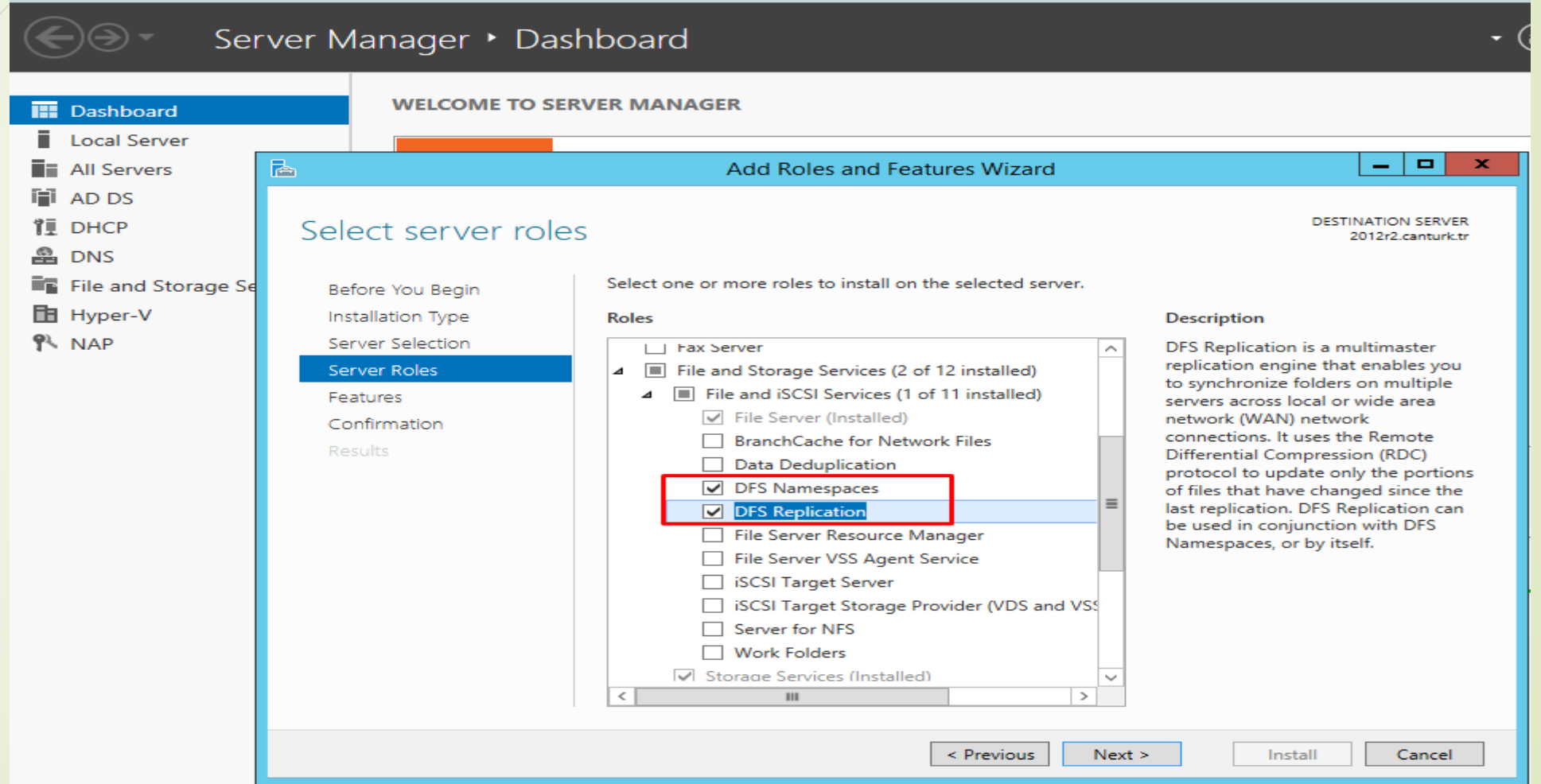
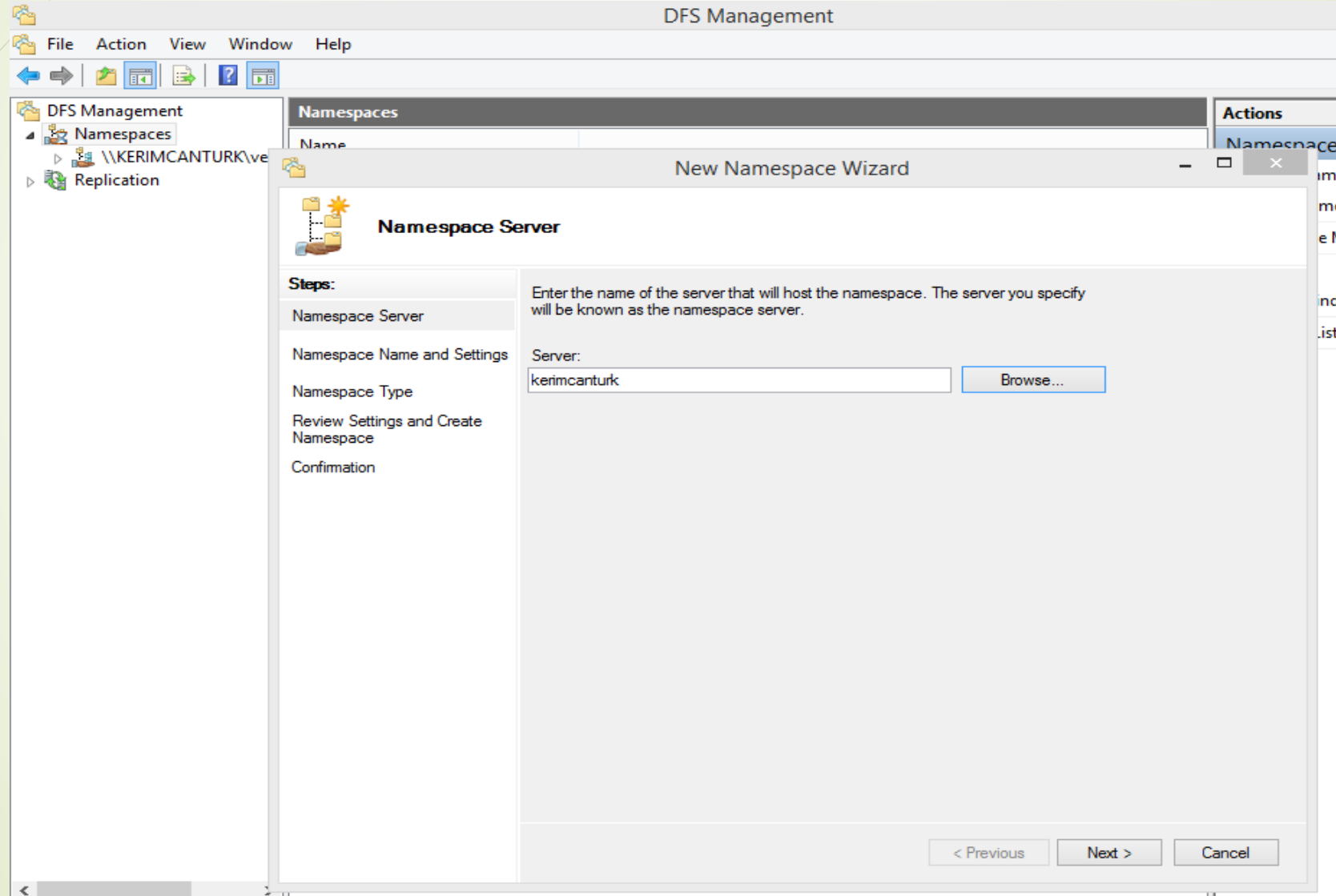


- -Öncelikle Server Manager'imizde Dfs servislerini yüklüyoruz. Dfs Namespaces yeterli olacaktır ancak Replication servisininide isteğinize göre yükleyebilirsiniz.



- -Administrative Tools'dan Dfs Managementimizi açıyoruz.
- Namespace serverdan Dfs'i kuracağımız serverı gösteriyoruz.



- -Oluşturacağımız dfs sistemi üzerinde server adının nasıl gözükeceğini belirliyoruz.
- -Bütün oluşan dfsler C:\DFSRoots\ üzerinden dağıtım yapılır.

The screenshot shows the 'New Namespace Wizard' dialog box. The 'Namespace Name and Settings' tab is active, displaying a list of steps: 'Namespace Server', 'Namespace Name and Settings', 'Namespace Type', 'Review Settings and Create Namespace', and 'Confirmation'. The 'Namespace Name and Settings' step is selected, showing a text box for 'Name' with the value 'DagitimKlasoru' and an 'Edit Settings...' button. The 'Edit Settings' tab is also visible, showing fields for 'Namespace server' (kerimcanturk), 'Shared folder' (DagitimKlasoru), and 'Local path of shared folder' (C:\DFSRoots\DagitimKlasoru). The 'Shared folder permissions' section has five radio button options, with the first option 'All users have read-only permissions' selected. The 'OK' button is highlighted in yellow.

New Namespace Wizard

Namespace Name and Settings

Steps:

- Namespace Server
- Namespace Name and Settings
- Namespace Type
- Review Settings and Create Namespace
- Confirmation

Enter a name for the namespace in the namespace path

Name: **DagitimKlasoru**

Example: Public

If necessary, the wizard will modify the settings of the share. Edit Settings.

Edit Settings...

