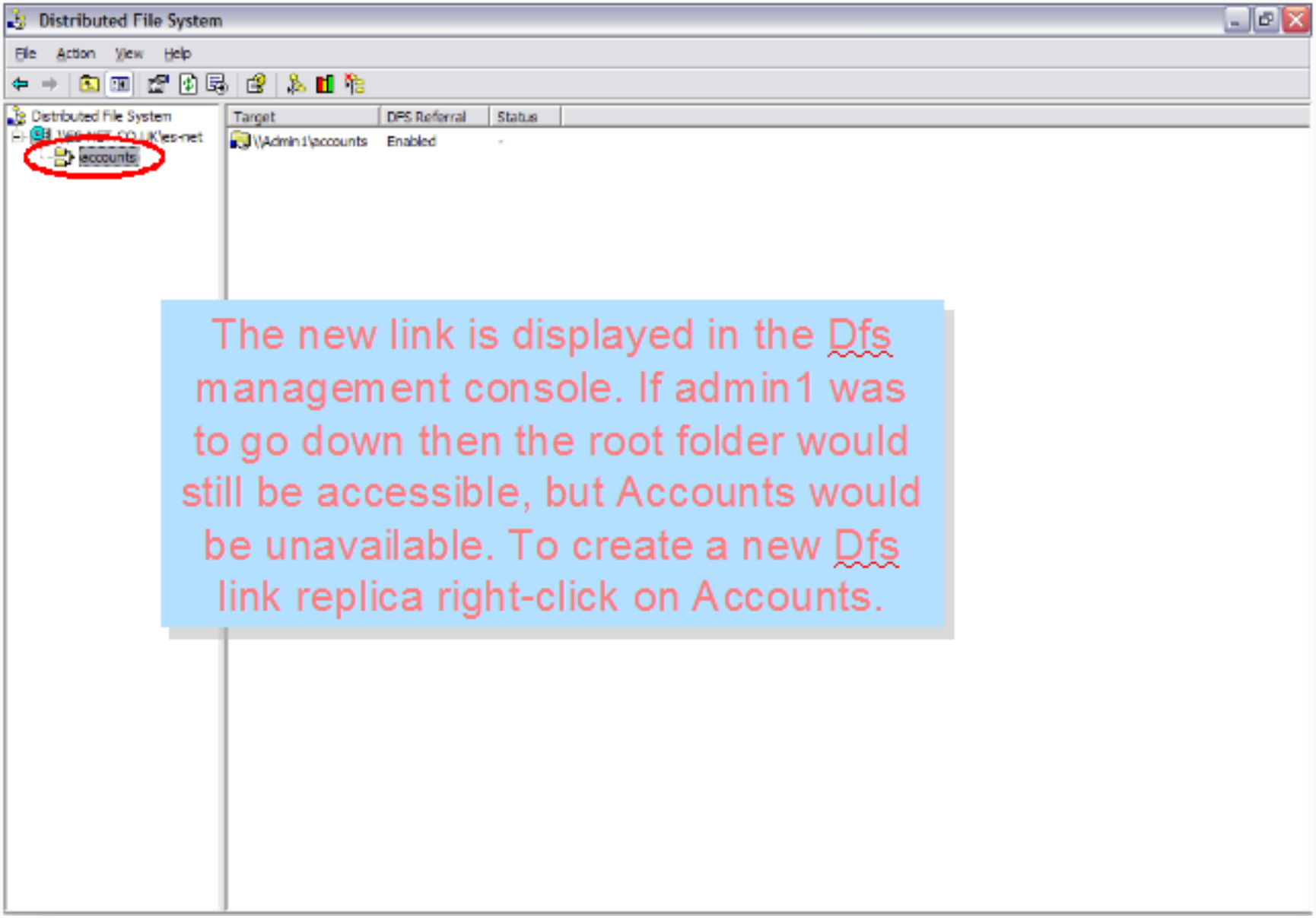

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Root Target
DFS Referral
Status
\\ADMIN3\es-net
Enabled
Online
\\ADMIN1\es-net
Enabled
Online
New Link
Enter a name and path for the new link. When users open this link, they are redirected to the shared folder you select as the target.
Link name:
Preview of UNC path to the link:
\\ES-NET\es-net\
Path to target (shared folder):
Browse...
Comment:
Amount of time clients cache this referral in seconds:
1800
OK
Cancel
Type a Link name and the location of the Target.

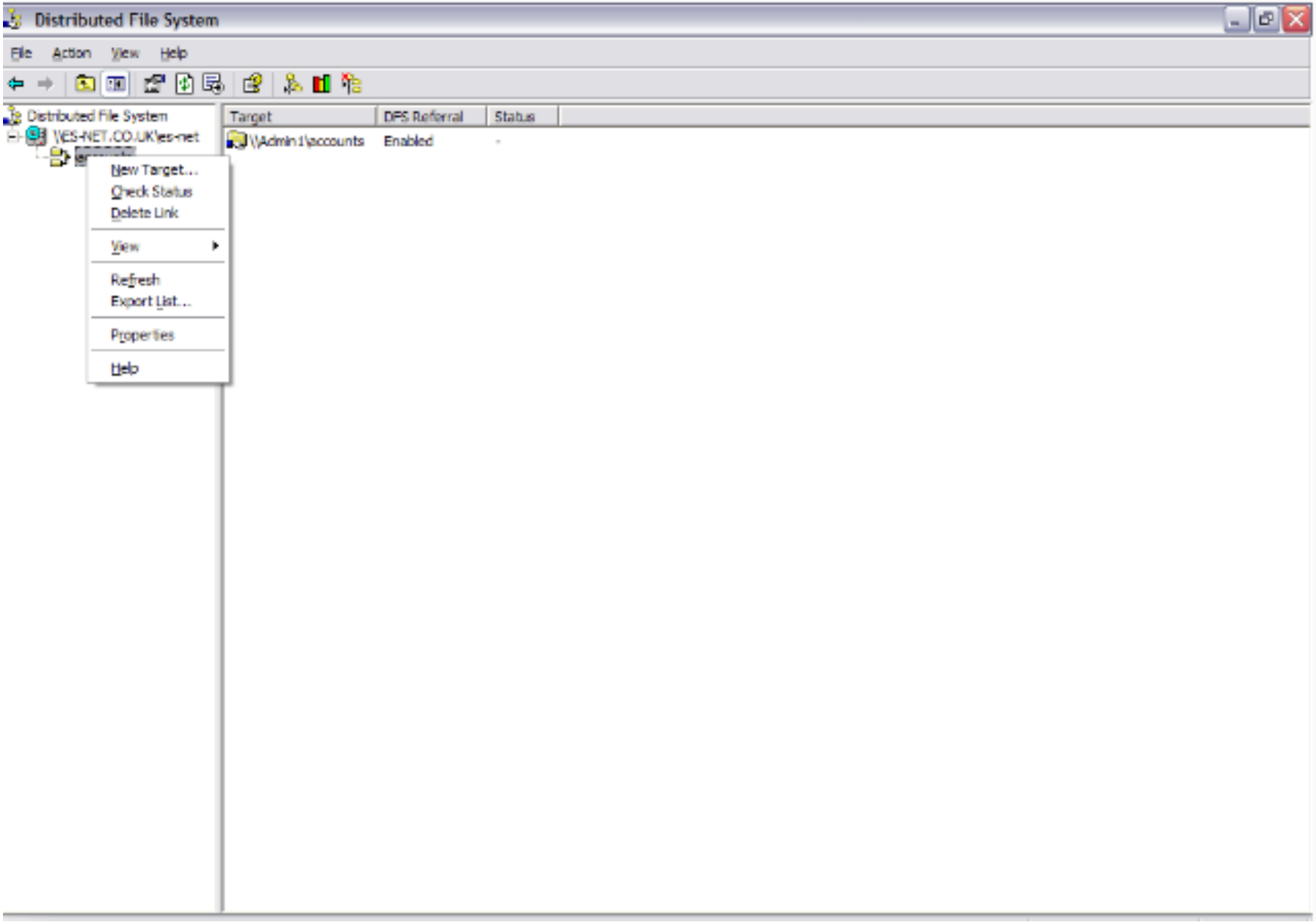

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Root Target
DFS Referral
Status
\\ADMIN3\es-net
Enabled
Online
\\ADMIN1\es-net
Enabled
Online
New Link
Enter a name and path for the new link. When users open this link, they are redirected to the shared folder you select as the target.
Link name:
accounts
Preview of UNC path to the link:
\\ES-NET\es-net\accounts
Path to target (shared folder):
\\Admin1\accounts
Browse...
Comments:
Amount of time clients cache this referral in seconds:
1800
OK
Cancel

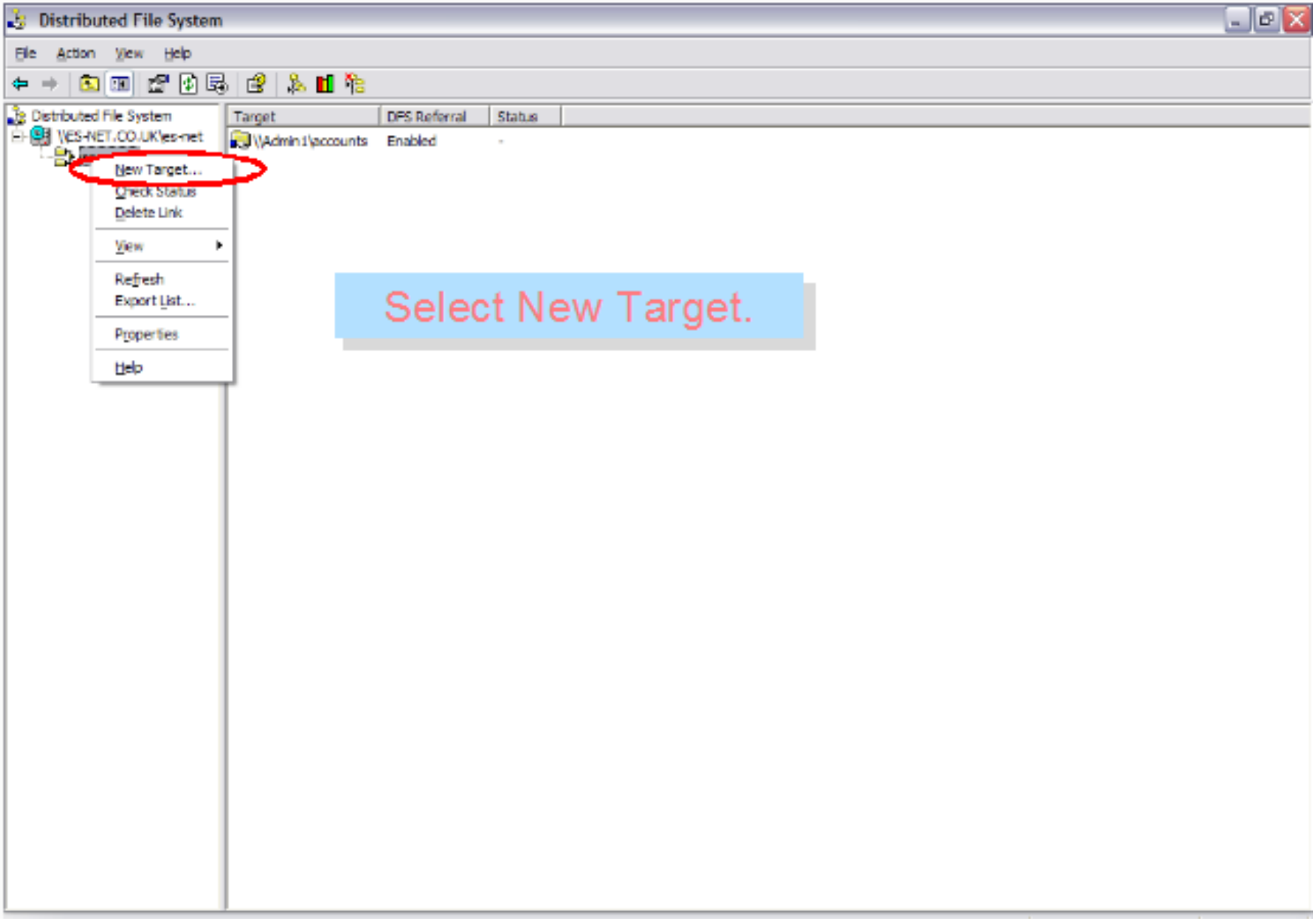

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Root Target
DFS Referral
Status
\\ADMIN3\es-net
Enabled
Online
\\ADMIN1\es-net
Enabled
Online
New Link
Enter a name and path for the new link. When users open this link, they are redirected to the shared folder you select as the target.
Link name:
accounts
Preview of UNC path to the link:
\\ES-NET\es-net\accounts
Path to target (shared folder):
\\Admin1\accounts
Browse...
Comments:
Amount of time clients cache this referral in seconds:
1800
OK
Cancel
Accounts will link to \\Admin1\accounts. Click OK to continue.

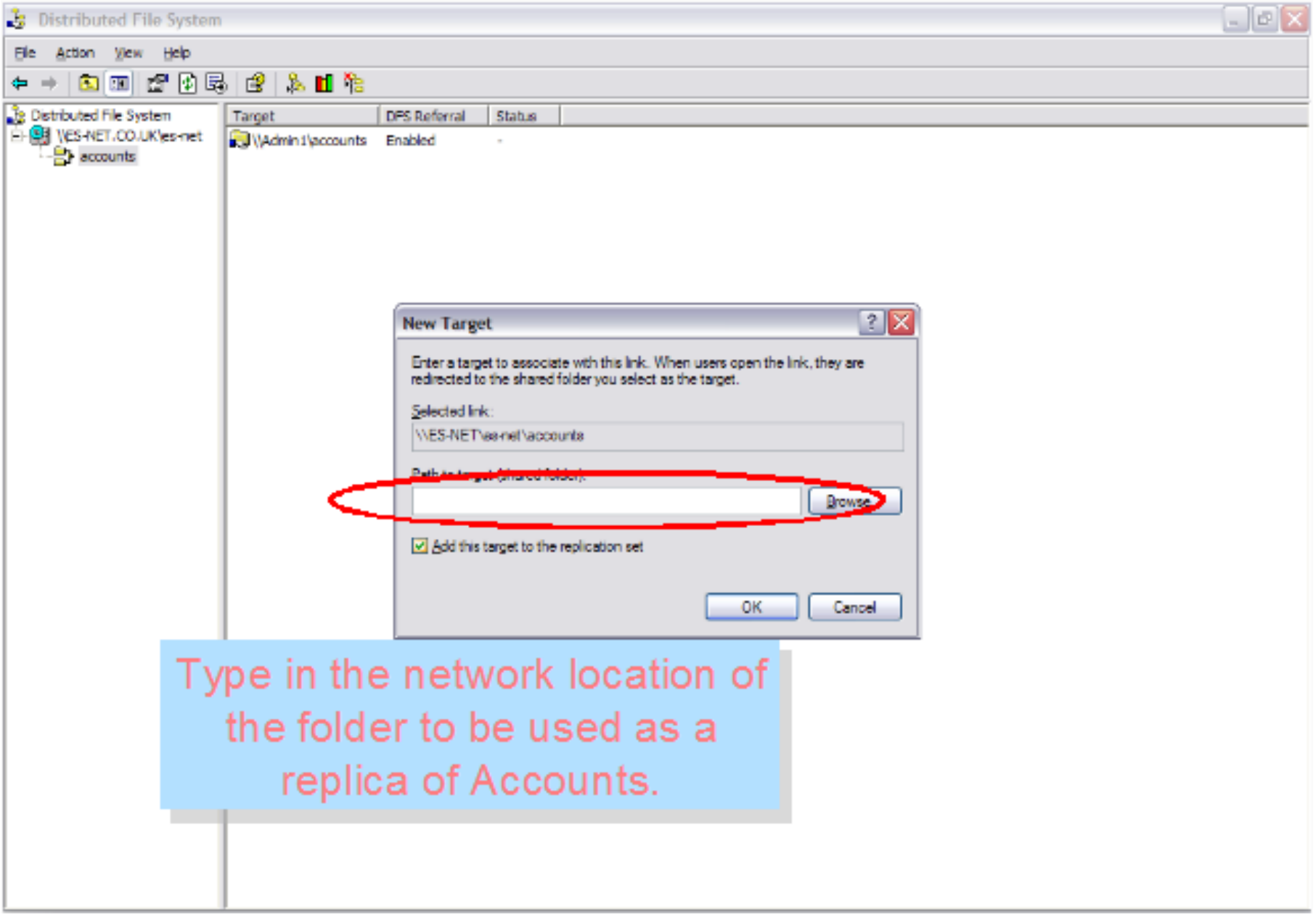

Distributed File System
File
Action
View
Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled

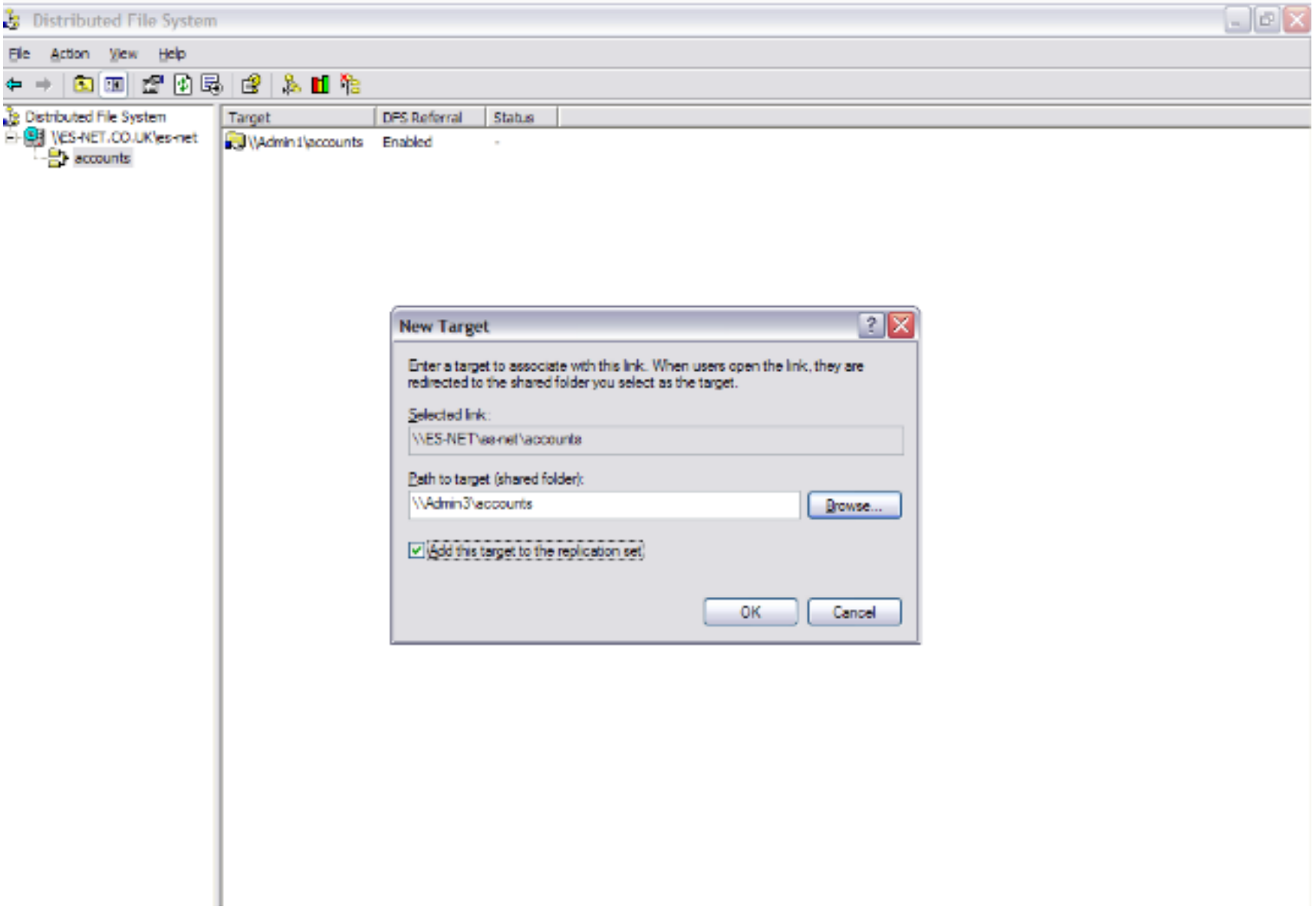

Distributed File System
File
Action
View
Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled

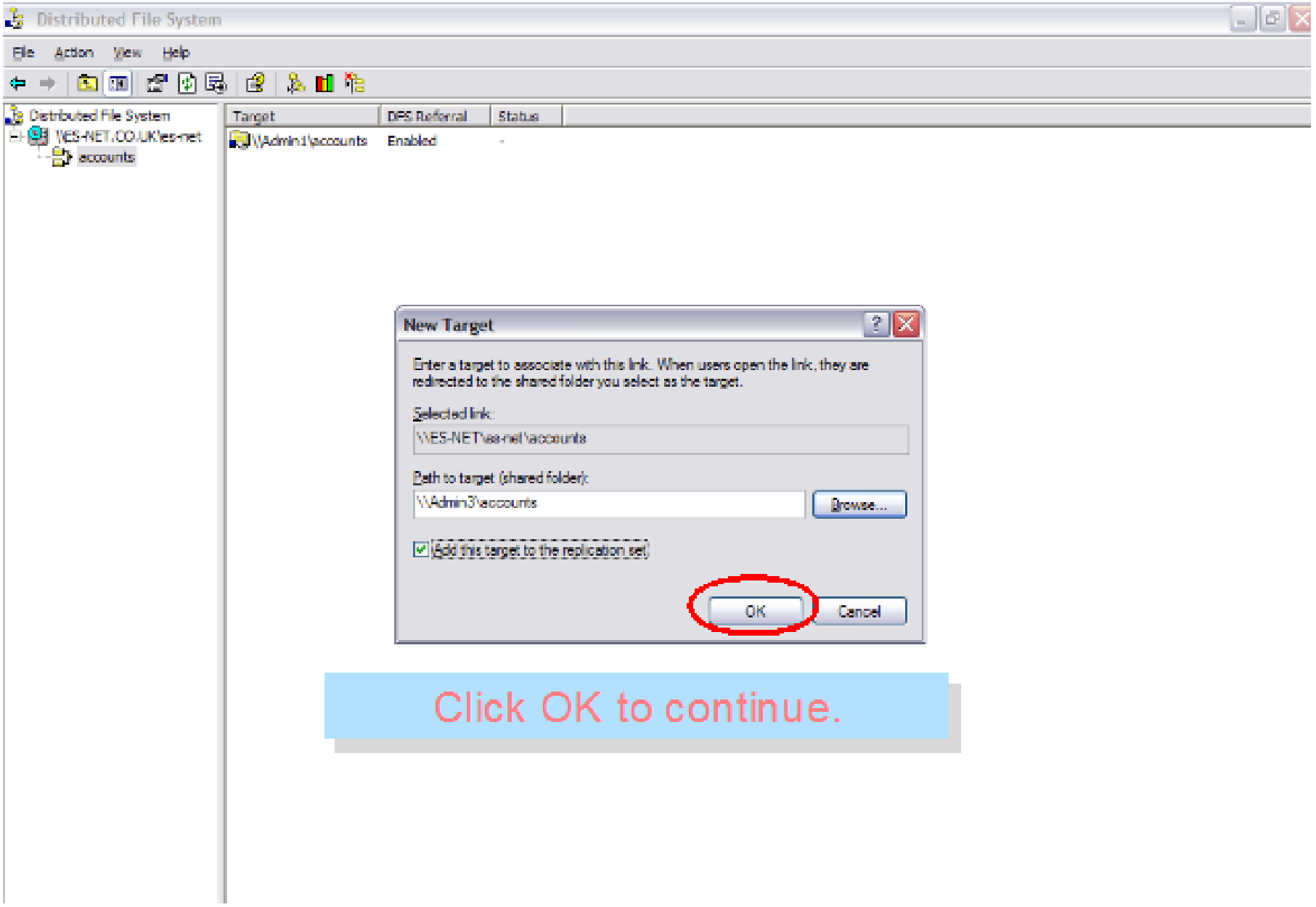

Distributed File System
File Action View Help
Distributed File System
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
The new link is displayed in the Dfs management console. If admin1 was to go down then the root folder would still be accessible, but Accounts would be unavailable. To create a new Dfs link replica right-click on Accounts.

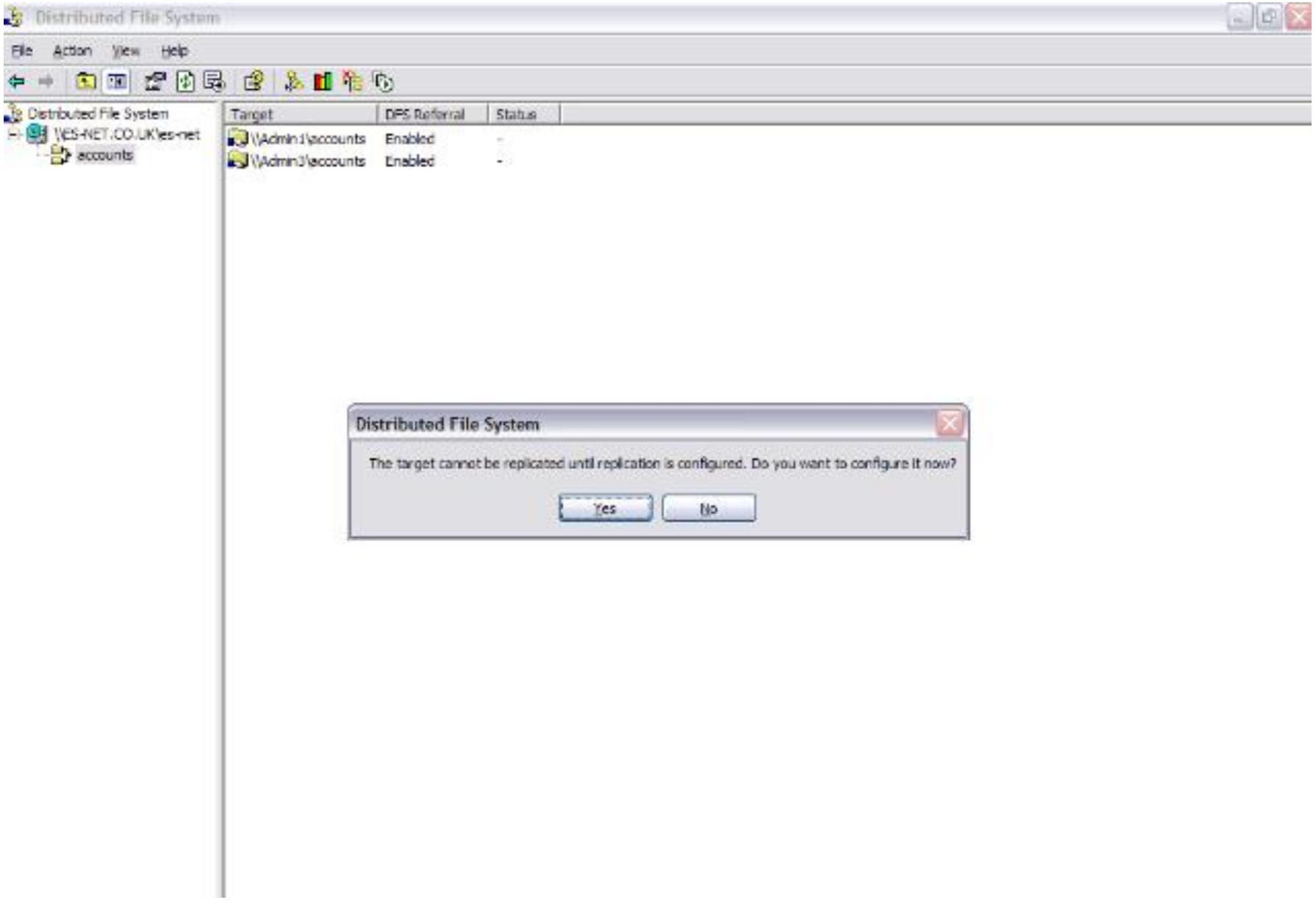

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
New Target...
Check Status
Delete Link
View
Refresh
Export List...
Properties
Help

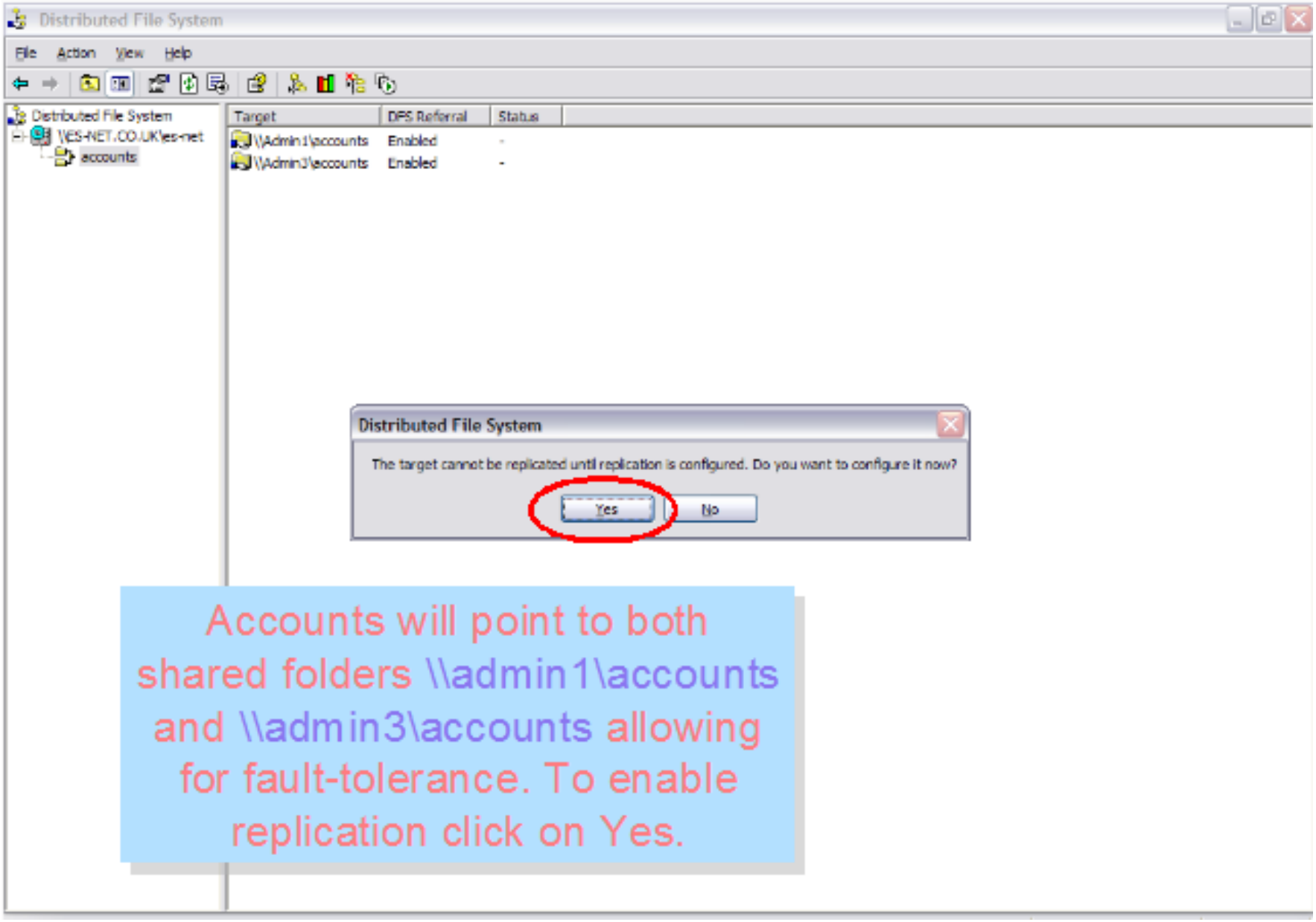

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
New Target...
Check Status
Delete Link
View
Refresh
Export List...
Properties
Help
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
Select New Target.

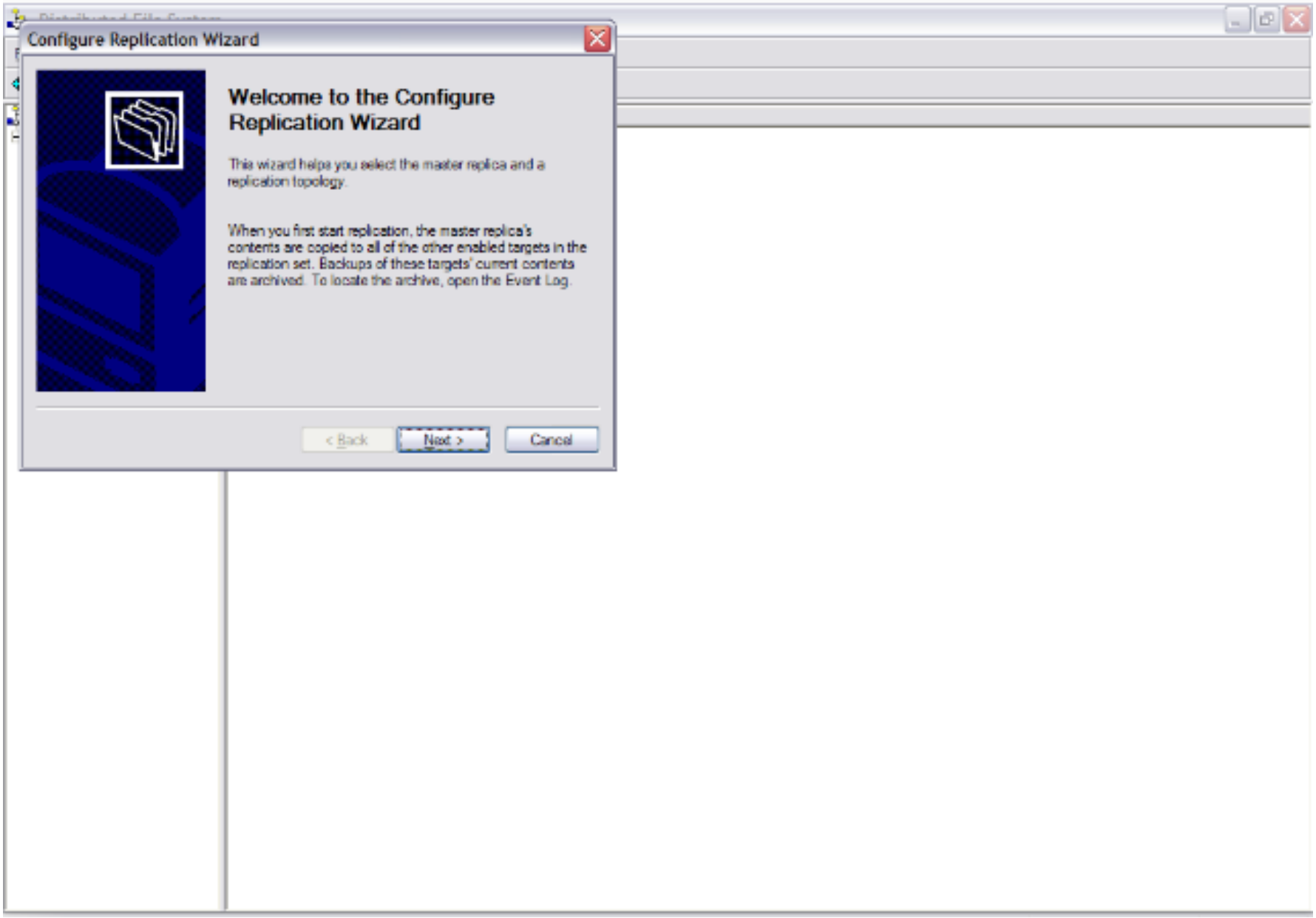

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
New Target
Enter a target to associate with this link. When users open the link, they are redirected to the shared folder you select as the target.
Selected link:
\\ES-NET\es-net\accounts
Browse...
Add this target to the replication set
OK
Cancel
Type in the network location of the folder to be used as a replica of Accounts.