Edit Settings

Namespace server: kerimcanturk

Shared folder: DagitimKlasoru

Local path of shared folder: C:\DFSRoots\DagitimKlasoru **Browse...**

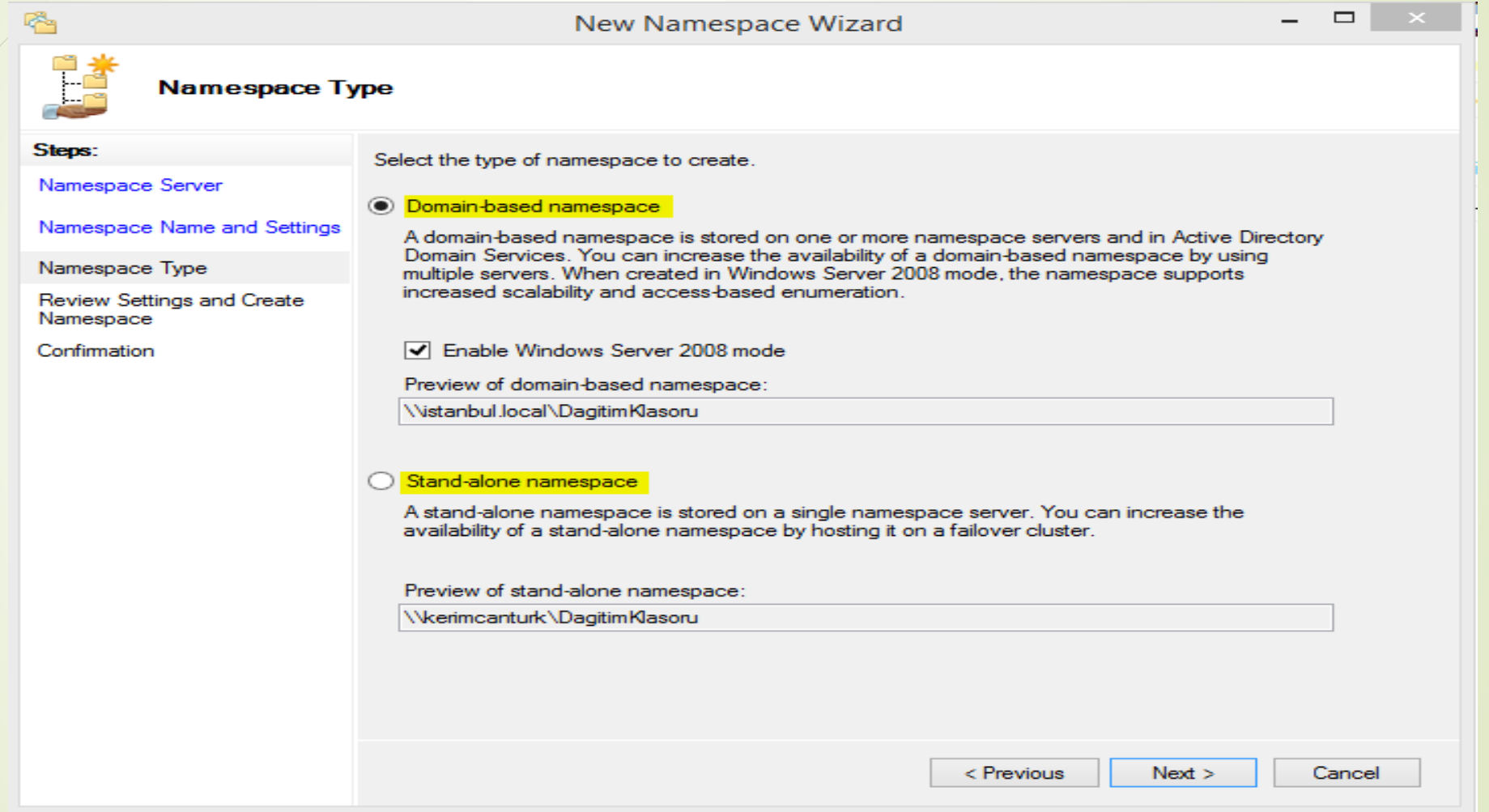
Shared folder permissions:

- ☒ All users have read-only permissions
- ☐ All users have read and write permissions
- ☐ Administrators have full access; other users have read-only permissions
- ☐ Administrators have full access; other users have read and write permissions
- ☐ Use custom permissions: **Customize...**

OK **Cancel**

< Previous **Next >** **Cancel**

- -Namespace Type kısmında sharing folderımızın domain name ile birliktemi yoksa özel başka bir bilgisayardan mı paylaşılacağını seçiyoruz.



The screenshot shows the 'New Namespace Wizard' window, specifically the 'Namespace Type' step. The window has a title bar with standard Windows controls. On the left, there is a 'Steps:' pane with a list of steps: 'Namespace Server', 'Namespace Name and Settings', 'Namespace Type' (which is highlighted), 'Review Settings and Create Namespace', and 'Confirmation'. The main area of the wizard is titled 'Namespace Type' and contains the instruction 'Select the type of namespace to create.' There are two radio button options: 'Domain-based namespace' (which is selected) and 'Stand-alone namespace'. Each option has a descriptive paragraph. Below the 'Domain-based namespace' option, there is a checkbox labeled 'Enable Windows Server 2008 mode' which is checked, and a text box labeled 'Preview of domain-based namespace:' containing the path '\\istanbul.local\DagitimKlasoru'. Below the 'Stand-alone namespace' option, there is a text box labeled 'Preview of stand-alone namespace:' containing the path '\\kerimcanturk\DagitimKlasoru'. At the bottom right of the wizard, there are three buttons: '< Previous', 'Next >' (which is highlighted), and 'Cancel'.

Namespace Type

Steps:

- Namespace Server
- Namespace Name and Settings
- Namespace Type**
- Review Settings and Create Namespace
- Confirmation

Select the type of namespace to create.

☒ **Domain-based namespace**

A domain-based namespace is stored on one or more namespace servers and in Active Directory Domain Services. You can increase the availability of a domain-based namespace by using multiple servers. When created in Windows Server 2008 mode, the namespace supports increased scalability and access-based enumeration.

☒ Enable Windows Server 2008 mode

Preview of domain-based namespace:
\\istanbul.local\DagitimKlasoru

☐ **Stand-alone namespace**

A stand-alone namespace is stored on a single namespace server. You can increase the availability of a stand-alone namespace by hosting it on a failover cluster.

Preview of stand-alone namespace:
\\kerimcanturk\DagitimKlasoru

< Previous Next > Cancel

- -Ben Dc üzerinden değil kendi bilgisayarımdan yaptığım için Stand-alone mode olarak kurulum gerçekleştirdim. Dfs olarak kullanacağım paylaşımımı yazıyorum.
- Artık kullanıcılar \\kerimcanturk\dagitimklasorune girip tüm fileserverlere tek bir yerden ulaşabilirler.

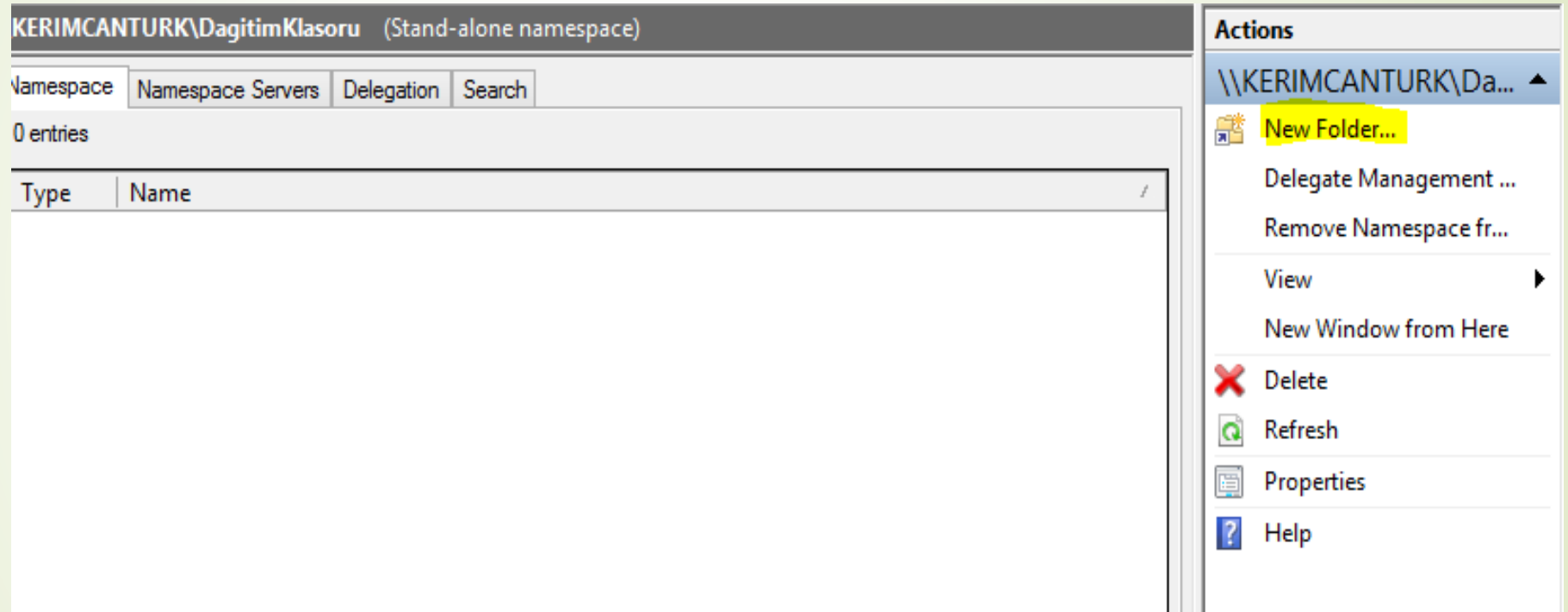
☒ Stand-alone namespace

A stand-alone namespace is stored on a single namespace server. You can increase the availability of a stand-alone namespace by hosting it on a failover cluster.

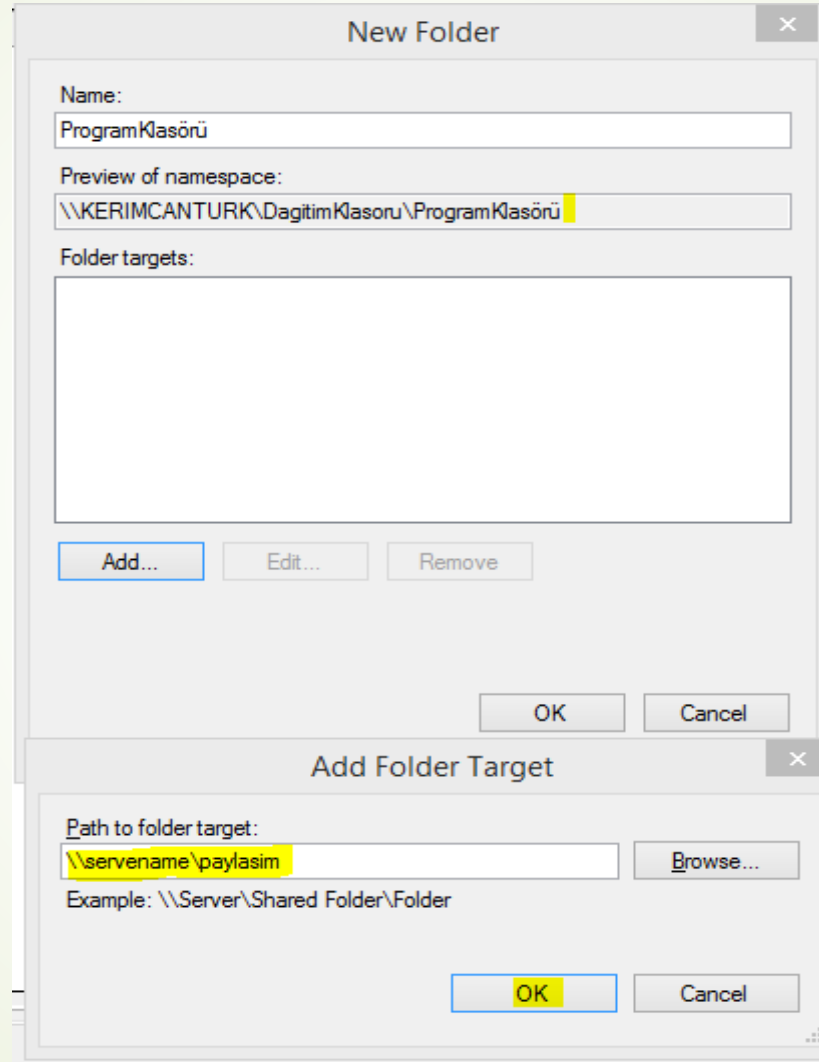
Preview of stand-alone namespace:

\\kerimcanturk\DagitimKlasoru

- -Oluşturduğumuz DFS üzerine diğer fileserverları eklemek için NewFolder'a tıklıyoruz.





- -İsmini belirliyoruz ve Fileserver yolumuzu gösteriyoruz Add kısmından.



- -Fileserverlarımız listelenecektir.

2 entries

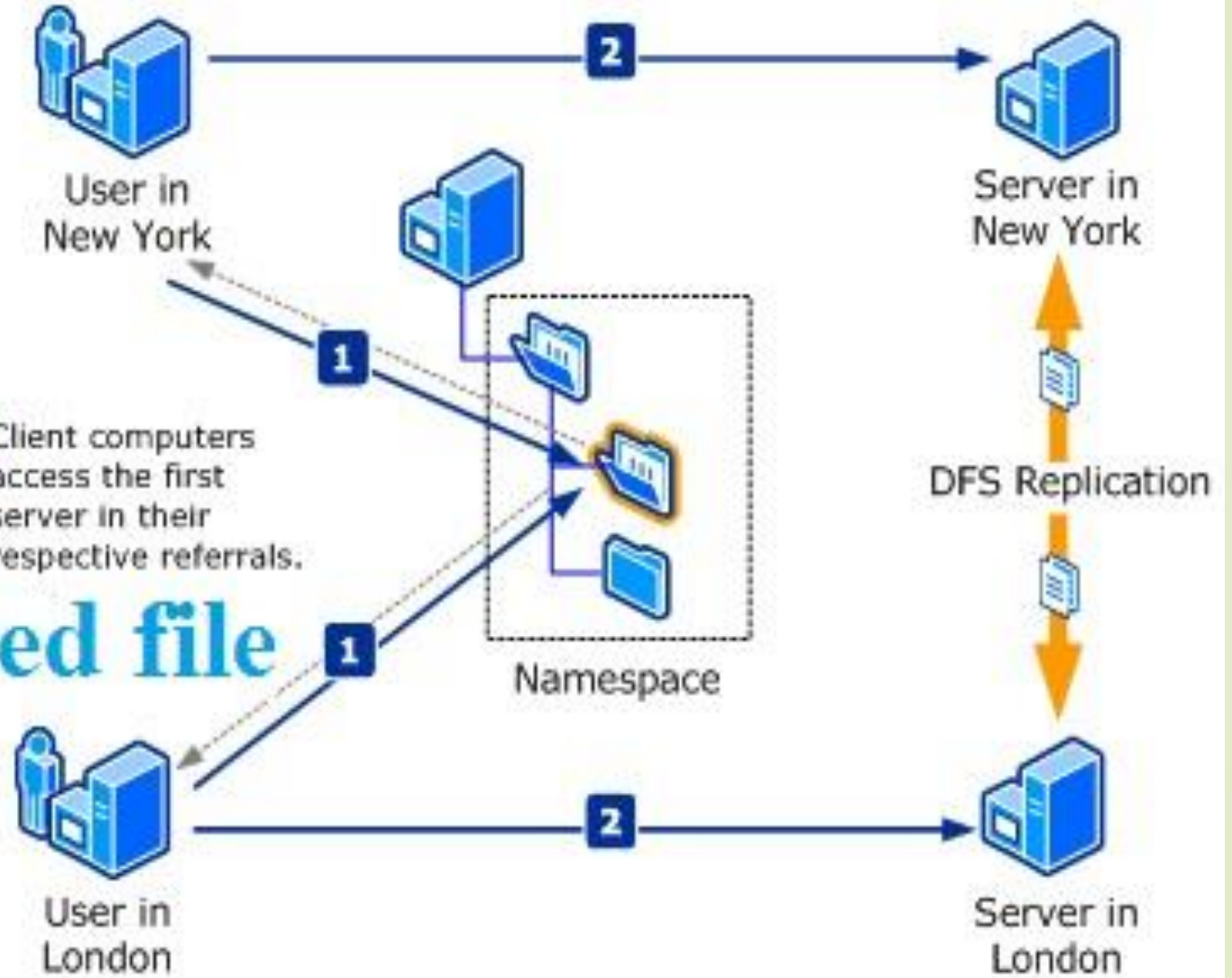
Type	Referral Status	Site	Path
	Enabled	Default-First-Site-Name	\\nakres\Muhasebe
	Enabled	Default-First-Site-Name	\\salihabi\proje

Process Description

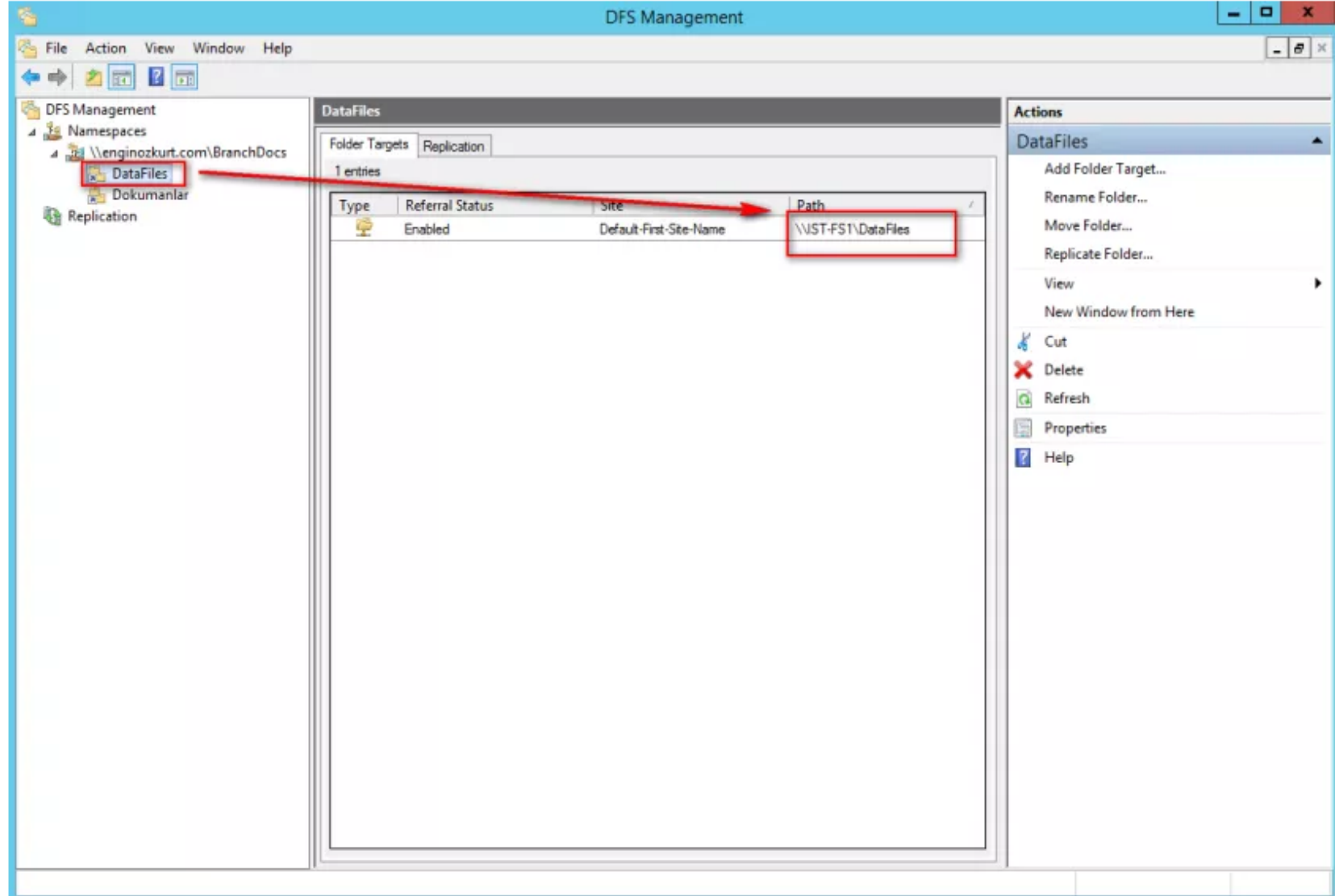
1 When users access a folder with targets in the namespace, the client computers contact a namespace server and receive a referral.