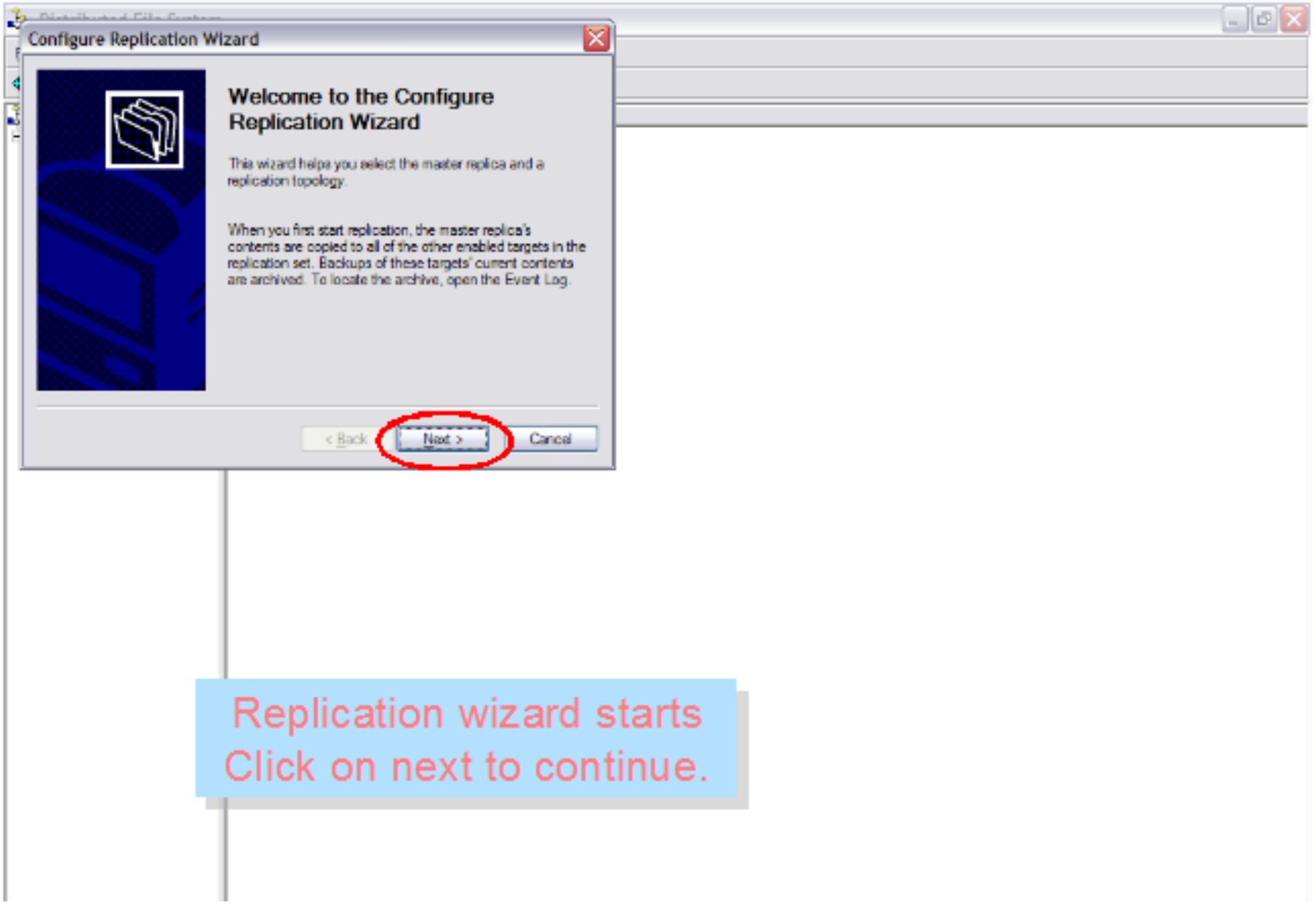

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
New Target
Enter a target to associate with this link. When users open the link, they are redirected to the shared folder you select as the target.
Selected link:
\\ES-NET\es-net\accounts
Path to target (shared folder):
\\Admin3\accounts
Browse...
Add this target to the replication set
OK
Cancel


Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
New Target
Enter a target to associate with this link. When users open the link, they are redirected to the shared folder you select as the target.
Selected link:
\\ES-NET\es-net\accounts
Path to target (shared folder):
\\Admin3\accounts
Browse...
Add this target to the replication set
OK
Cancel
Click OK to continue.


Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
\\Admin3\accounts
Enabled
Distributed File System
The target cannot be replicated until replication is configured. Do you want to configure it now?
Yes
No


Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin1\accounts
Enabled
\\Admin3\accounts
Enabled
Distributed File System
The target cannot be replicated until replication is configured. Do you want to configure it now?
Yes
No
Accounts will point to both shared folders \\admin1\accounts and \\admin3\accounts allowing for fault-tolerance. To enable replication click on Yes.


Configure Replication Wizard
Welcome to the Configure Replication Wizard
This wizard helps you select the master replica and a replication topology.
When you first start replication, the master replica's contents are copied to all of the other enabled targets in the replication set. Backups of these targets' current contents are archived. To locate the archive, open the Event Log.
< Back
Next >
Cancel


Configure Replication Wizard
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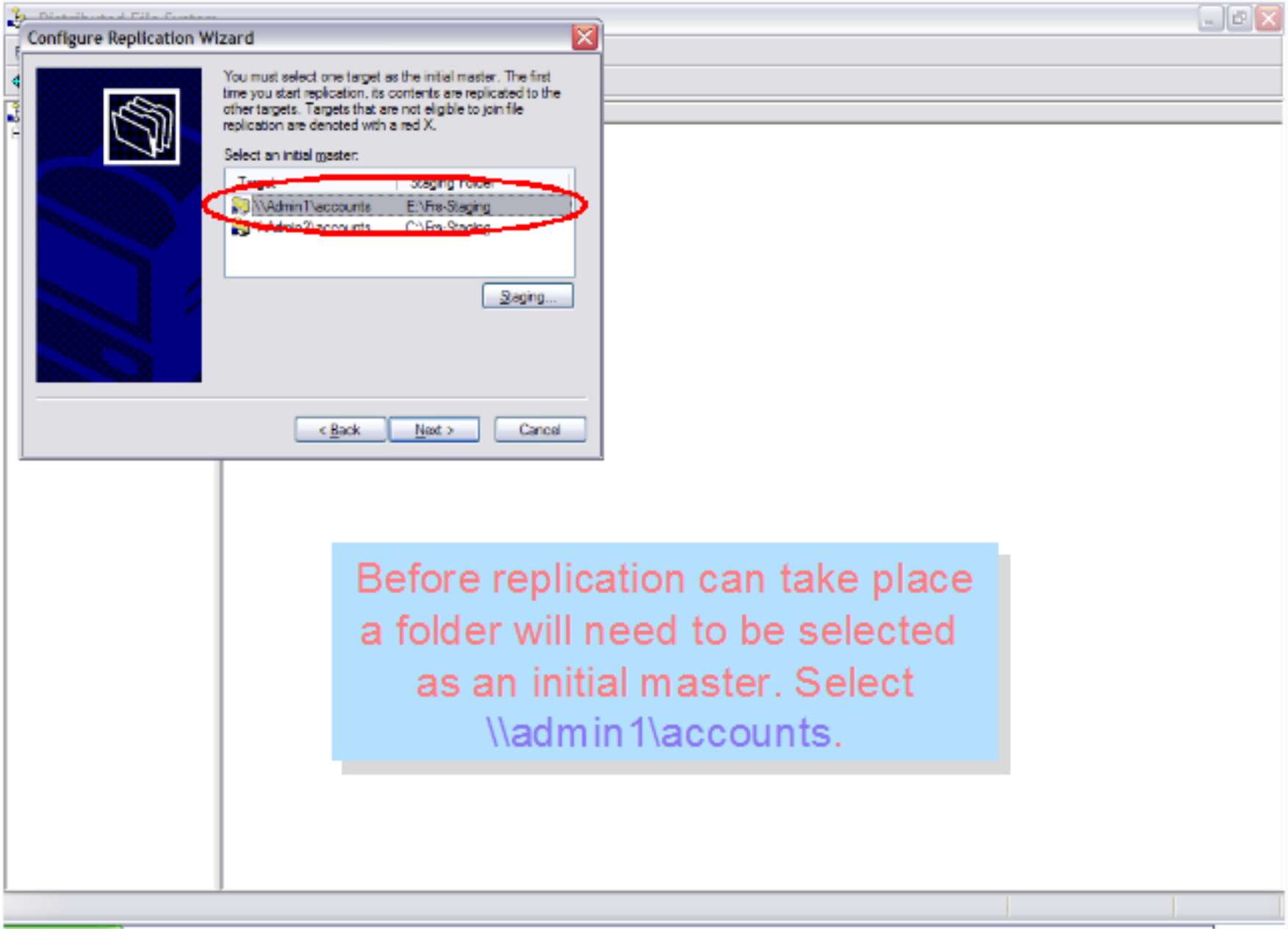
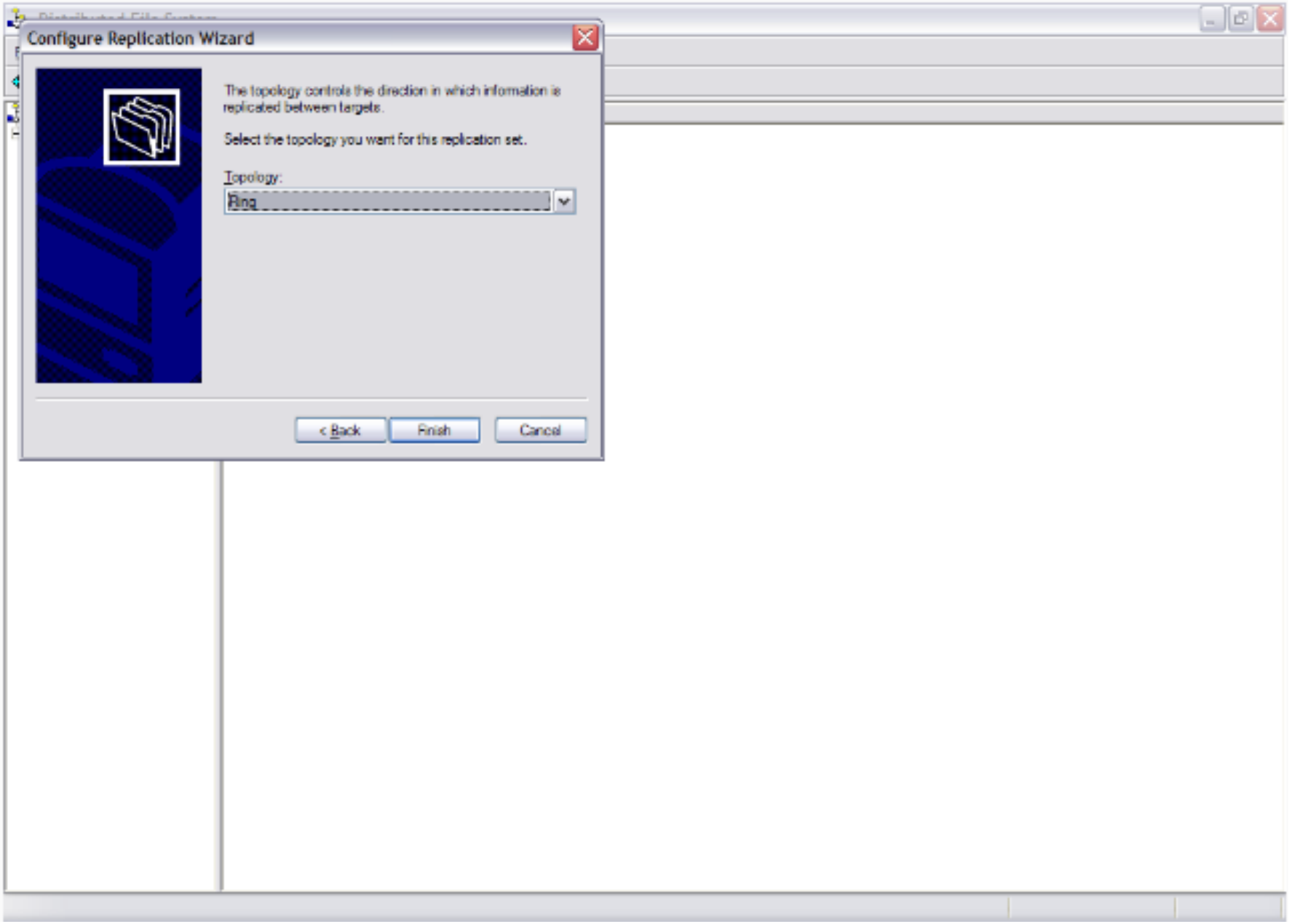
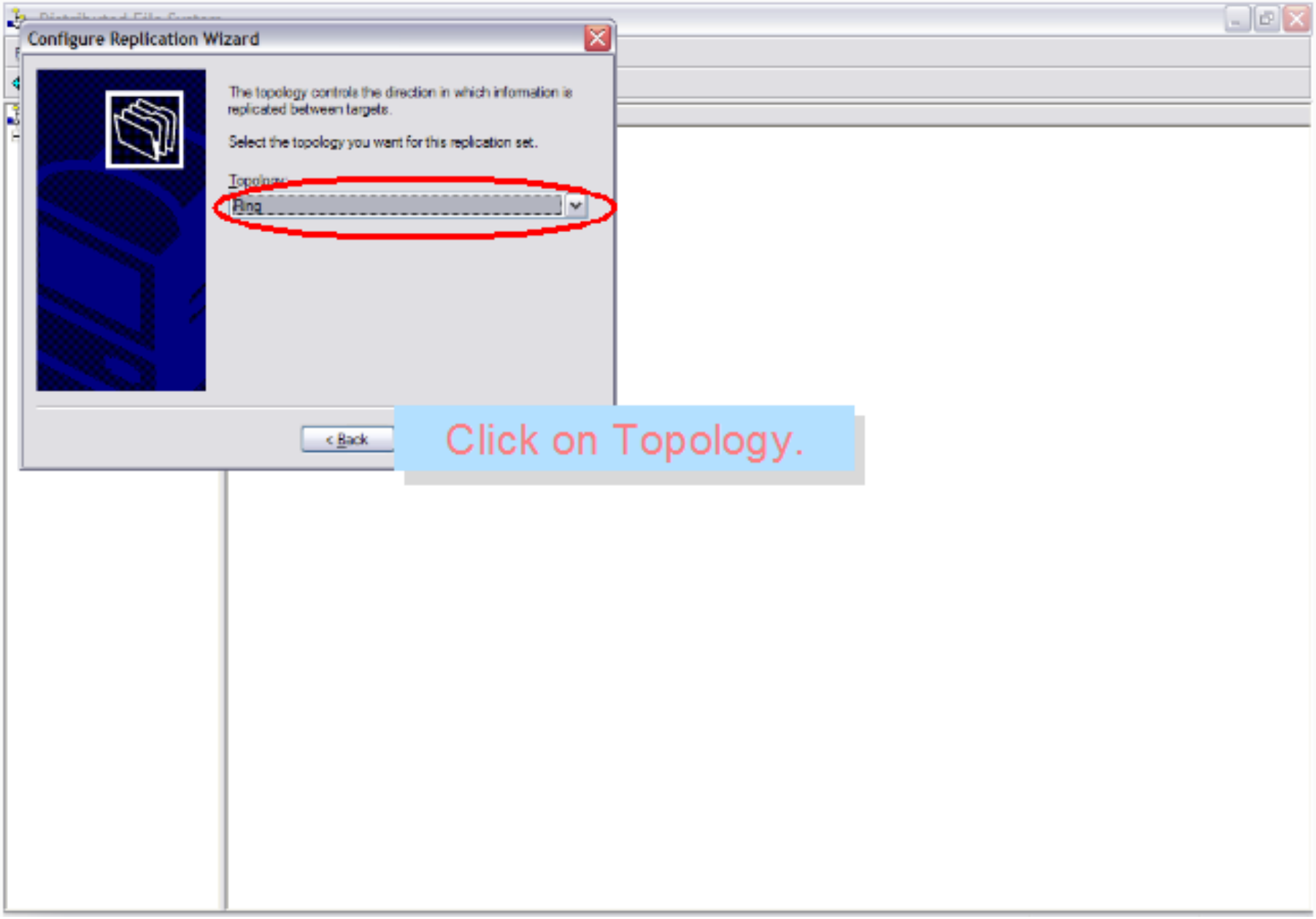
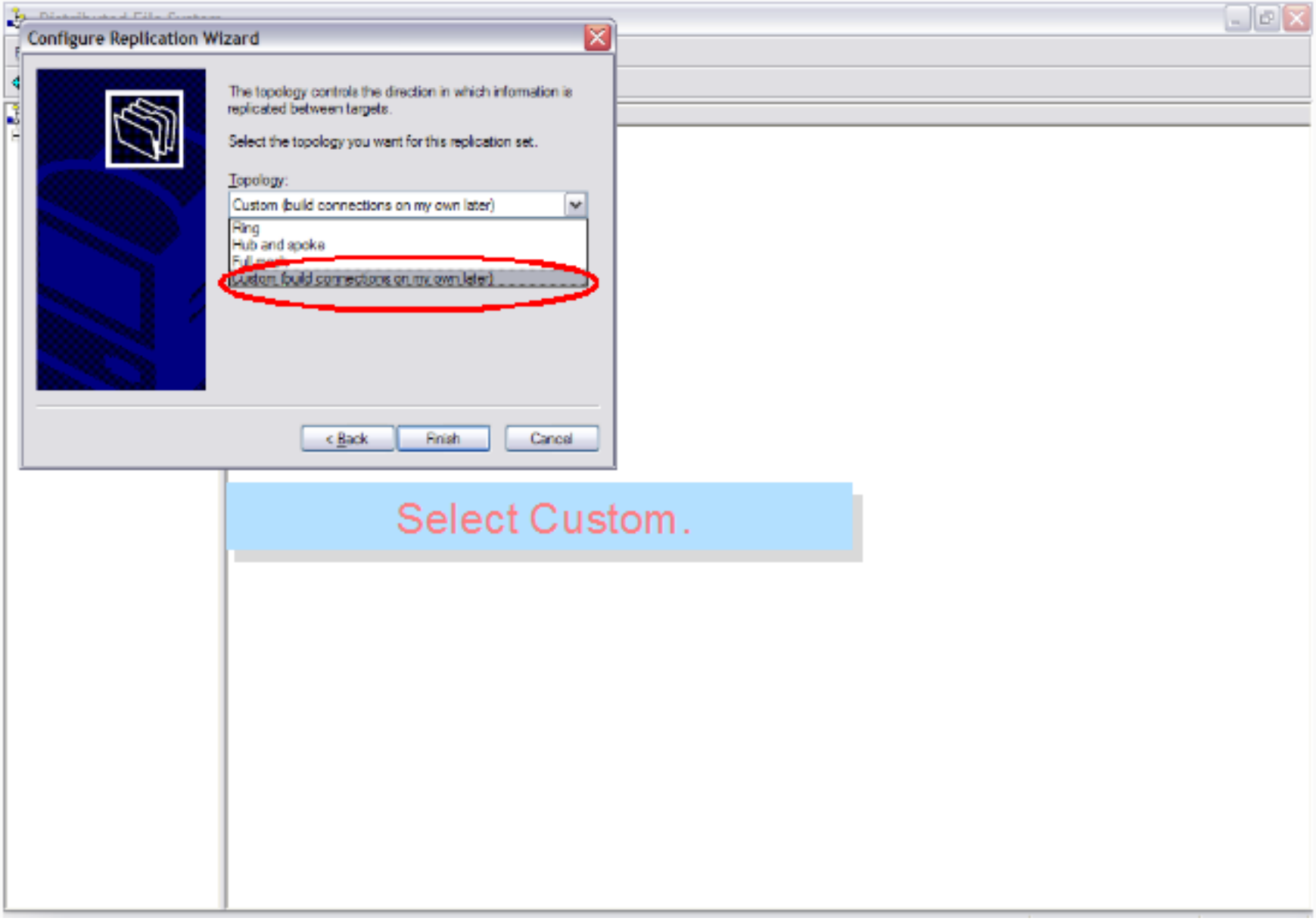
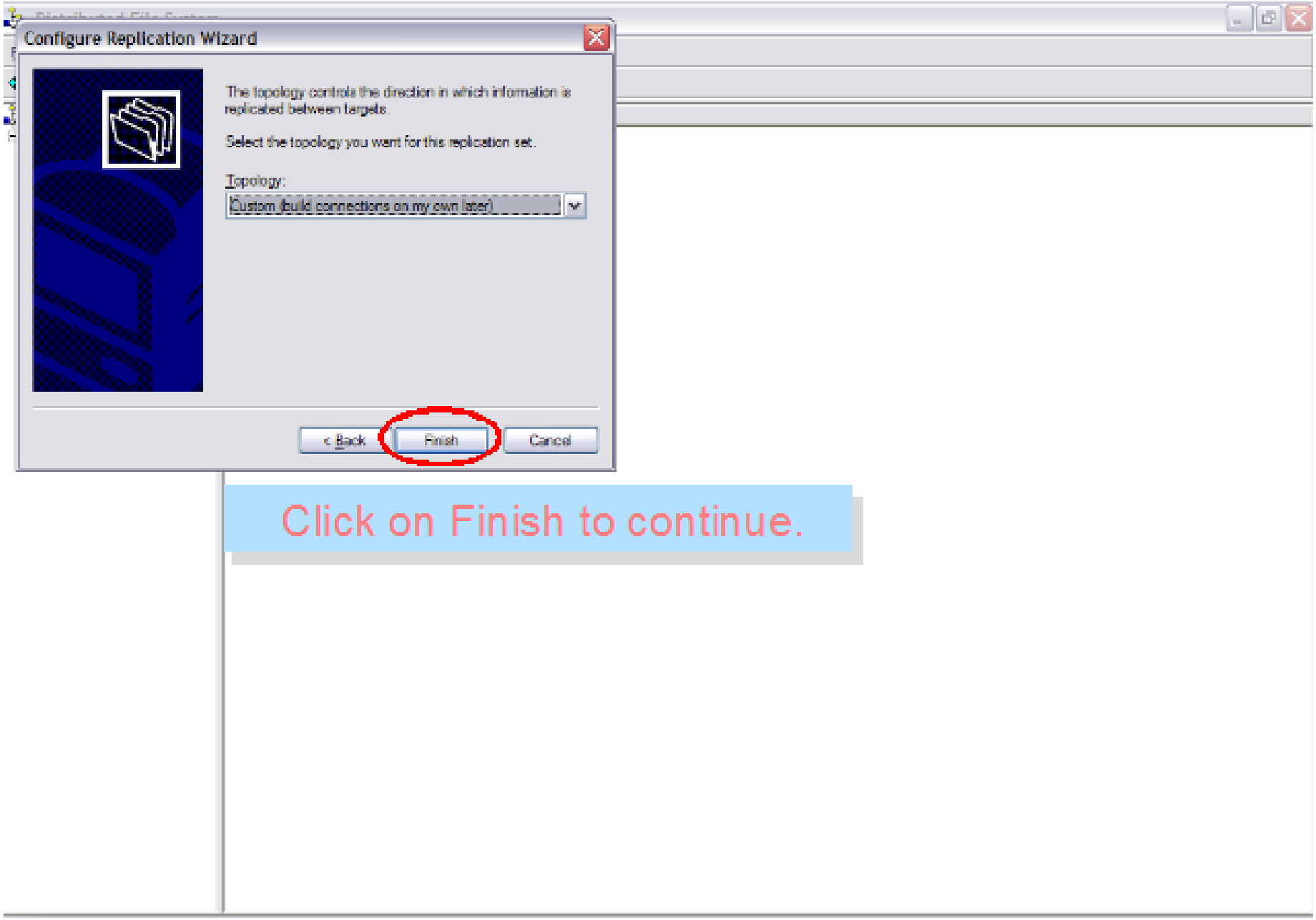
This wizard helps you select the master replica and a replication topology.
When you first start replication, the master replica's contents are copied to all of the other enabled targets in the replication set. Backups of these targets' current contents are archived. To locate the archive, open the Event Log.
< Back
Next >
Cancel
Replication wizard starts
Click on next to continue.