2 Client computers access the first server in their respective referrals.

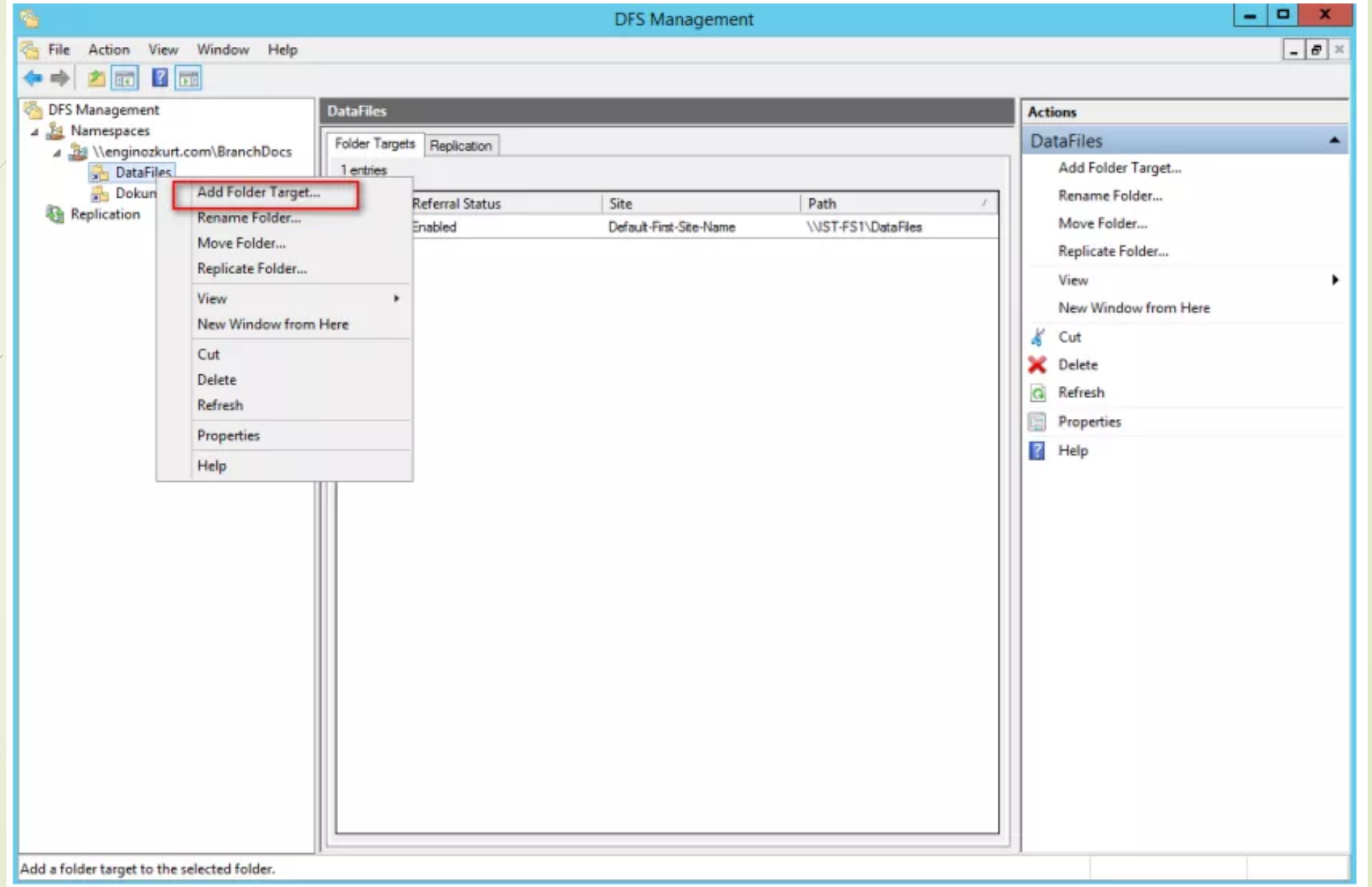
Distributed file System



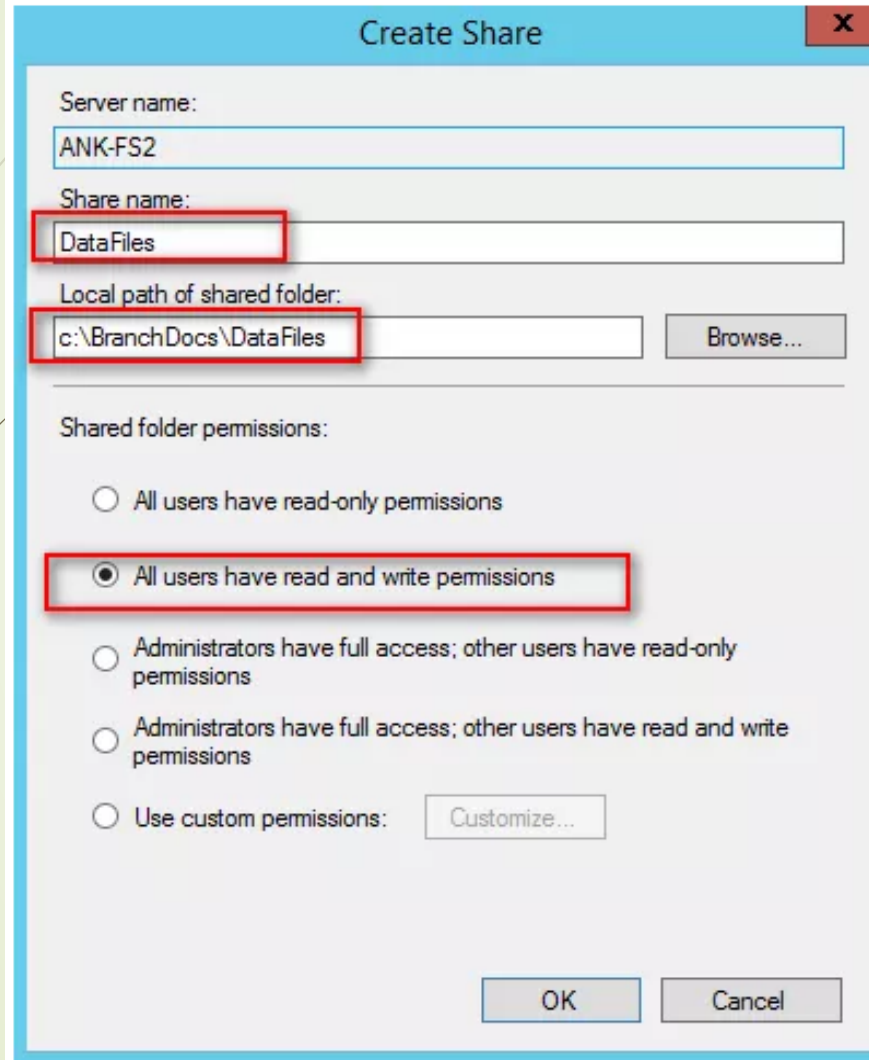
DataFiles paylaşım klasörünü kullanacağım. Şu an mevcut olan **DataFiles** klasörü **IST-FS1** olan sunucum üzerinde durmaktadır. DFS-Replication için diğer sunucum olan **ANK-FS2** olan sunucu üzerinde de aynı paylaşımı oluşturacağım.



2-DataFiles paylaşımının üzerine gelerek **Add Folder Target** seçeneğini seçiyorum.



3- **ANK-FS2** server üzerinde **DataFiles** adında bir paylaşım oluştuyorum..Paylaşım için kullanacağım permissions ayarlarını yapıyorum.



Server name:
ANK-FS2

Share name:
DataFiles

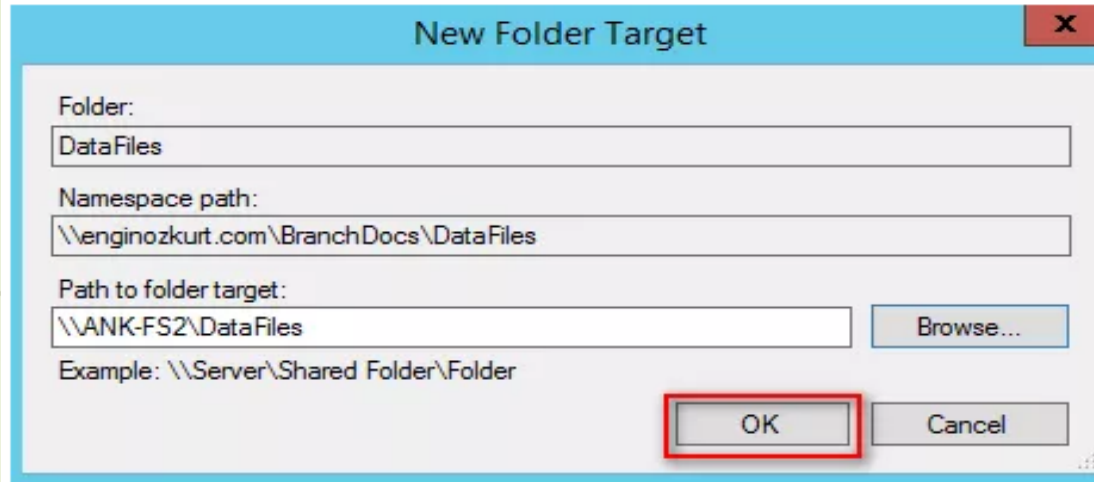
Local path of shared folder:
c:\BranchDocs\DataFiles Browse...

Shared folder permissions:

- ☐ All users have read-only permissions
- ☒ All users have read and write permissions
- ☐ Administrators have full access; other users have read-only permissions
- ☐ Administrators have full access; other users have read and write permissions
- ☐ Use custom permissions: Customize...

OK Cancel

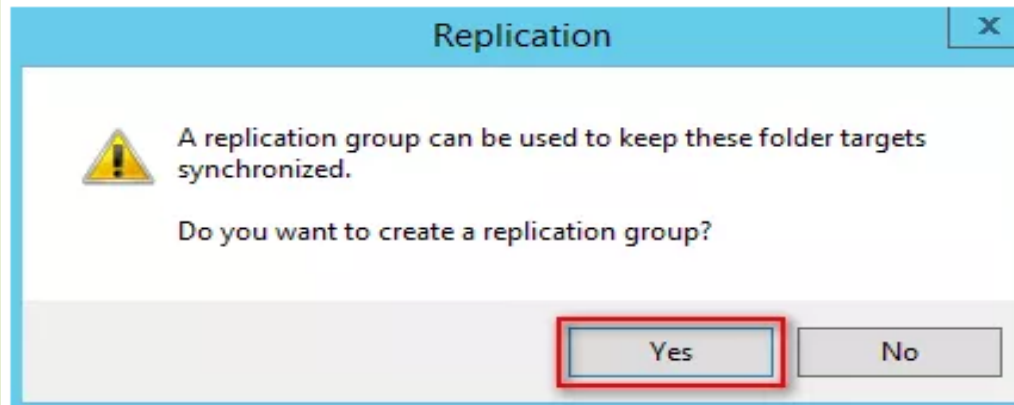
4-oluşturacağım paylaşım \\ANK-FS2\DataFiles olarak erişilebilir olacaktır.



The 'New Folder Target' dialog box is shown with the following fields and buttons:

- Folder:** DataFiles
- Namespace path:** \\enginozkurt.com\BranchDocs\DataFiles
- Path to folder target:** \\ANK-FS2\DataFiles (with a 'Browse...' button next to it)
- Example:** \\Server\Shared Folder\Folder
- Buttons:** OK (highlighted with a red box) and Cancel

5-Bu kısımda ben DataFiles klasörü için iki farklı hedef (\\IST-FS1\DataFiles , \\ANK-FS2\DataFiles) belirttim. DataFiles üzerine yazılan her bilginin diğer sunucu üzerinde de olması için bunları bir Replication Group üzerinde toplamamız gerekmektedir. Daha önce benim oluşturmuş olduğum **Replication Group** olmadığı için şu an oluşturmak istiyormusun, yada daha sonra **DFS Managemeng>Replication >Replication Group** oluşturarakta ekleyebilirsiniz. **Yes** diyerek devam ediyorum.



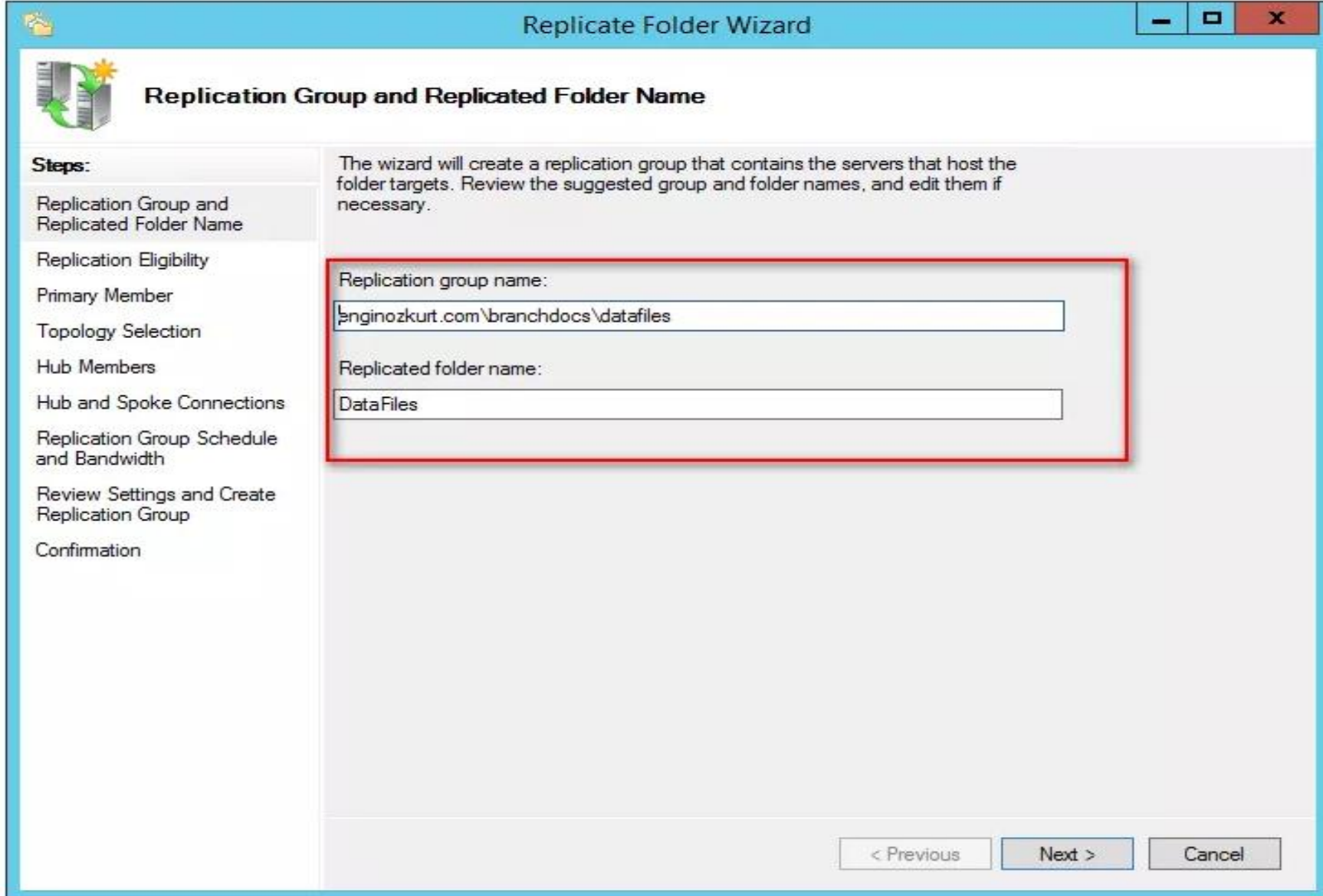
The 'Replication' dialog box displays a warning icon and the following text:

A replication group can be used to keep these folder targets synchronized.

Do you want to create a replication group?

Buttons: Yes (highlighted with a red box) and No

6-Replication Group için bir isim ve Replicated olacak klasörün adını yazıyoruz.



The image shows a screenshot of the 'Replicate Folder Wizard' window. The window has a blue title bar with the text 'Replicate Folder Wizard' and standard Windows window controls (minimize, maximize, close). Below the title bar is a header area with a small icon of a folder and a green arrow, and the text 'Replication Group and Replicated Folder Name'. The main area is divided into two sections. On the left is a 'Steps' list with the following items: 'Replication Group and Replicated Folder Name' (which is highlighted), 'Replication Eligibility', 'Primary Member', 'Topology Selection', 'Hub Members', 'Hub and Spoke Connections', 'Replication Group Schedule and Bandwidth', 'Review Settings and Create Replication Group', and 'Confirmation'. On the right is a text area with the instruction: 'The wizard will create a replication group that contains the servers that host the folder targets. Review the suggested group and folder names, and edit them if necessary.' Below this instruction are two text input fields. The first field is labeled 'Replication group name:' and contains the text 'enginozkurt.com\branchdocs\datafiles'. The second field is labeled 'Replicated folder name:' and contains the text 'DataFiles'. Both input fields are enclosed in a red rectangular box. At the bottom right of the window are three buttons: '< Previous', 'Next >', and 'Cancel'.

Replication Group and Replicated Folder Name

Steps:

- Replication Group and Replicated Folder Name
- Replication Eligibility
- Primary Member
- Topology Selection
- Hub Members
- Hub and Spoke Connections
- Replication Group Schedule and Bandwidth
- Review Settings and Create Replication Group
- Confirmation

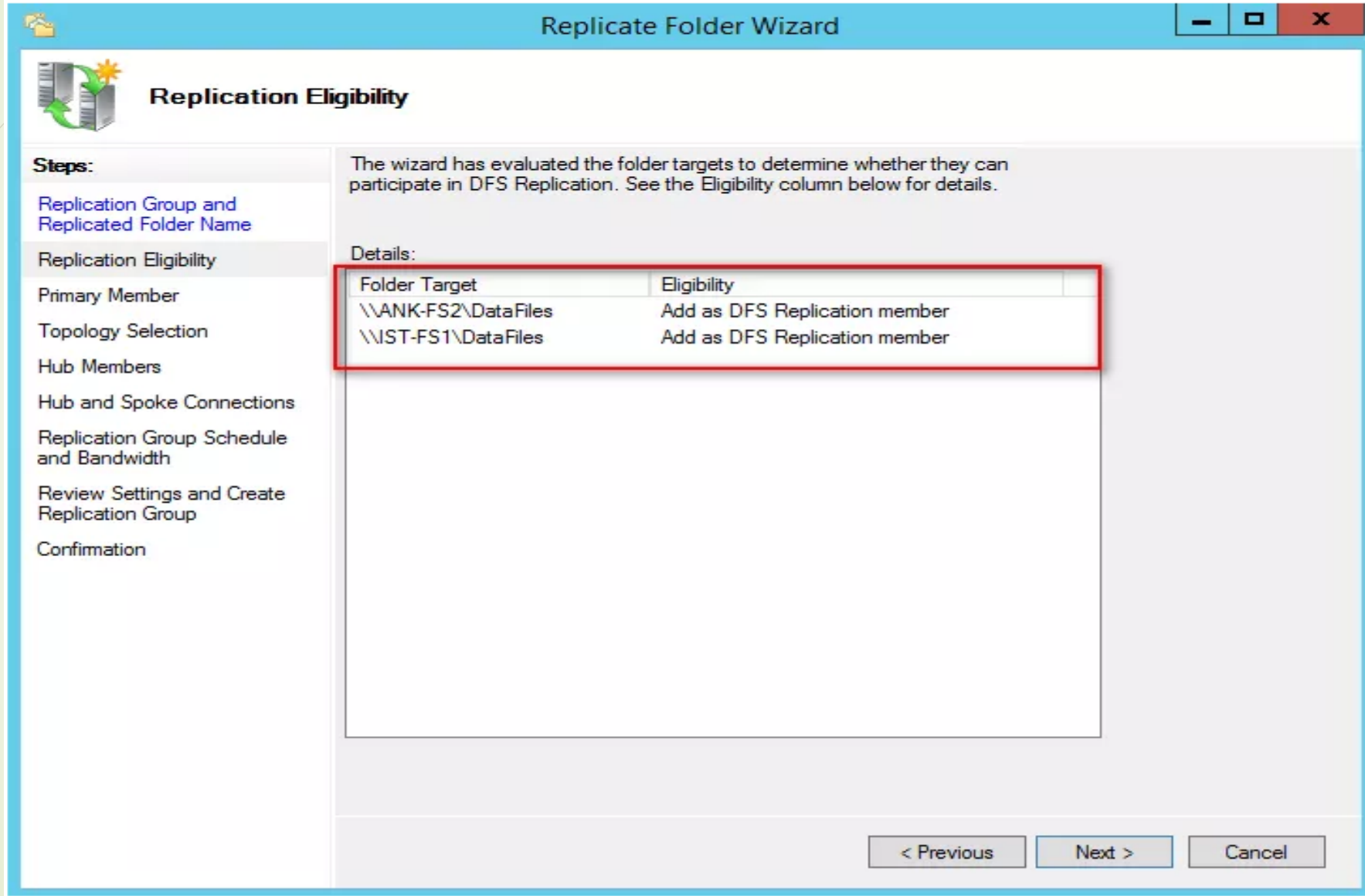
The wizard will create a replication group that contains the servers that host the folder targets. Review the suggested group and folder names, and edit them if necessary.