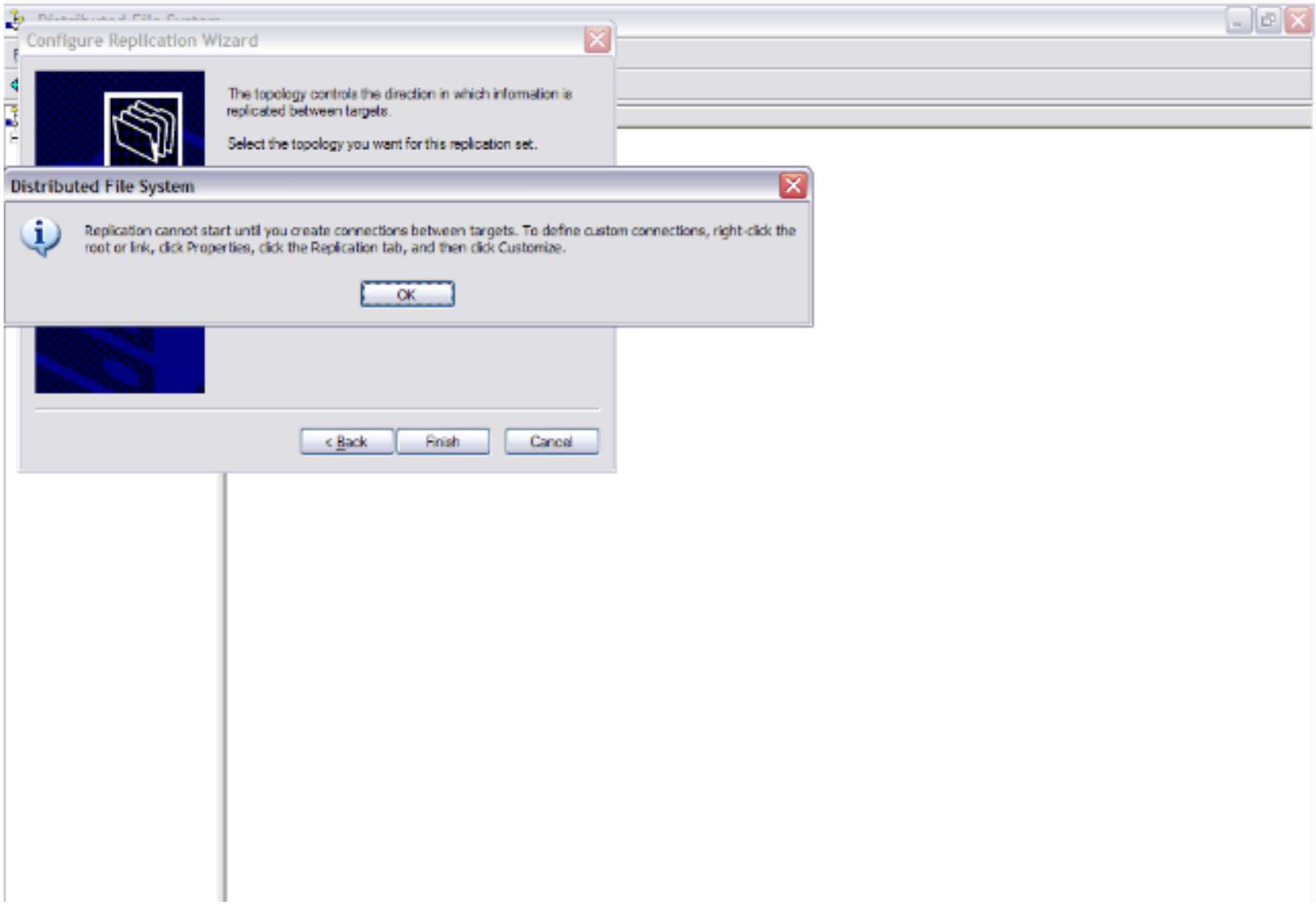

Configure Replication Wizard
You must select one target as the initial master. The first time you start replication, its contents are replicated to the other targets. Targets that are not eligible to join file replication are denoted with a red X.
Select an initial master:
Target
Staging Folder
\\Admin1\accounts
E:\Frs-Staging
Staging...
< Back
Next >
Cancel
Before replication can take place a folder will need to be selected as an initial master. Select \\admin1\accounts.

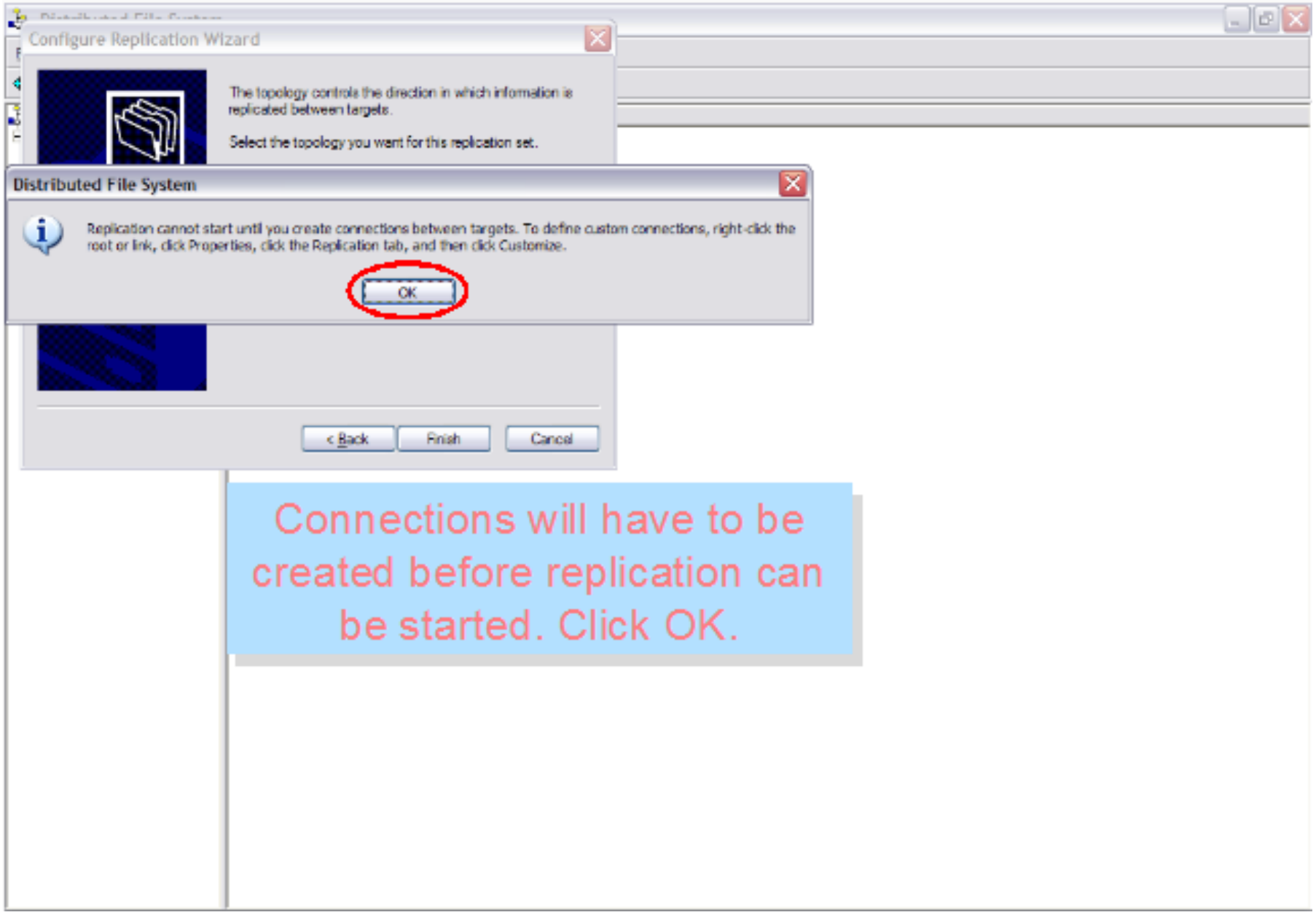

Configure Replication Wizard
The topology controls the direction in which information is replicated between targets.
Select the topology you want for this replication set.
Topology:
Ring
< Back
Finish
Cancel