Replication group name:
enginozkurt.com\branchdocs\datafiles

Replicated folder name:
DataFiles

< Previous Next > Cancel

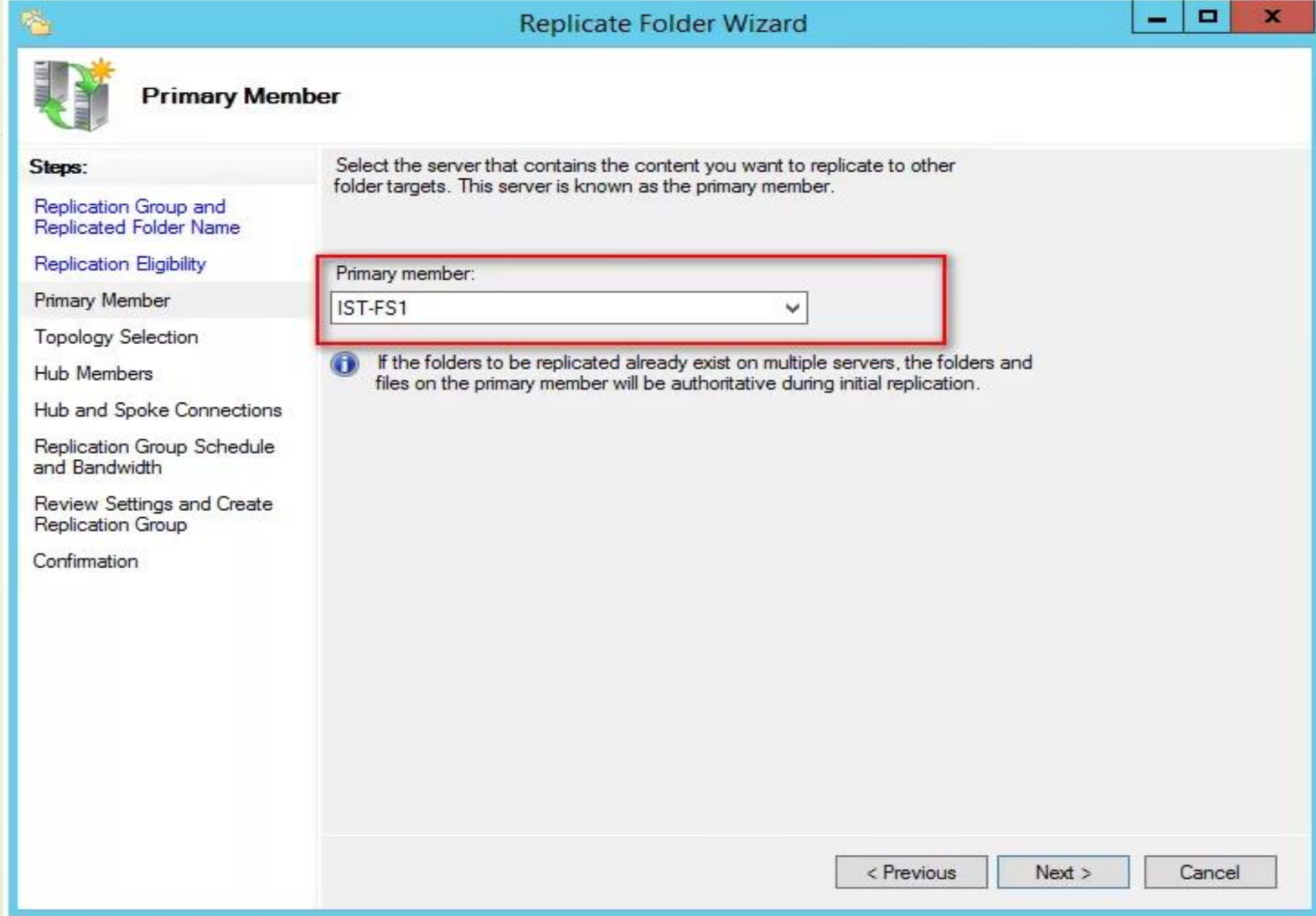
7-Replication Eligibility kısmında ise DataFiles klasörü için uygun olan sunucular yer almaktadır. (Örneğin ANK-FS2 sunucu üzerinde DFS- Replication rolü kurulu olmasaydı burada görülmeyecekti.)



The screenshot shows the 'Replicate Folder Wizard' window, specifically the 'Replication Eligibility' step. The window has a blue title bar and a light blue border. On the left, there is a 'Steps:' list with the following items: 'Replication Group and Replicated Folder Name', 'Replication Eligibility' (which is highlighted), 'Primary Member', 'Topology Selection', 'Hub Members', 'Hub and Spoke Connections', 'Replication Group Schedule and Bandwidth', 'Review Settings and Create Replication Group', and 'Confirmation'. The main area of the wizard contains a message: 'The wizard has evaluated the folder targets to determine whether they can participate in DFS Replication. See the Eligibility column below for details.' Below this message is a 'Details:' section containing a table. The table has two columns: 'Folder Target' and 'Eligibility'. It lists two folder targets: '\\ANK-FS2\DataFiles' and '\\IST-FS1\DataFiles', both of which are eligible to be added as DFS Replication members. At the bottom right of the wizard, there are three buttons: '< Previous', 'Next >', and 'Cancel'.

Folder Target	Eligibility
\\ANK-FS2\DataFiles	Add as DFS Replication member
\\IST-FS1\DataFiles	Add as DFS Replication member

8- Bu kısımda ilk kopyalama nereden nereye olacak bunu seçiyorsunuz. Sonraki kopyalamalar karşılıklı olmaktadır.



The image shows a screenshot of the 'Replicate Folder Wizard' window, specifically the 'Primary Member' step. The window has a blue title bar with the text 'Replicate Folder Wizard' and standard Windows window controls (minimize, maximize, close). On the left side, there is a vertical list of steps: 'Replication Group and Replicated Folder Name', 'Replication Eligibility', 'Primary Member' (which is highlighted), 'Topology Selection', 'Hub Members', 'Hub and Spoke Connections', 'Replication Group Schedule and Bandwidth', 'Review Settings and Create Replication Group', and 'Confirmation'. The main area of the wizard is titled 'Primary Member' and contains the following text: 'Select the server that contains the content you want to replicate to other folder targets. This server is known as the primary member.' Below this text is a dropdown menu labeled 'Primary member:' with 'IST-FS1' selected. A red rectangular box highlights this dropdown menu. Below the dropdown menu is an information icon (i) followed by the text: 'If the folders to be replicated already exist on multiple servers, the folders and files on the primary member will be authoritative during initial replication.' At the bottom right of the wizard, there are three buttons: '< Previous', 'Next >', and 'Cancel'.

Replicate Folder Wizard

Primary Member

Steps:

- Replication Group and Replicated Folder Name
- Replication Eligibility
- Primary Member**
- Topology Selection
- Hub Members
- Hub and Spoke Connections
- Replication Group Schedule and Bandwidth
- Review Settings and Create Replication Group
- Confirmation

Select the server that contains the content you want to replicate to other folder targets. This server is known as the primary member.

Primary member:
IST-FS1

i If the folders to be replicated already exist on multiple servers, the folders and files on the primary member will be authoritative during initial replication.

< Previous Next > Cancel

9-Burada Replikasyon tipini seçebilirsiniz.

Hub and spoke: Bunu seçtiğiniz zamanda iki şekilde kullanabilirsiniz. Merkez üzerinde oluşturduğunuz bir dosyaları şubelerinize gönderebilir yada şubeler üzerinde oluşan bir klasörün merkezdeki sunucu üzerine kopyalanmasını isteyebilirsiniz. İki sunucudan fazla DFS Replication yapılarında uygulanabilmektedir. (Bizim yapımızda iki adet DFS Replication sunucusu olduğu için seçim yapılamamaktadır.)

Full Mesh: DFS Replication rolü olan tüm sunucular birbirleri üzerine değişiklikler gönderilmektedir. DFS Sunucularından birtanesinde bir şey değiştirdiğiniz zaman tüm DFS sunucularında değişecektir.

No Topology: Replication Group yapılandırmasında bir topology belirtmeden geçebilir daha sonra **Custom bir topology** belirtebilirsiniz.

Replicate Folder Wizard

Topology Selection


Steps:

- Replication Group and Replicated Folder Name
- Replication Eligibility
- Primary Member
- Topology Selection**
- Replication Group Schedule and Bandwidth
- Review Settings and Create Replication Group
- Confirmation

Select a topology of connections among members of the replication group.


☐ Hub and spoke

This topology requires three or more members in the replication group. In this topology, spoke members are connected to one or two hub members. This topology works well in publication scenarios where data originates from the hub member and replicates out to the spoke members.



☒ Full mesh

In this topology, each member replicates with all other members of the replication group. This topology works well when there are ten or fewer members in the replication group.



☐ No topology

Select this option if you want to create a custom topology after you finish this wizard. No replication will take place until you create the custom topology.

< Previous Next > Cancel

10- Bu ekranda ise Replikasyonun nasıl yapılacağını belirliyorsunuz..

Replicate continuously using the specified bandwidth : 7-24 siz bir sunucuda değişiklik yaptığınızda hemen diğer sunuculara **Full Bandwith** kullanarak replica etmektedir.Burada **Bandwidth** durumunu siz belirleyebilirsiniz.

Replicate during the specified days and times : Bu seçeneği seçtiğinizde ise Replikasyonu sizin belirlediğiniz **Gün,Saat** ve yine sizin belirlediğiniz **Bandwidth** doğrultusunda yapabilmektedir.Eğer DFS sunucularınız farklı **coğrafyalarda** bulunuyor ise belirlediğiniz saati hangi duruma göre ayarlamasını **Base schedule on** kısmında yapabilirsiniz.

Base schedule on: Local time of receiving member

0 2 4 6 8 10 12 14 16 18 20 22 24

	0	2	4	6	8	10	12	14	16	18	20	22	24
All													
Pazartesi													
Salı													
Çarşamba													
Perşembe													
Cuma													
Cumartesi													
Pazar													

Bandwidth usage: No replication

Details >> OK Cancel

"Replicate continuously using the specified bandwidth" seçerek devam ediyorum.

Replicate Folder Wizard

Replication Group Schedule and Bandwidth

Steps:

- Replication Group and Replicated Folder Name
- Replication Eligibility
- Primary Member
- Topology Selection
- Replication Group Schedule and Bandwidth**
- Review Settings and Create Replication Group
- Confirmation

Select the replication schedule and bandwidth to be used by default for all new connections in the replication group.

☒ Replicate continuously using the specified bandwidth

Use this option to enable replication 24 hours a day, seven days a week using the following bandwidth:

Bandwidth:

Full

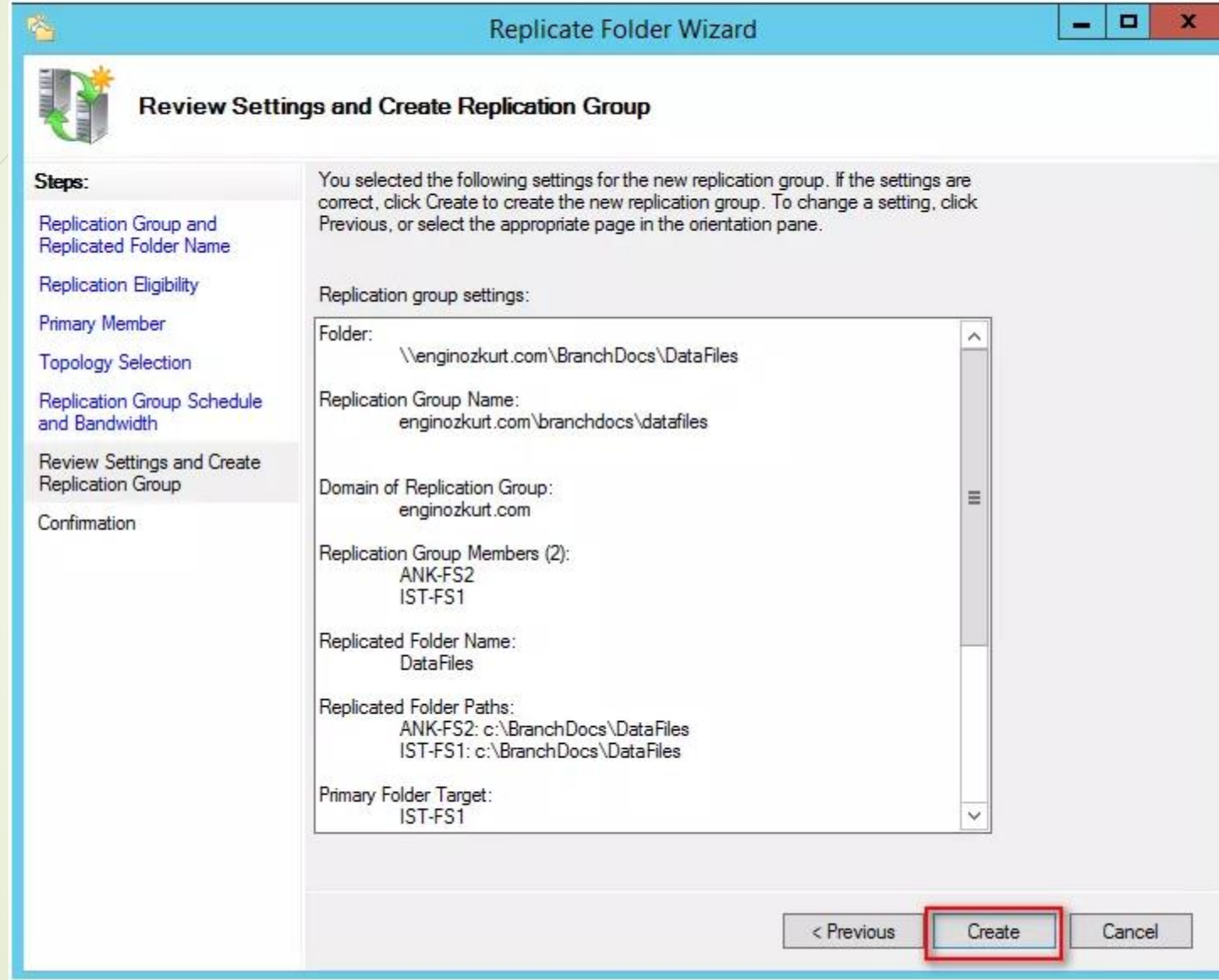
☐ Replicate during the specified days and times

Use this option to specify the days and times at which replication occurs by default. The initial replication schedule has no replication intervals; you must create at least one replication interval before replication can occur.

Edit Schedule...

< Previous Next > Cancel

11-Replication Group ayarlarını kontrol ettikten sonra Create diyerek oluşturuyoruz.



Replicate Folder Wizard

Review Settings and Create Replication Group

Steps:

- Replication Group and Replicated Folder Name
- Replication Eligibility
- Primary Member
- Topology Selection
- Replication Group Schedule and Bandwidth
- Review Settings and Create Replication Group**
- Confirmation

You selected the following settings for the new replication group. If the settings are correct, click Create to create the new replication group. To change a setting, click Previous, or select the appropriate page in the orientation pane.

Replication group settings:

Folder: \\enginozkurt.com\BranchDocs\DataFiles

Replication Group Name: enginozkurt.com\branchdocs\datafiles

Domain of Replication Group: enginozkurt.com

Replication Group Members (2): ANK-FS2, IST-FS1

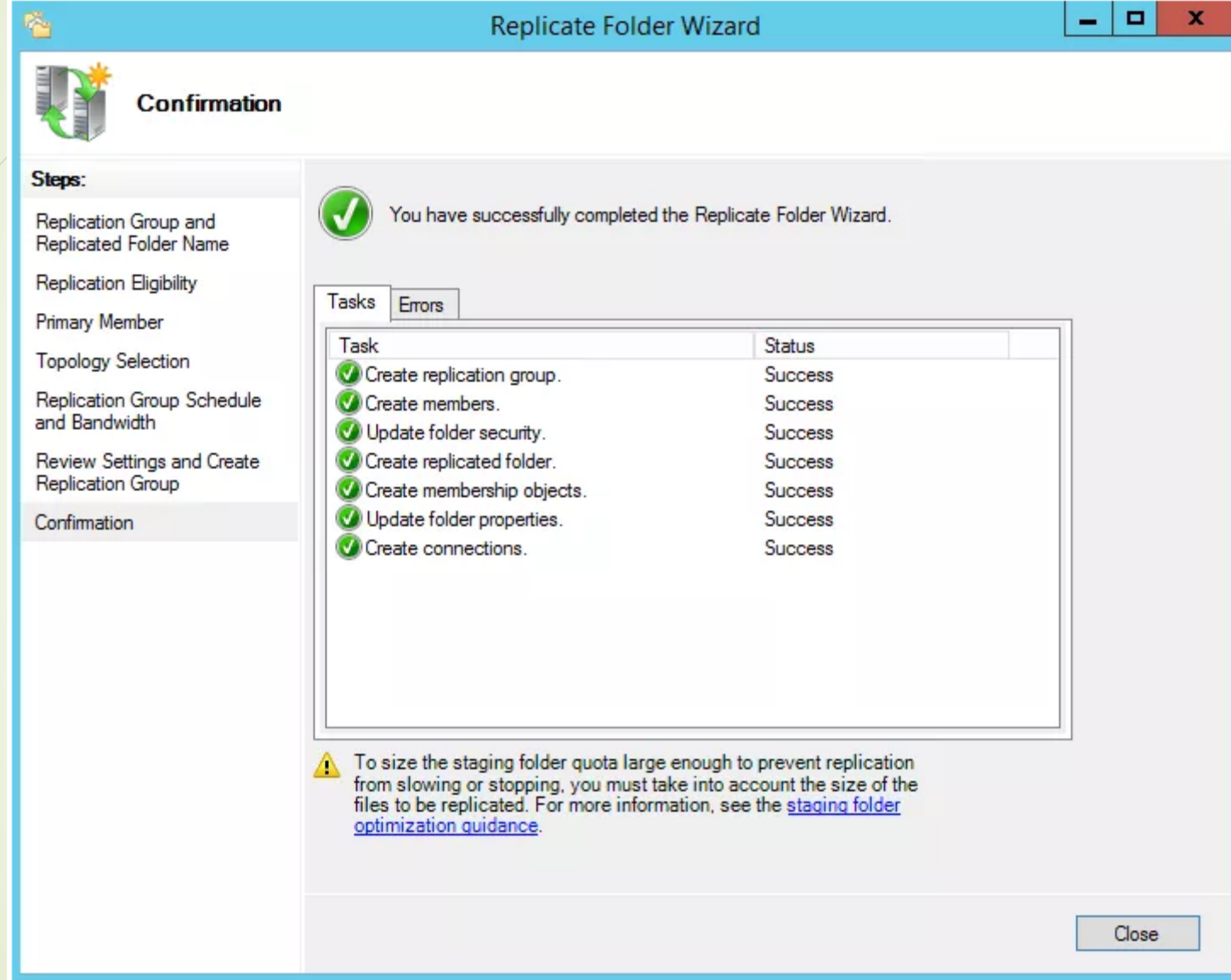
Replicated Folder Name: DataFiles

Replicated Folder Paths: ANK-FS2: c:\BranchDocs\DataFiles, IST-FS1: c:\BranchDocs\DataFiles

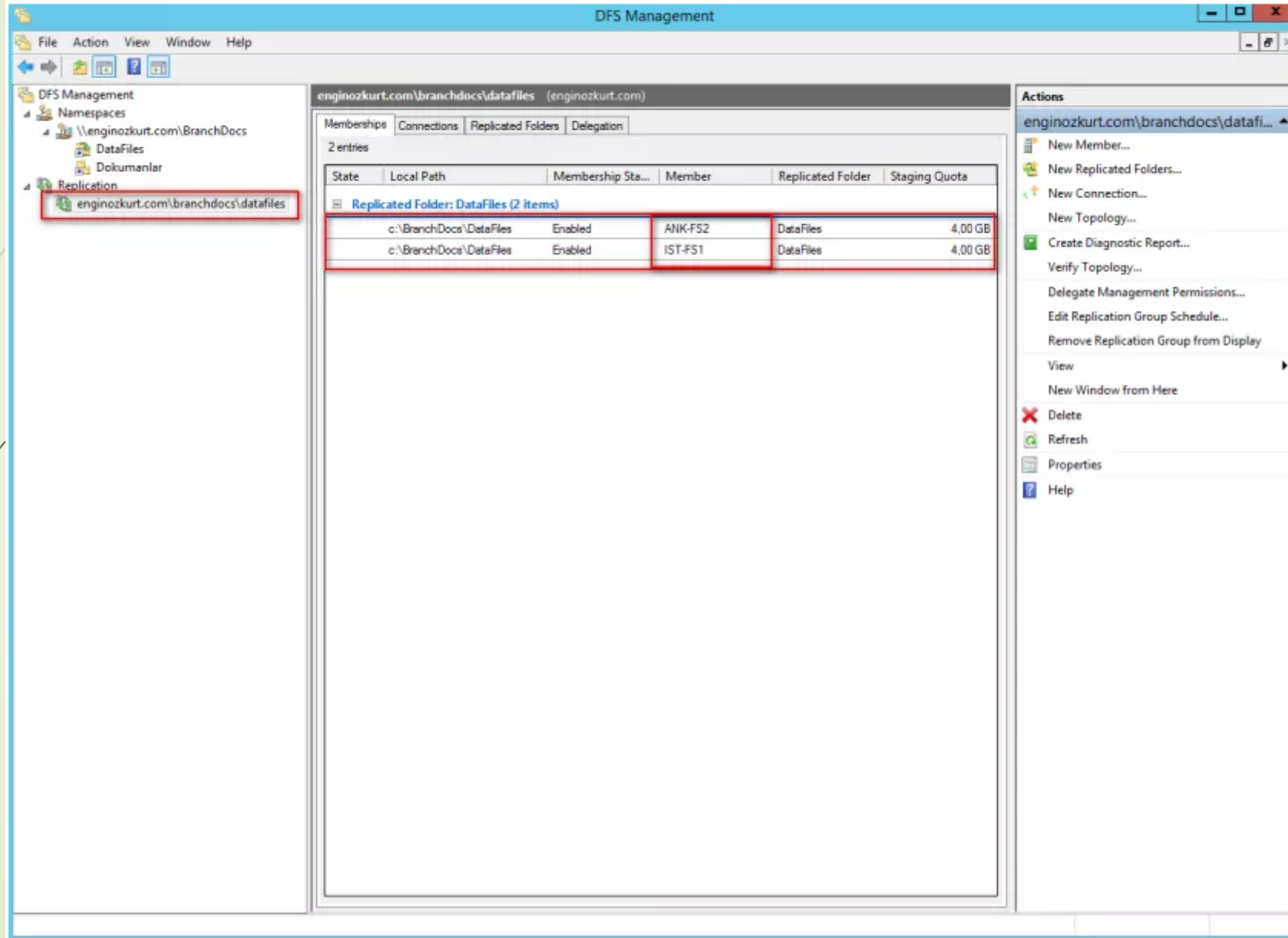
Primary Folder Target: IST-FS1

< Previous **Create** Cancel

12-Replication Group başarılı bir şekilde oluşturulmuştur.