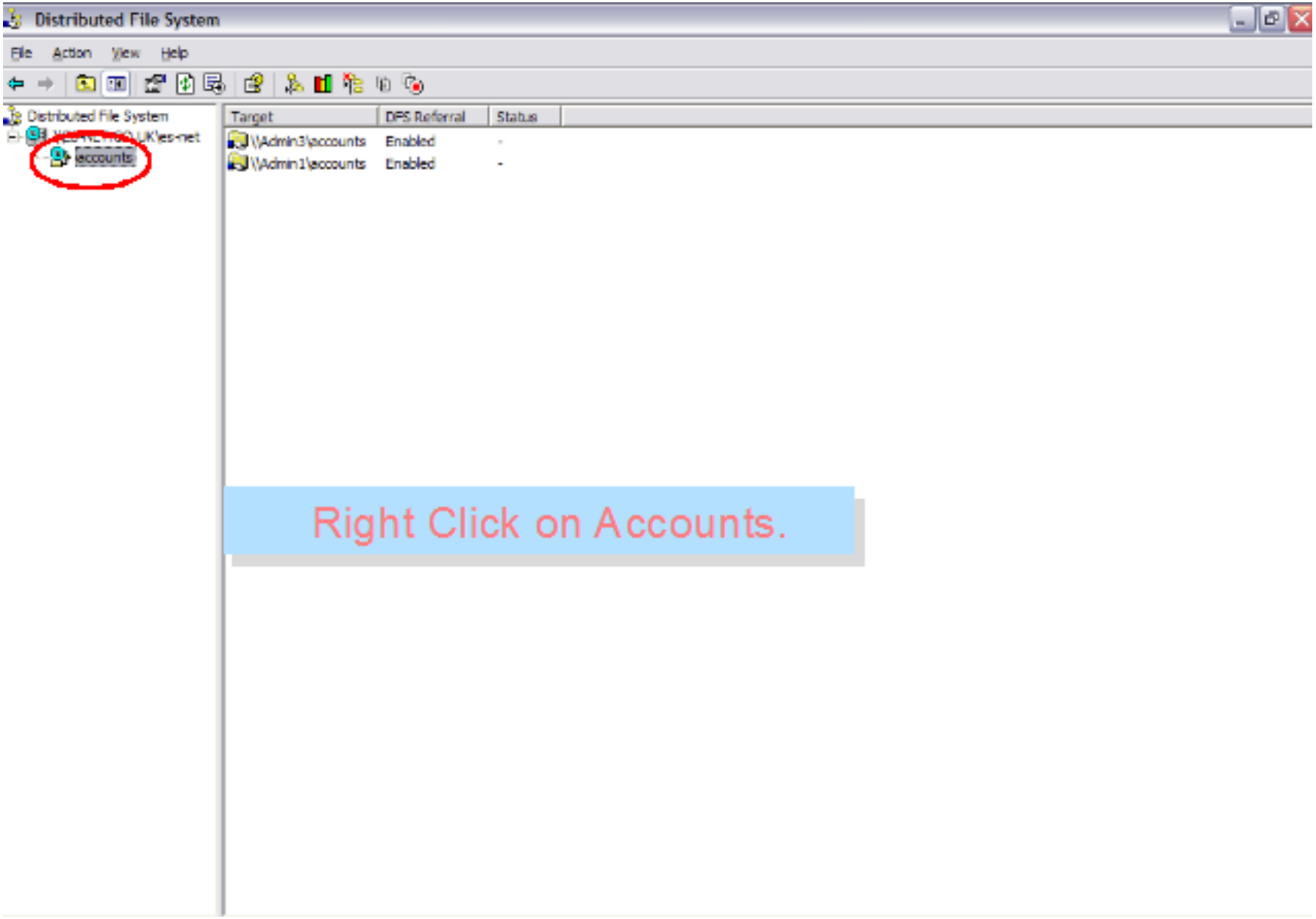

Configure Replication Wizard
The topology controls the direction in which information is replicated between targets.
Select the topology you want for this replication set.
Topology:
Ring
< Back
Click on Topology.

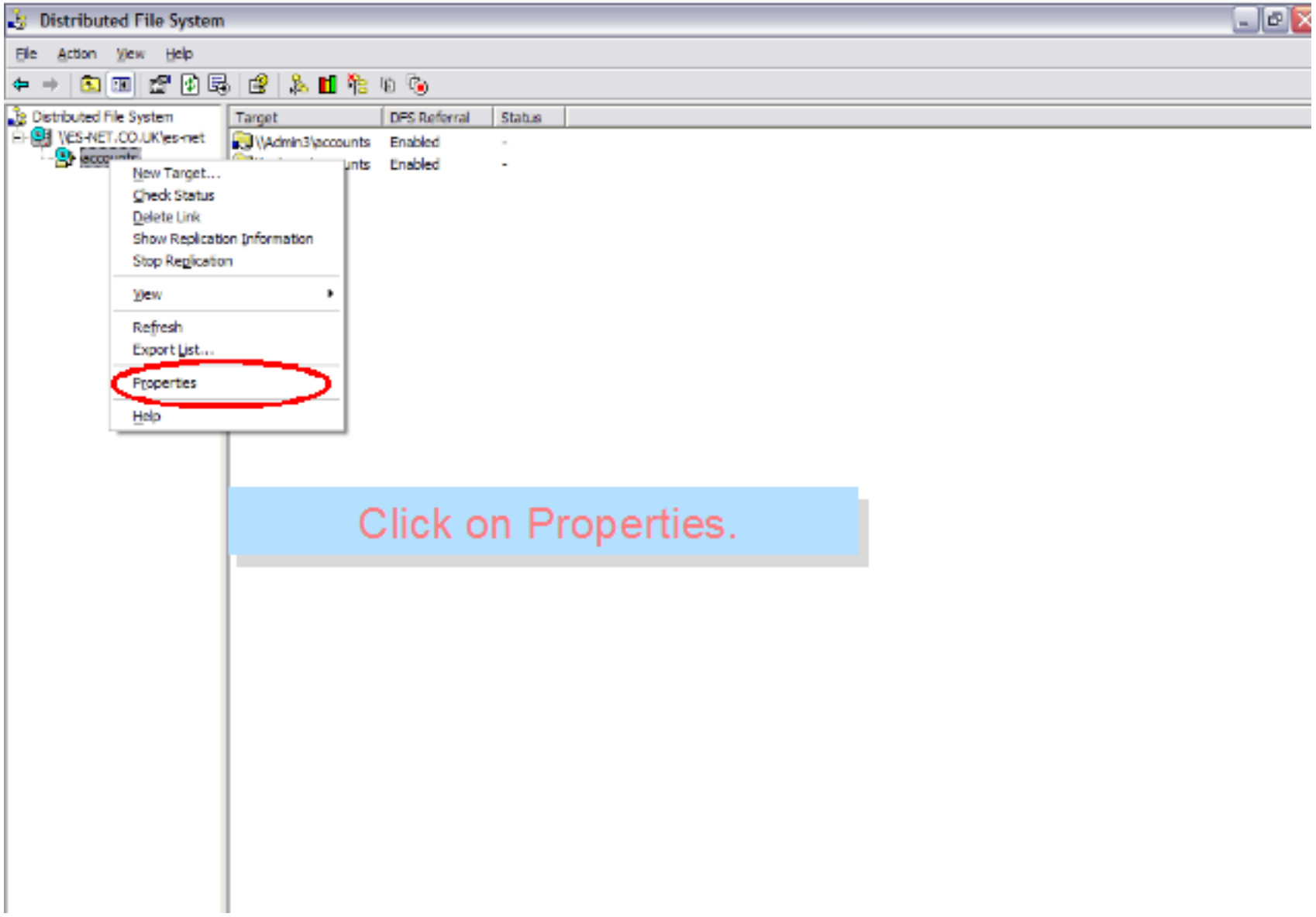

Configure Replication Wizard
The topology controls the direction in which information is replicated between targets.
Select the topology you want for this replication set.
Topology:
Custom (build connections on my own later)
Ring
Hub and spoke
Custom (build connections on my own later)
< Back
Finish
Cancel
Select Custom.

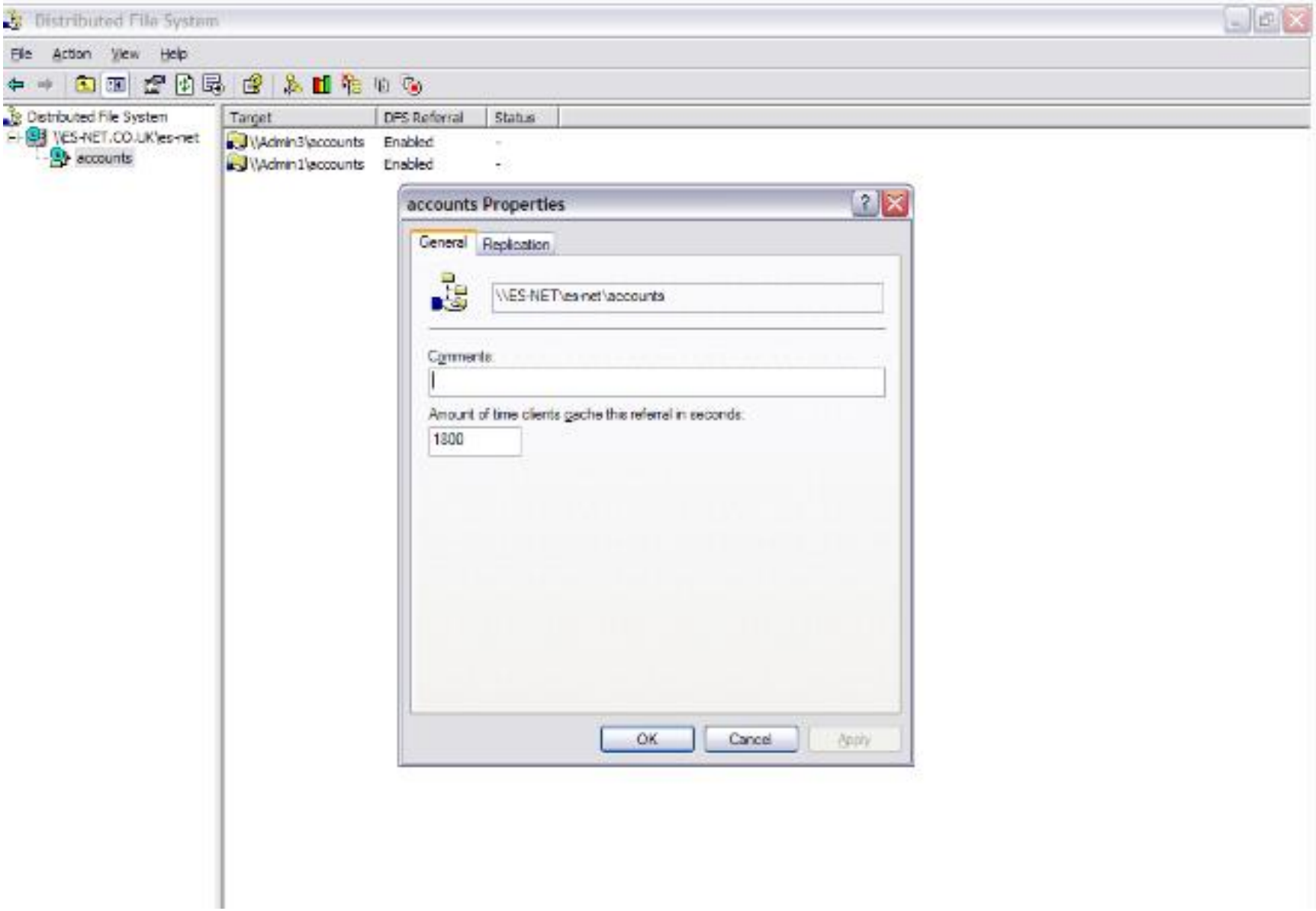

Configure Replication Wizard
The topology controls the direction in which information is replicated between targets.
Select the topology you want for this replication set.
Topology:
Custom (build connections on my own later)
< Back
Finish
Cancel
Click on Finish to continue.

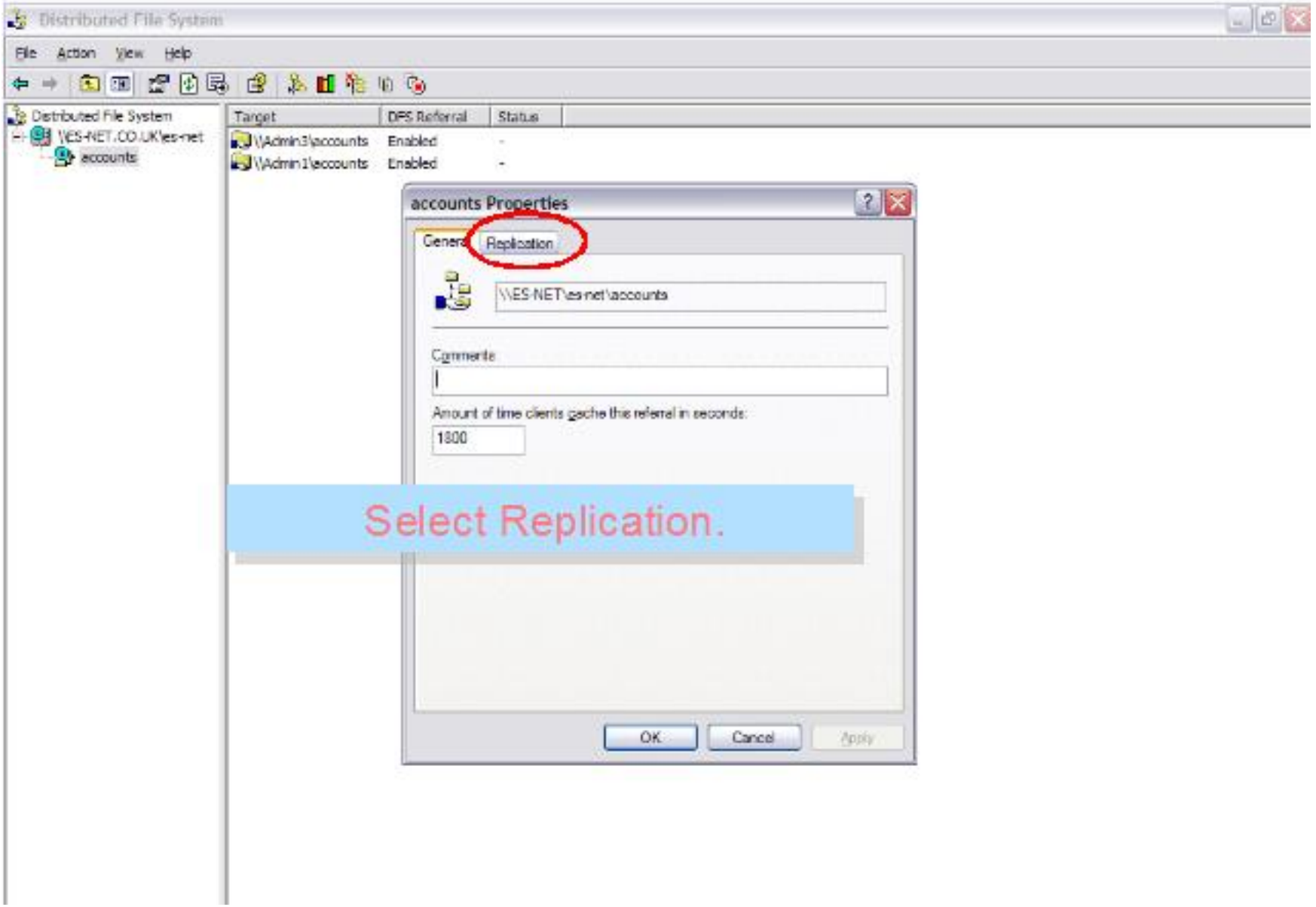

Configure Replication Wizard
The topology controls the direction in which information is replicated between targets.
Select the topology you want for this replication set.
Distributed File System
Replication cannot start until you create connections between targets. To define custom connections, right-click the root or link, click Properties, click the Replication tab, and then click Customize.
OK
< Back
Finish
Cancel

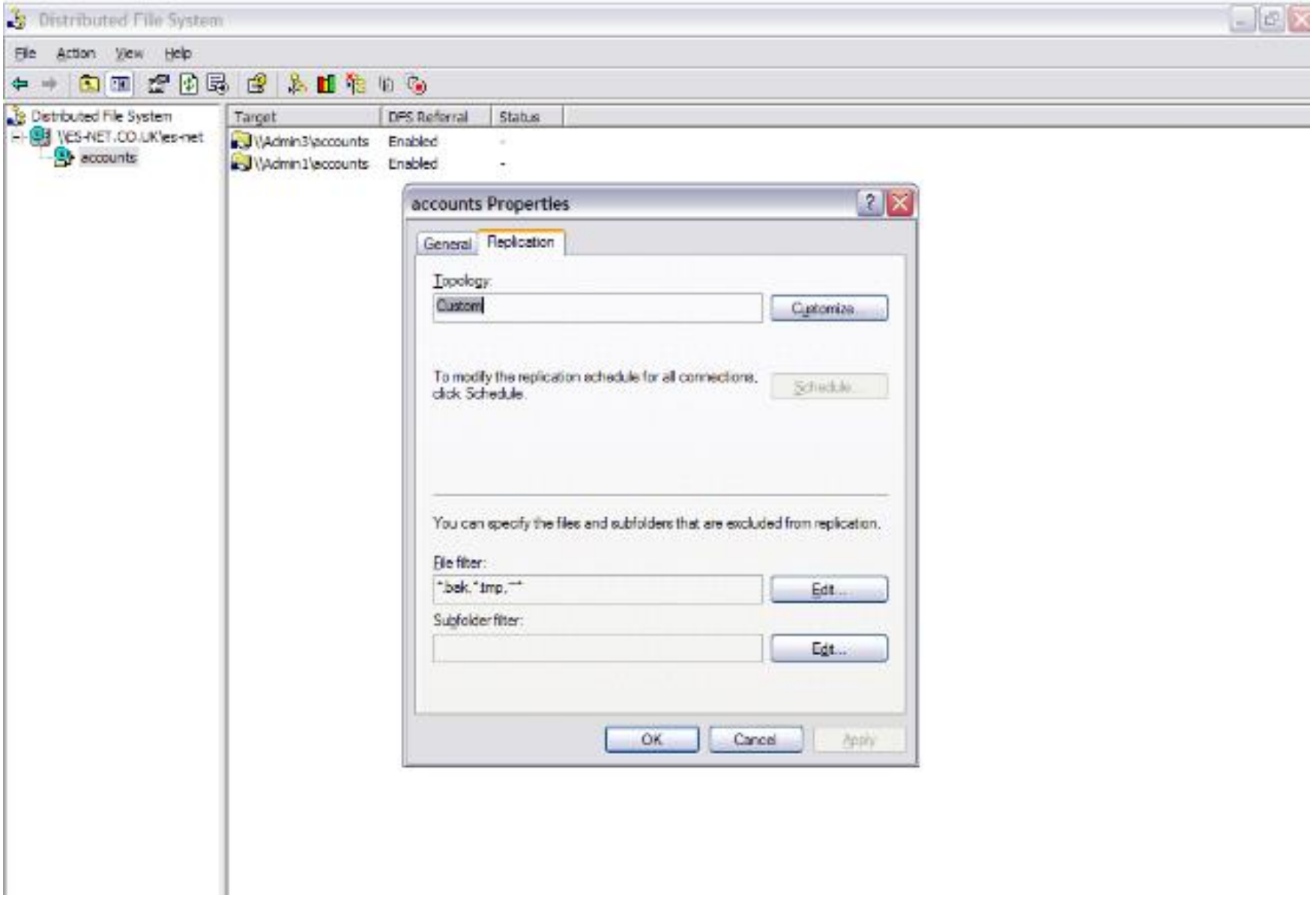

Configure Replication Wizard
The topology controls the direction in which information is replicated between targets.
Select the topology you want for this replication set.
Distributed File System
Replication cannot start until you create connections between targets. To define custom connections, right-click the root or link, click Properties, click the Replication tab, and then click Customize.
OK
< Back
Finish
Cancel
Connections will have to be created before replication can be started. Click OK.

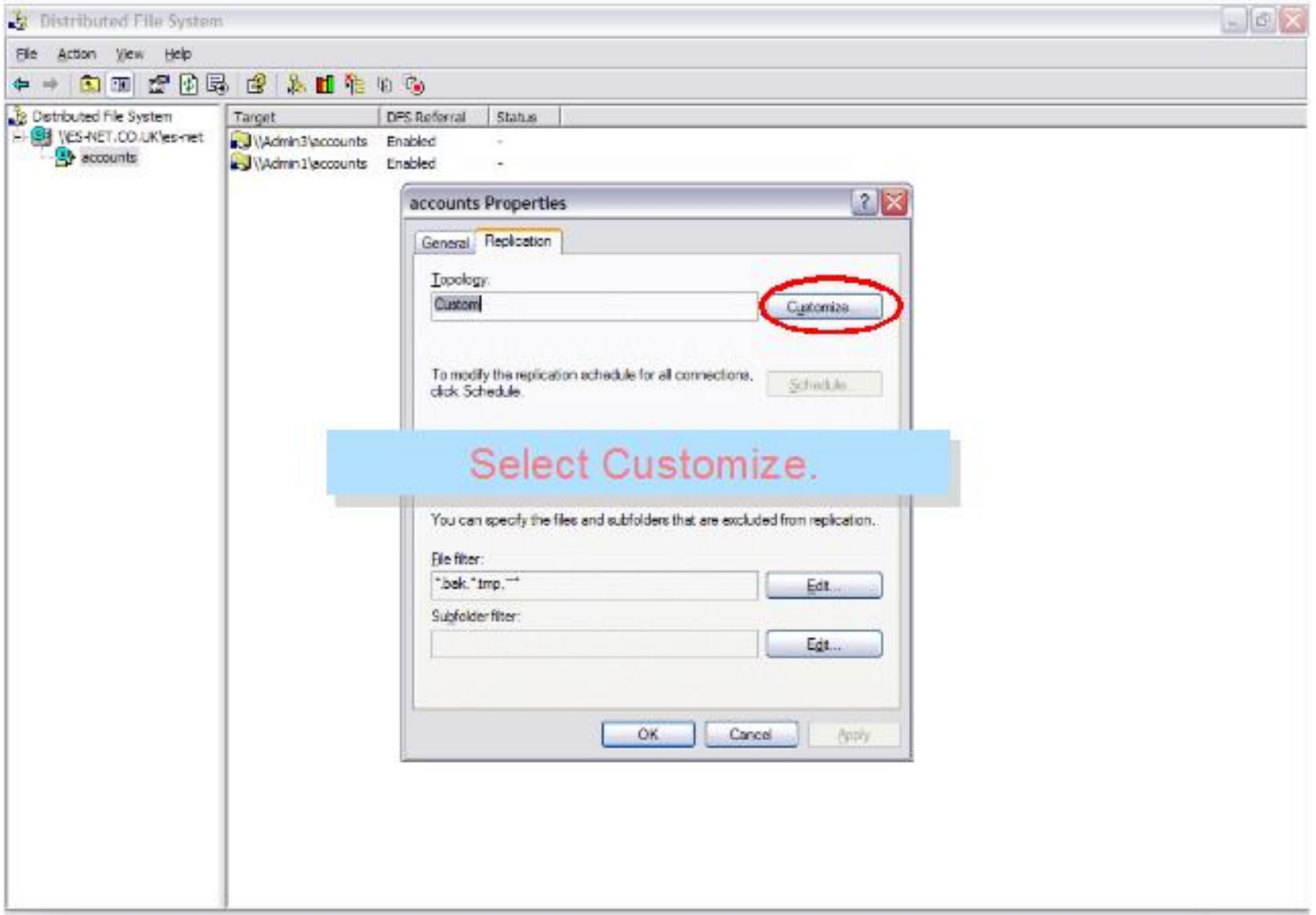

Distributed File System
File Action View Help
Distributed File System
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
Right Click on Accounts.

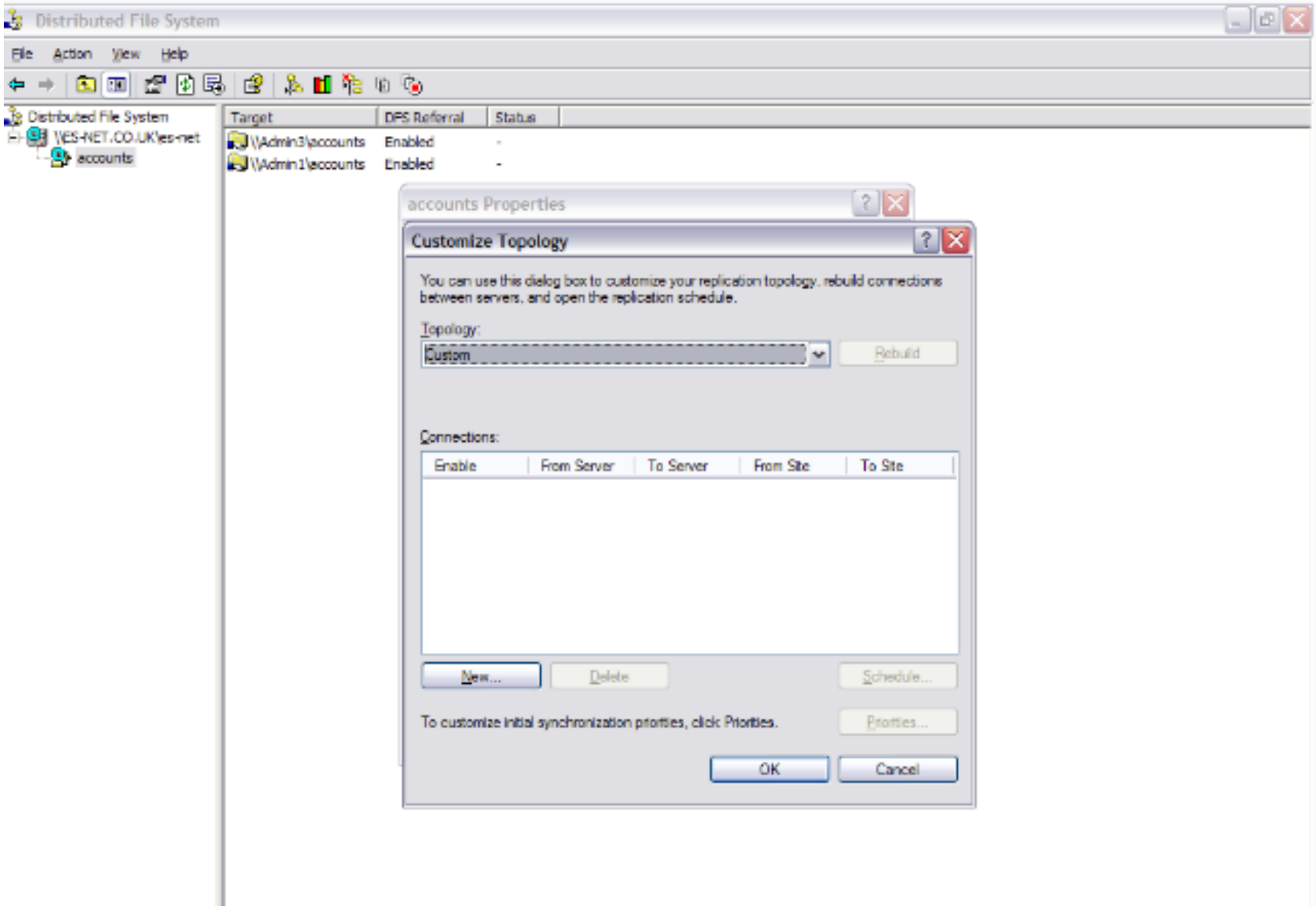

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
Enabled
New Target...
Check Status
Delete Link
Show Replication Information
Stop Replication
View
Refresh
Export List...
Properties
Help
Click on Properties.

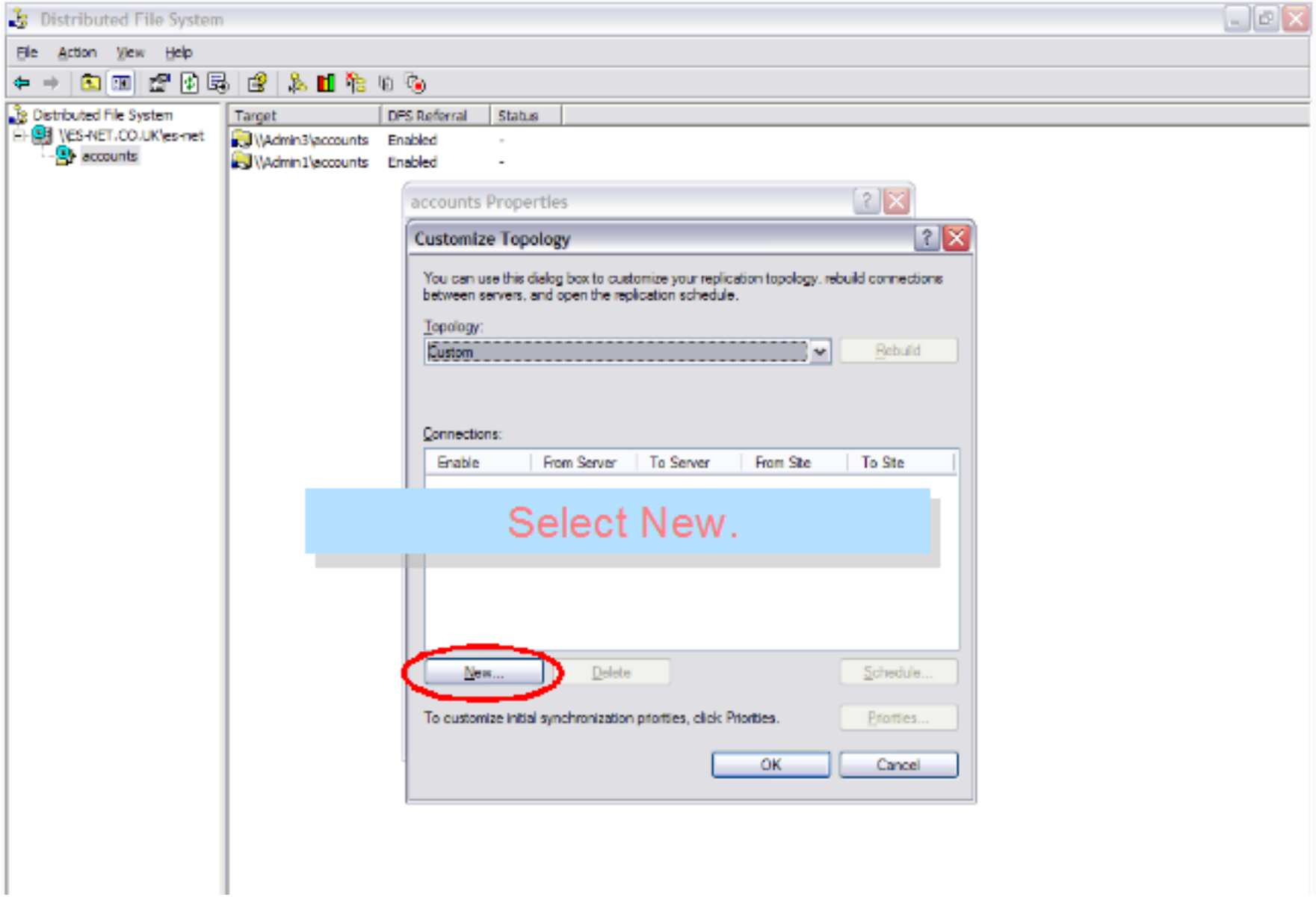

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
General
Replication
\\ES-NET\es-net\accounts
Comments:
Amount of time clients cache this referral in seconds:
1800
OK
Cancel
Apply

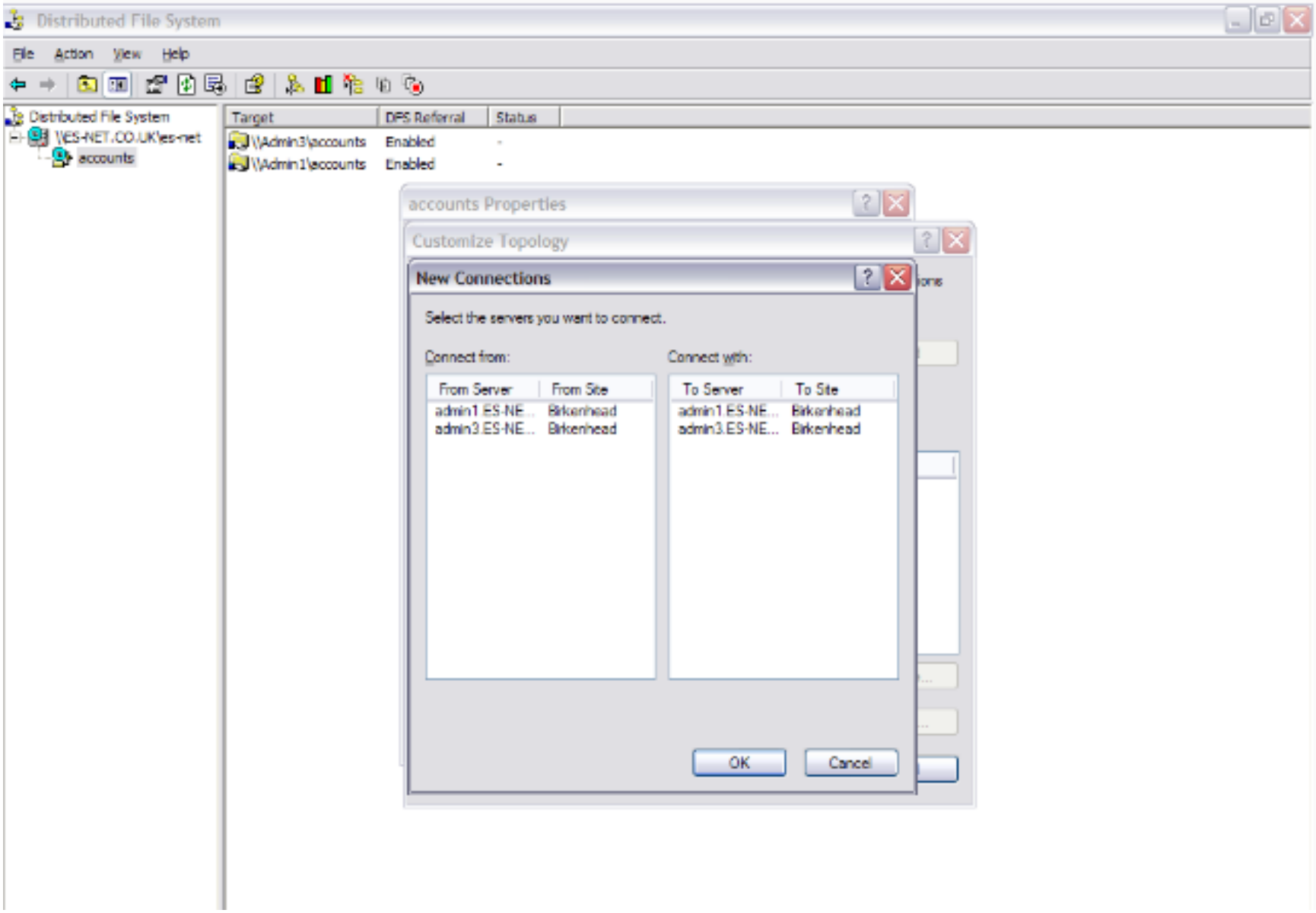

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
General
Replication
\\ES-NET\es-net\accounts
Comments:
Amount of time clients cache this referral in seconds:
1800
OK
Cancel
Apply
Select Replication.