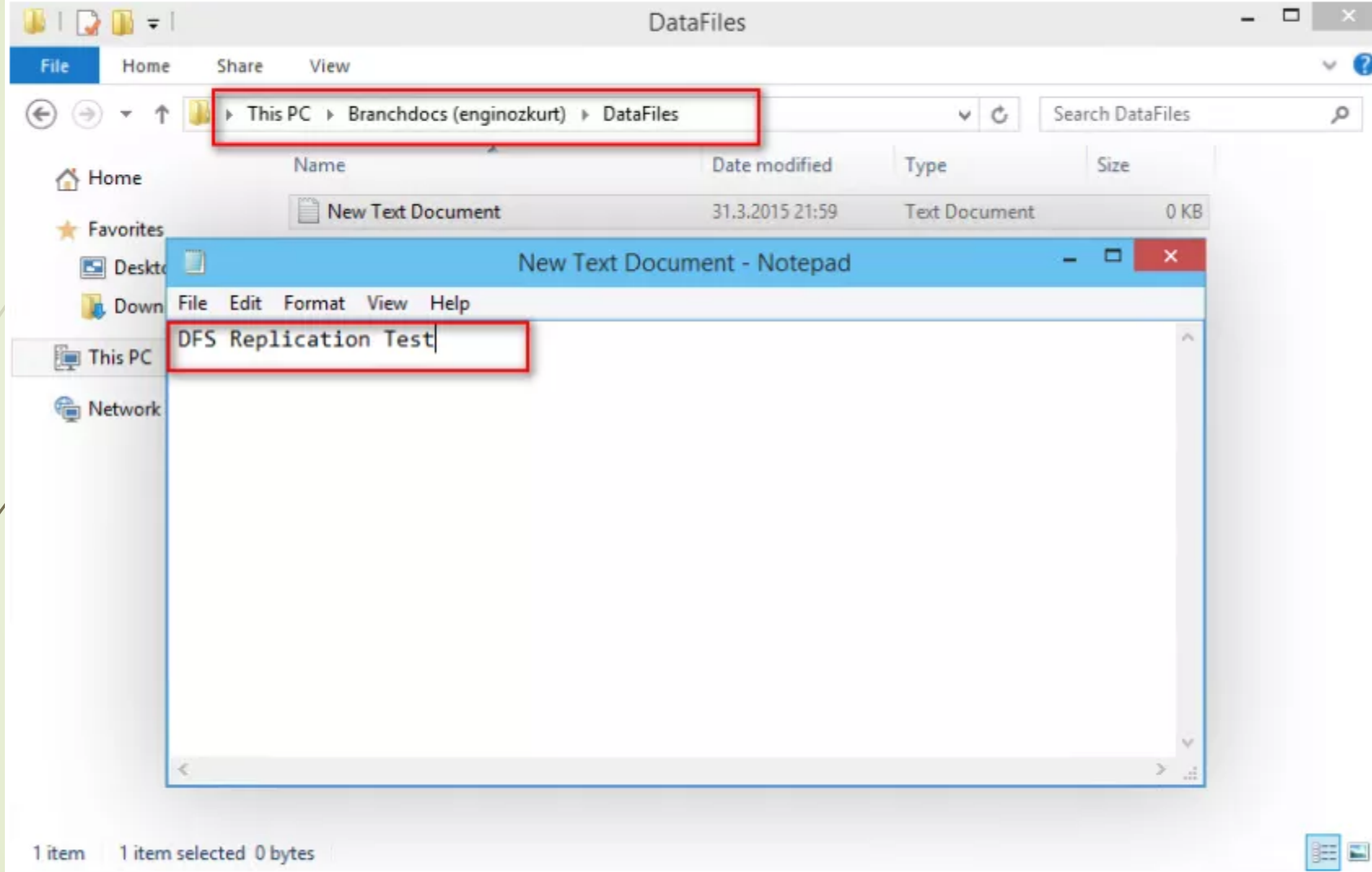
13-DFS Management> Replication kısmında benim oluşturduğum DataFiles Replication Group'u görebiliyoruz. Replication Group Memberships kısmında grubun üyelerini görebilirsiniz.



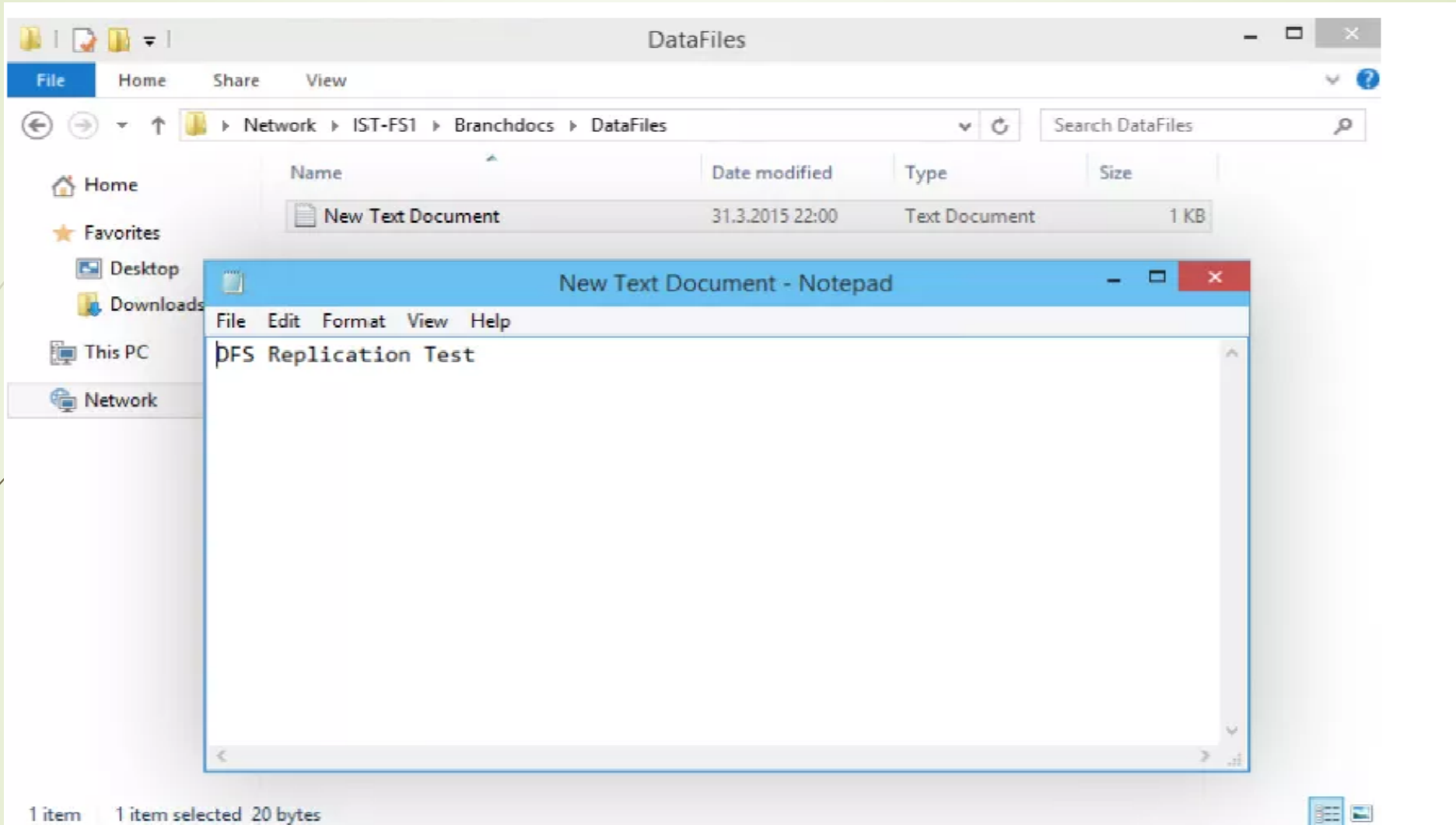
The screenshot shows the DFS Management console window. The left pane displays the tree structure with 'enginozkurt.com\branchdocs\datafiles' selected under the 'Replication' folder. The main pane shows the 'Memberships' tab for this replication group, displaying a table with 2 entries. The table columns are State, Local Path, Membership Sta..., Member, Replicated Folder, and Staging Quota. The table contains two rows, both with 'Enabled' state and '4,00 GB' staging quota. The 'Replicated Folder' column shows 'DataFiles' for both members. The 'Member' column shows 'ANK-FS2' and 'IST-FS1'. The right pane shows the 'Actions' menu with various options like 'New Member...', 'New Replicated Folders...', 'New Connection...', 'New Topology...', 'Create Diagnostic Report...', 'Verify Topology...', 'Delegate Management Permissions...', 'Edit Replication Group Schedule...', 'Remove Replication Group from Display', 'View', 'New Window from Here', 'Delete', 'Refresh', 'Properties', and 'Help'.

State	Local Path	Membership Sta...	Member	Replicated Folder	Staging Quota
Enabled	c:\BranchDocs\DataFiles		ANK-FS2	DataFiles	4,00 GB
Enabled	c:\BranchDocs\DataFiles		IST-FS1	DataFiles	4,00 GB

14-DFS Replication testini görmek için Replication Group içerisinde bulunan DataFiles paylaşımında text dosyası oluştuyorum. Burada oluşturduğum Text dosyasının hangi sunucuda oluşturulduğunu bilmiyoruz.



15- Oluşturduğum Text dosyası hem IST-FS1 üzerindeki DataFiles klasörü içerisinde oluşmuş.



16- Hem de iki sunucum olan **ANK-FS2** sunucu üzerinde **DataFiles** klasörü içerisinde oluşmuştur.