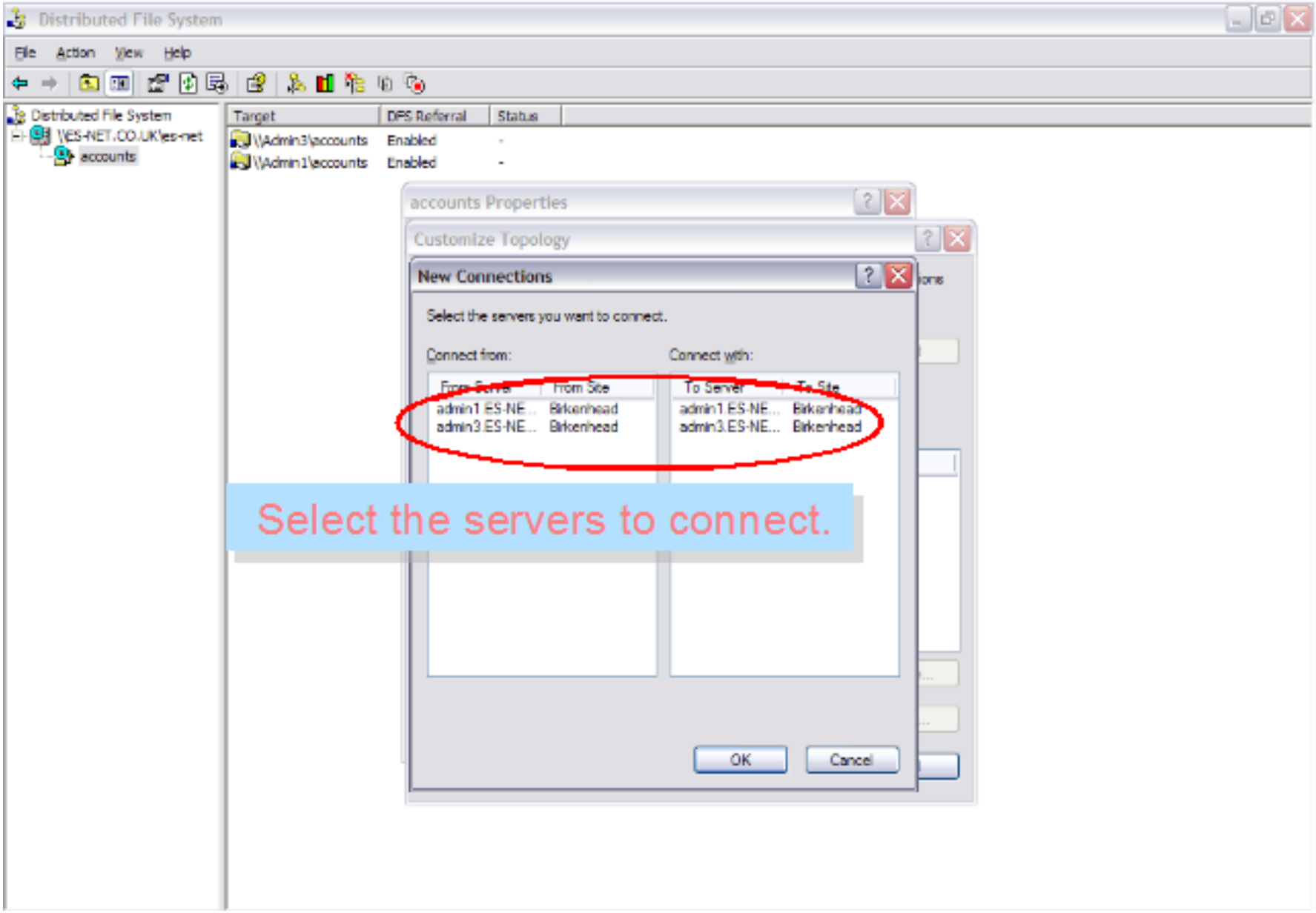

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
General
Replication
Topology:
Custom
Customize...
To modify the replication schedule for all connections, click Schedule.
Schedule...
You can specify the files and subfolders that are excluded from replication.
File filter:
.bak;.tmp;~*
Edit...
Subfolder filter:
Edit...
OK
Cancel
Apply

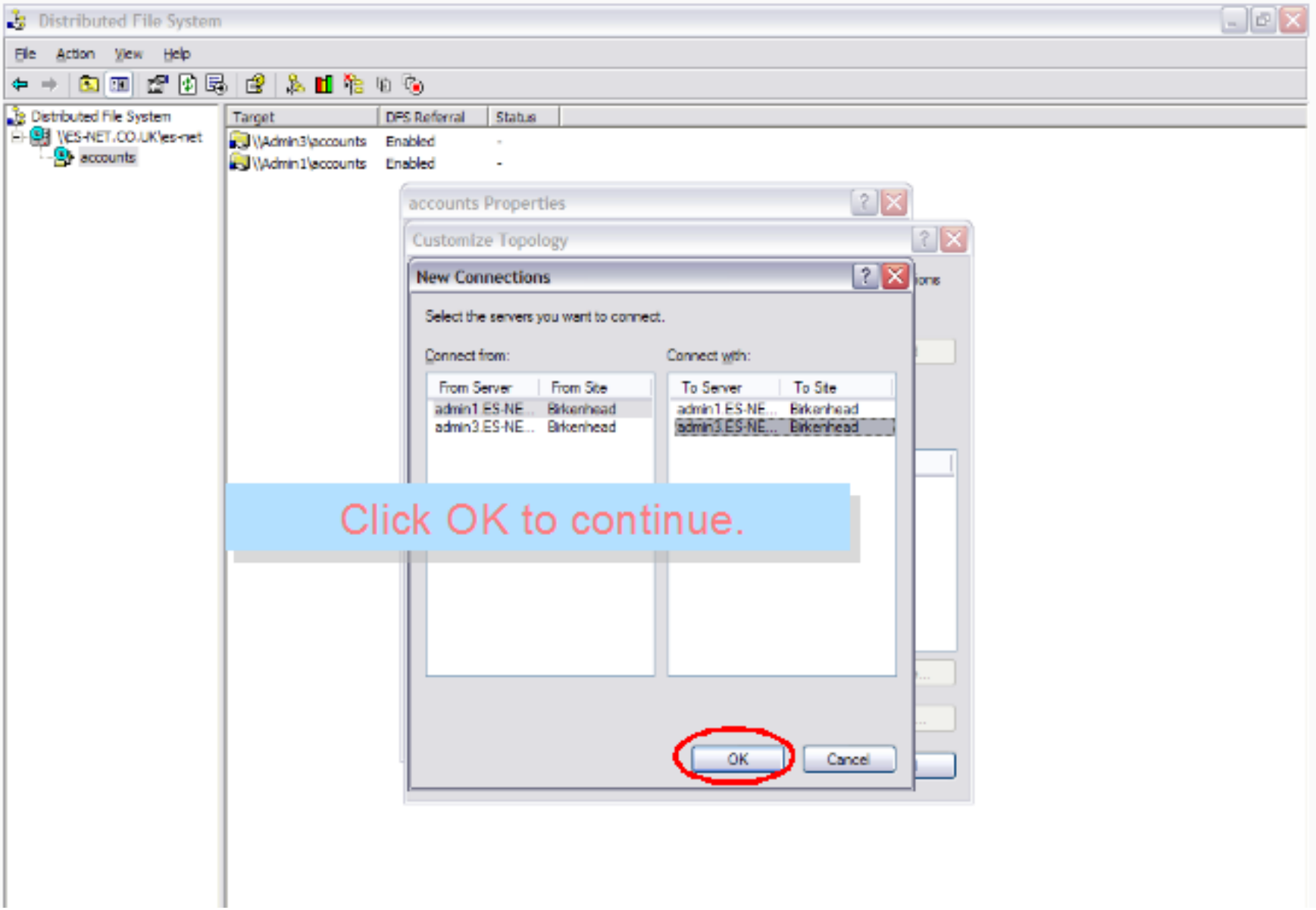

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
General
Replication
Topology:
Custom
Customize...
To modify the replication schedule for all connections, click Schedule.
Schedule...
Select Customize.
You can specify the files and subfolders that are excluded from replication.
File filter:
.bak;.tmp;~*
Edit...
Subfolder filter:
Edit...
OK
Cancel
Apply

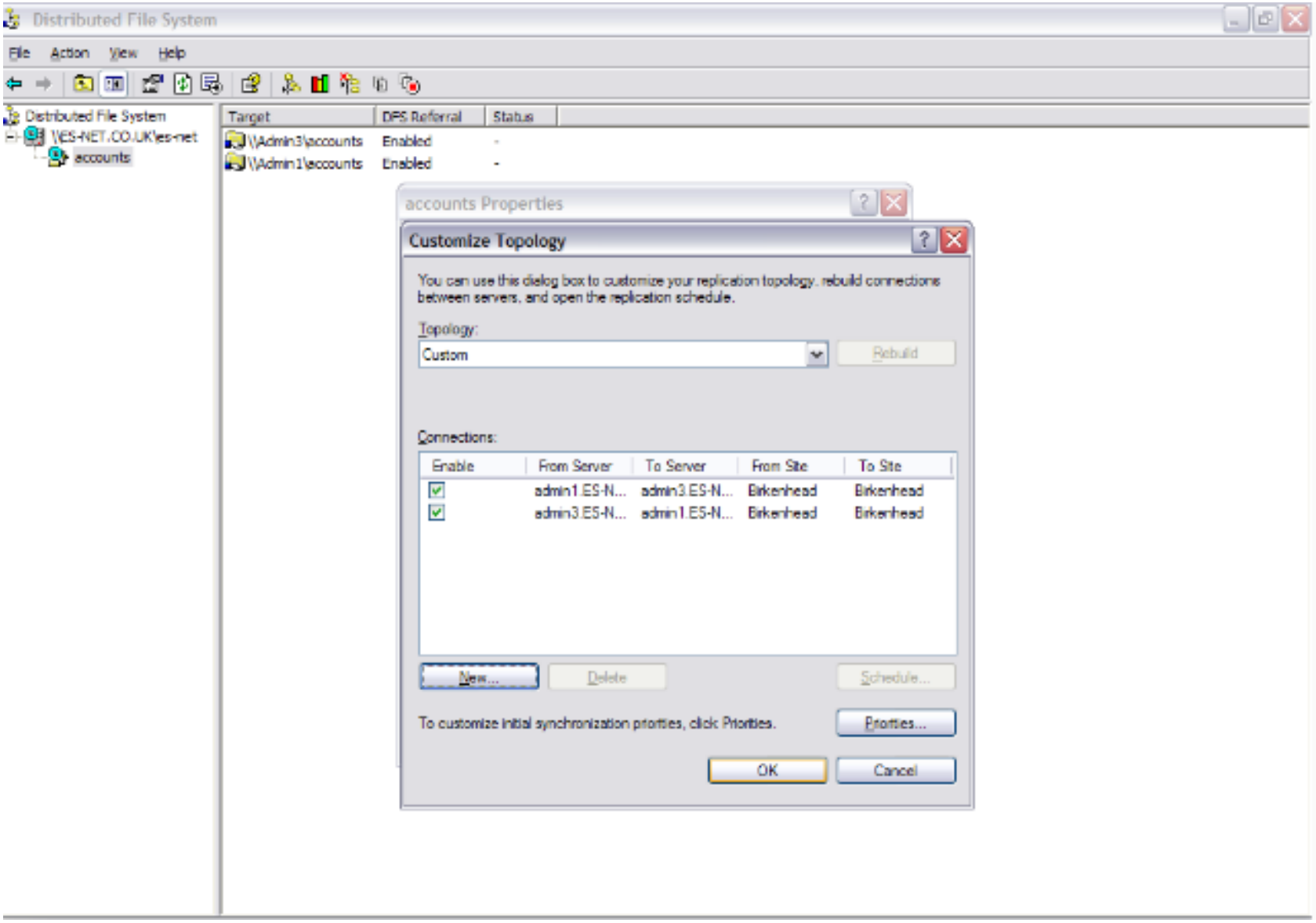

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
Customize Topology
You can use this dialog box to customize your replication topology, rebuild connections between servers, and open the replication schedule.
Topology:
Custom
Rebuild
Connections:
Enable
From Server
To Server
From Site
To Site
New...
Delete
Schedule...
To customize initial synchronization priorities, click Priorities.
Priorities...
OK
Cancel

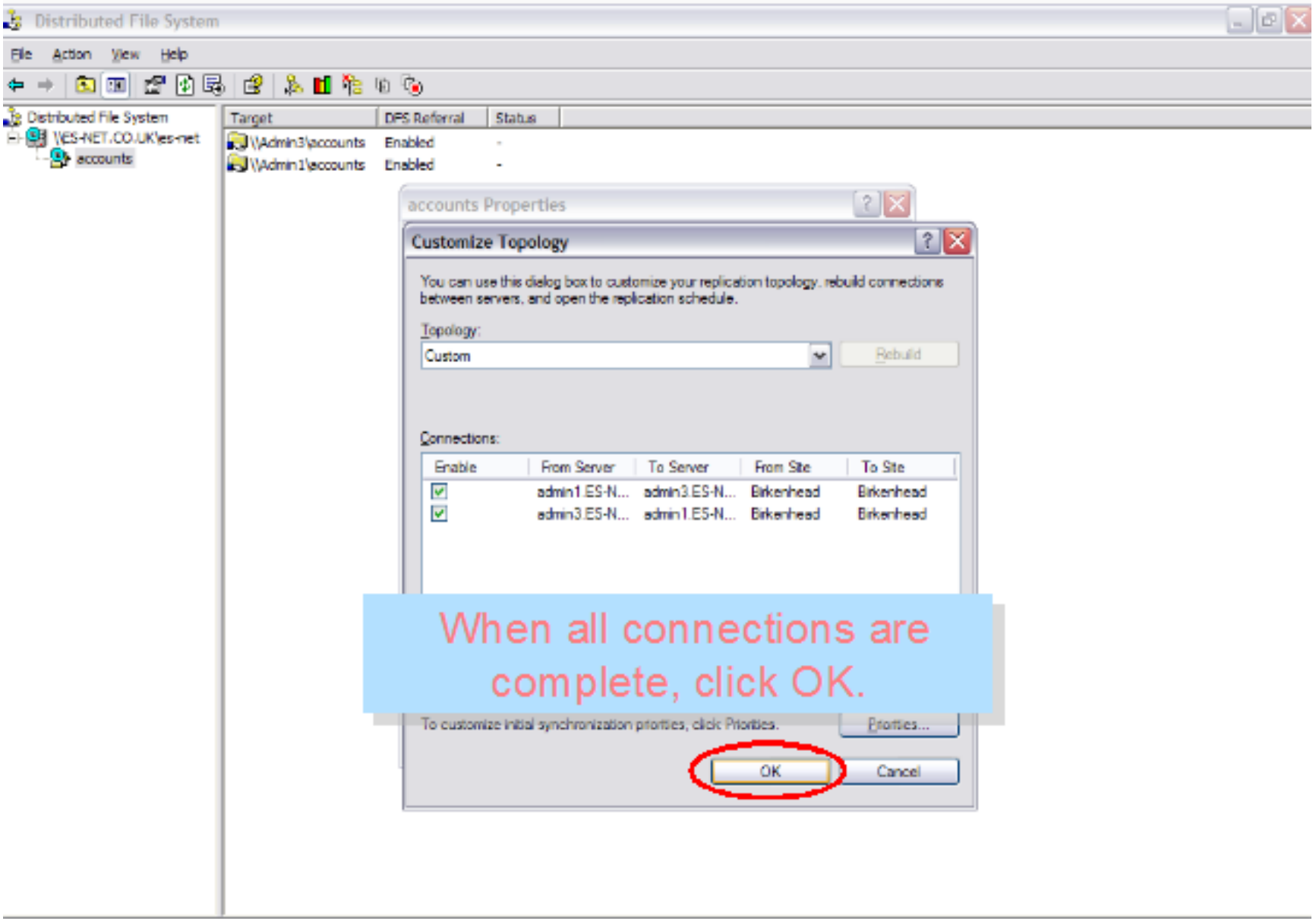

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
Customize Topology
You can use this dialog box to customize your replication topology, rebuild connections between servers, and open the replication schedule.
Topology:
Custom
Rebuild
Connections:
Enable
From Server
To Server
From Site
To Site
Select New.
New...
Delete
Schedule...
To customize initial synchronization priorities, click Priorities.
Priorities...
OK
Cancel

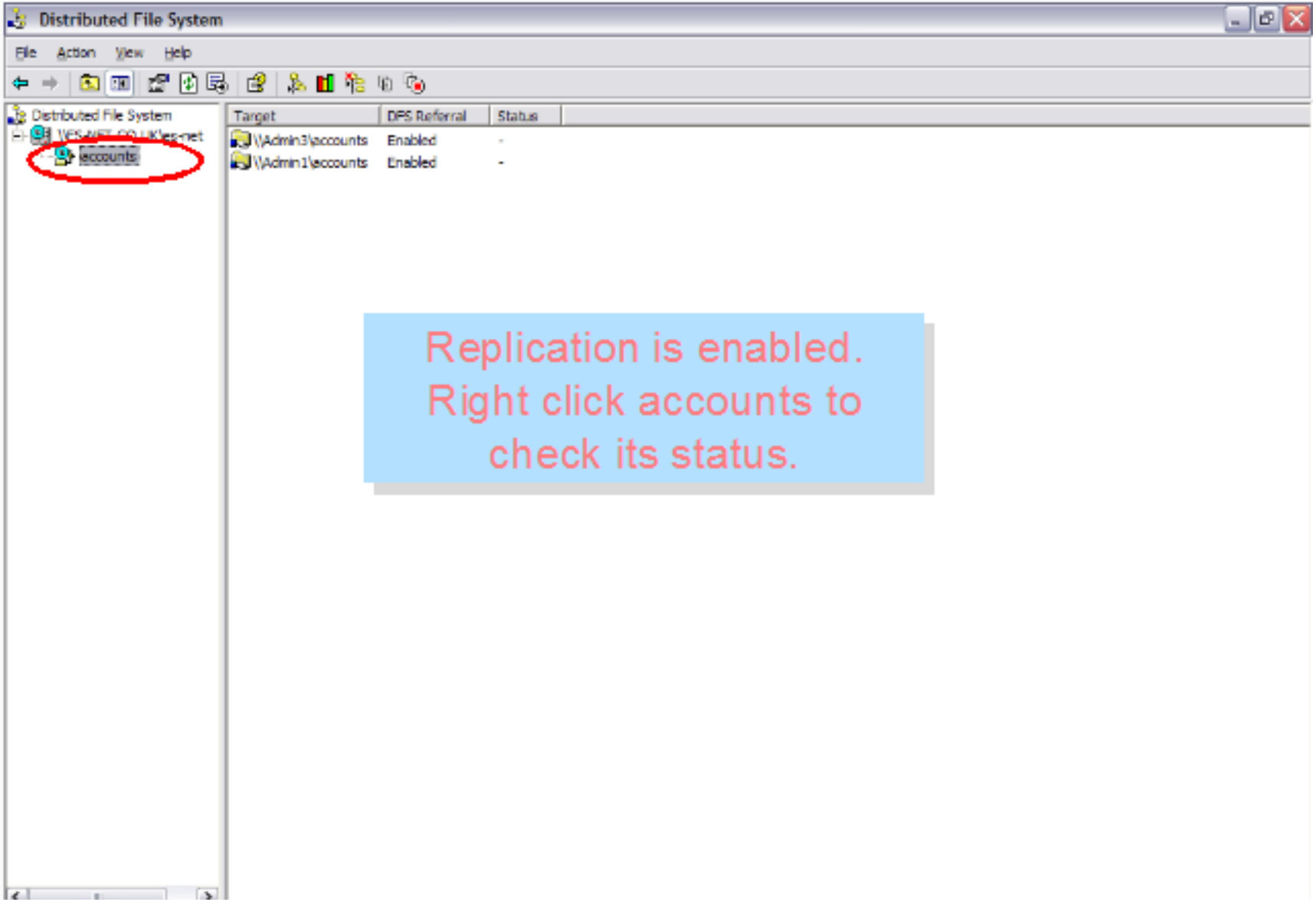

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
Customize Topology
New Connections
Select the servers you want to connect.
Connect from:
Connect with:
From Server
From Site
admin1.ES-NE...
Birkenhead
admin3.ES-NE...
Birkenhead
To Server
To Site
admin1.ES-NE...
Birkenhead
admin3.ES-NE...
Birkenhead
OK
Cancel

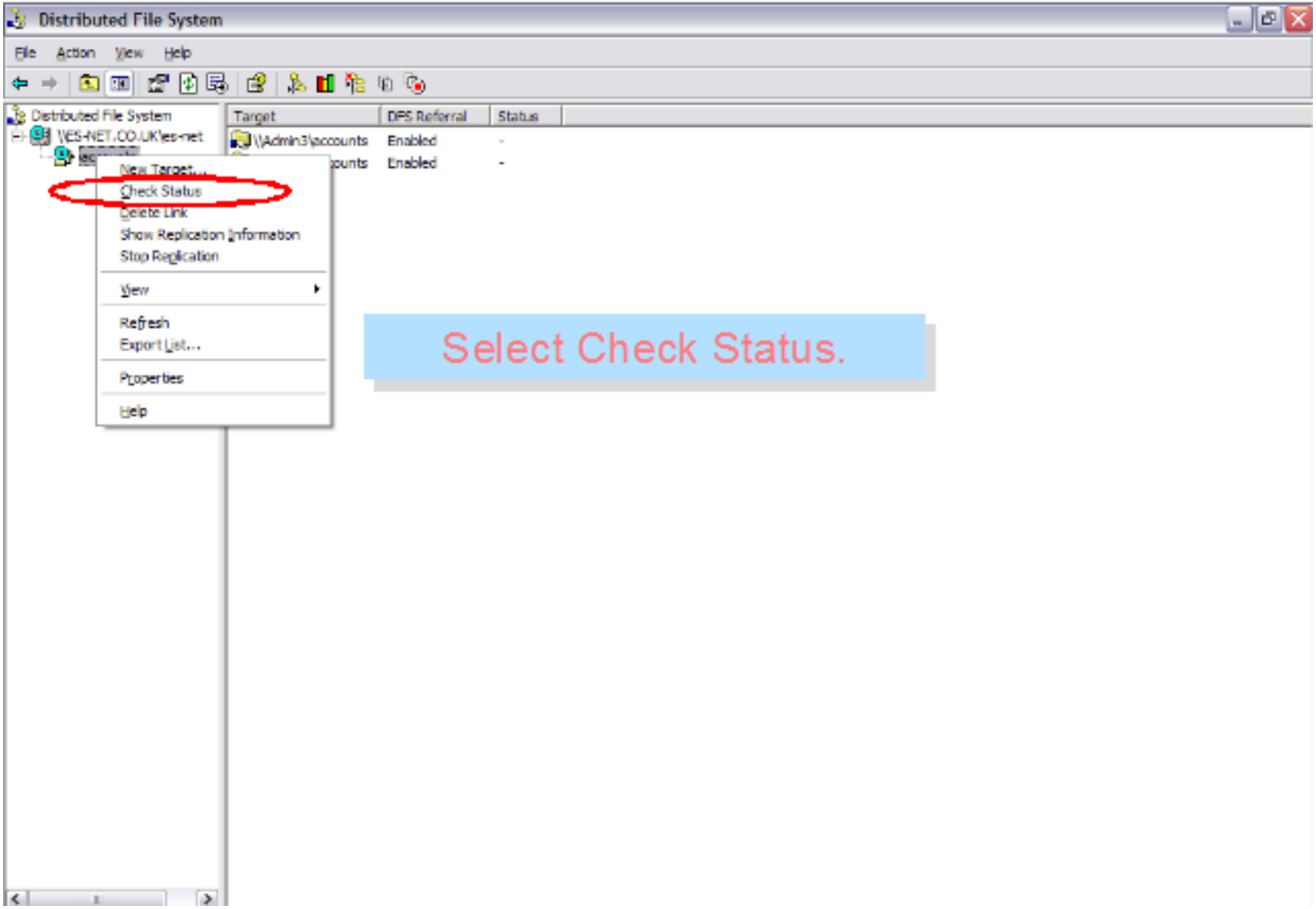

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
Customize Topology
New Connections
Select the servers you want to connect.
Connect from:
Connect with:
From Server
From Site
To Server
To Site
admin1.ES-NE...
Birkenhead
admin3.ES-NE...
Birkenhead
admin1.ES-NE...
Birkenhead
admin3.ES-NE...
Birkenhead
OK
Cancel
Select the servers to connect.

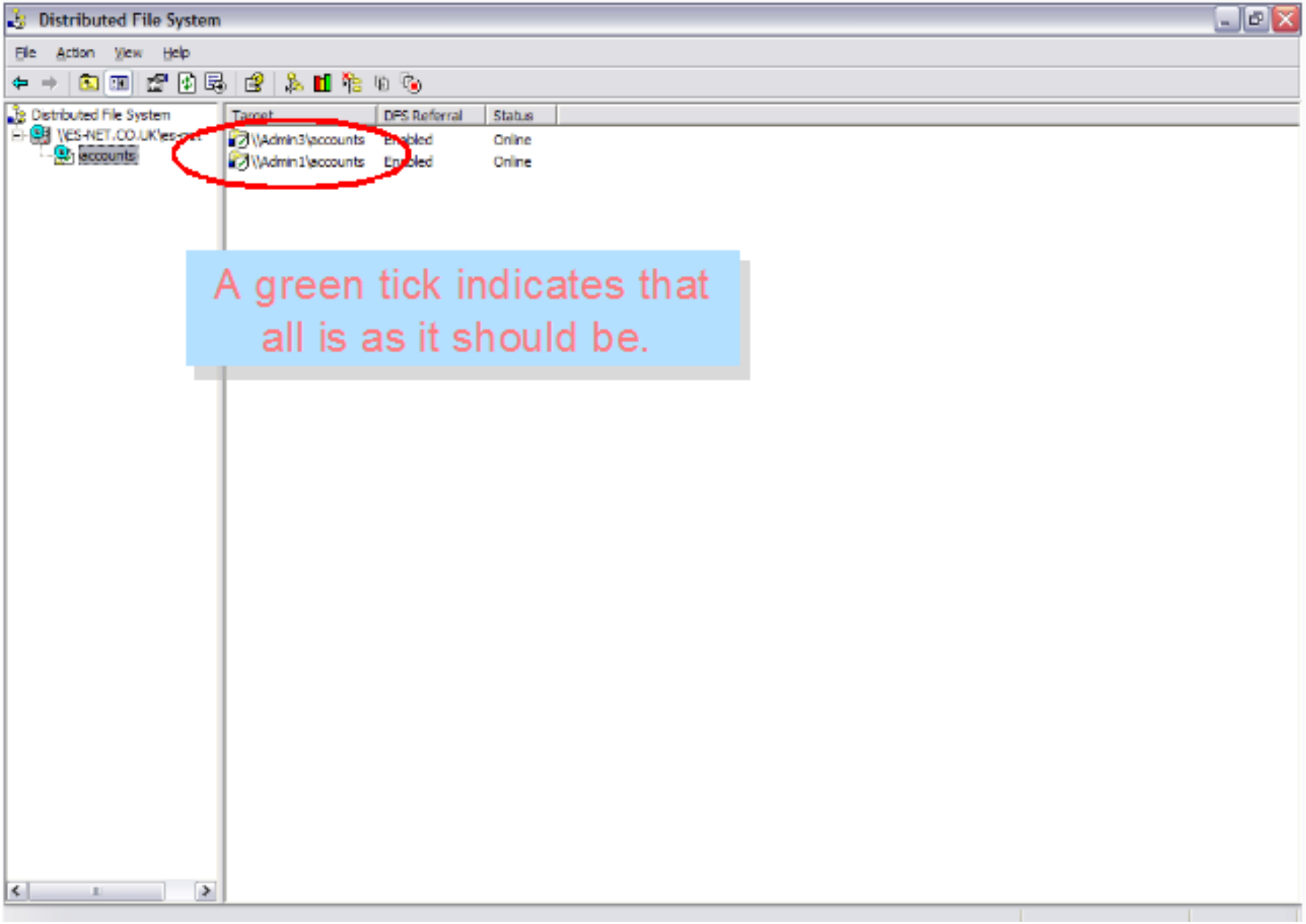

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
Customize Topology
New Connections
Select the servers you want to connect.
Connect from:
Connect with:
From Server
From Site
admin1.ES-NE...
Birkenhead
admin3.ES-NE...
Birkenhead
To Server
To Site
admin1.ES-NE...
Birkenhead
admin3.ES-NE...
Birkenhead
Click OK to continue.
OK
Cancel

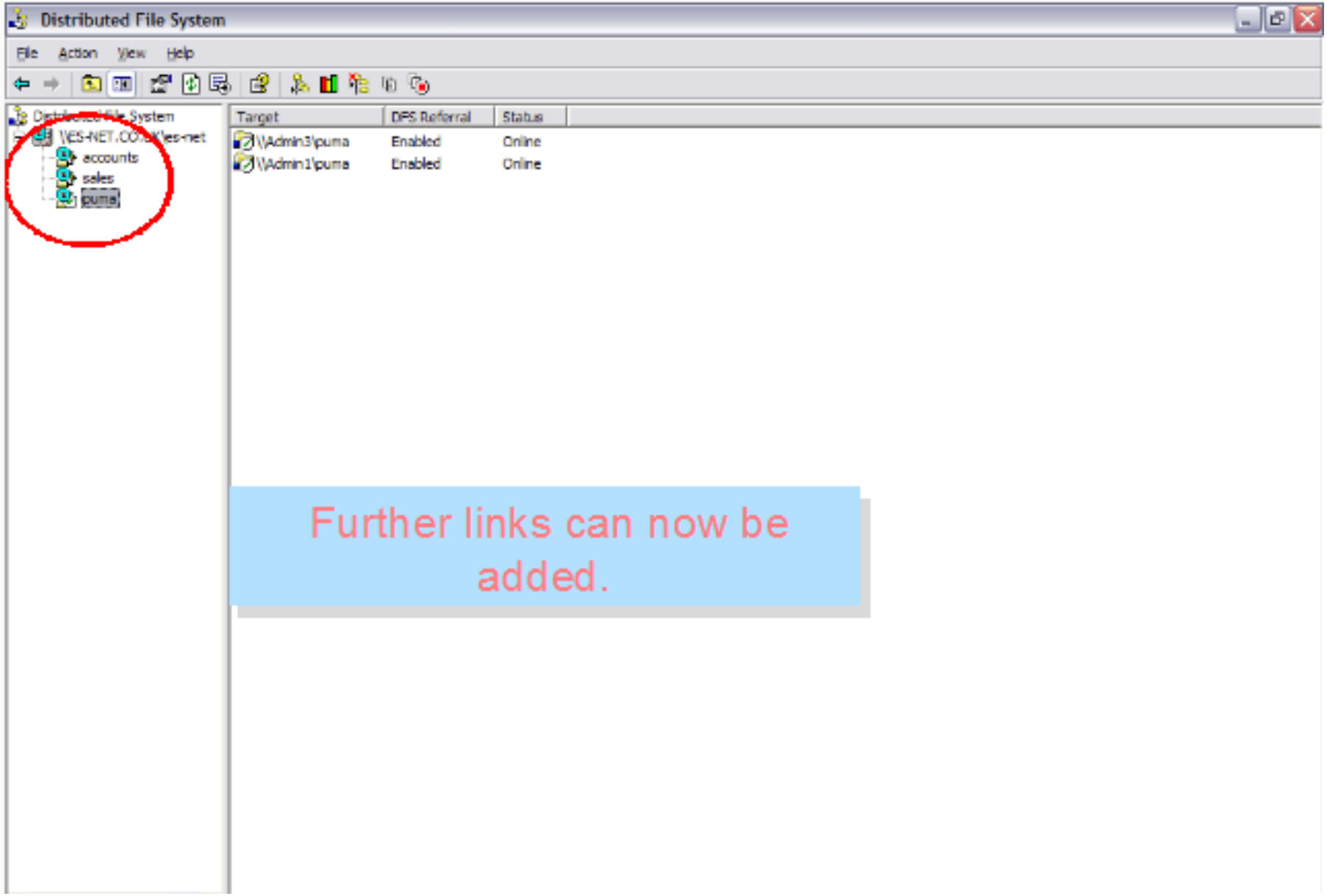

Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
Customize Topology
You can use this dialog box to customize your replication topology, rebuild connections between servers, and open the replication schedule.
Topology:
Custom
Rebuild
Connections:
Enable
From Server
To Server
From Site
To Site
admin1.ES-N...
admin3.ES-N...
Birkenhead
admin3.ES-N...
admin1.ES-N...
Birkenhead
New...
Delete
Schedule...
To customize initial synchronization priorities, click Priorities.
Priorities...
OK
Cancel


Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
accounts Properties
Customize Topology
You can use this dialog box to customize your replication topology, rebuild connections between servers, and open the replication schedule.
Topology:
Custom
Rebuild
Connections:
Enable
From Server
To Server
From Site
To Site
admin1.ES-N...
admin3.ES-N...
Birkenhead
admin3.ES-N...
admin1.ES-N...
Birkenhead
When all connections are complete, click OK.
To customize initial synchronization priorities, click Priorities.
Priorities...
OK
Cancel


Distributed File System
File Action View Help
Distributed File System
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
\\Admin1\accounts
Enabled
Replication is enabled.
Right click accounts to
check its status.


Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
Enabled
New Target...
Check Status
Delete Link
Show Replication Information
Stop Replication
View
Refresh
Export List...
Properties
Help
Select Check Status.


Distributed File System
File Action View Help
Distributed File System
\\ES-NET.CO.UK\es-net
accounts
Target
DFS Referral
Status
\\Admin3\accounts
Enabled
Online
\\Admin1\accounts
Enabled
Online
A green tick indicates that all is as it should be.


Distributed File System
File Action View Help
Distributed File System
\\ES-NET.COM\es-net
accounts
sales
puma
Target
DFS Referral
Status
\\Admin3\puma
Enabled
Online
\\Admin1\puma
Enabled
Online
Further links can now be added.