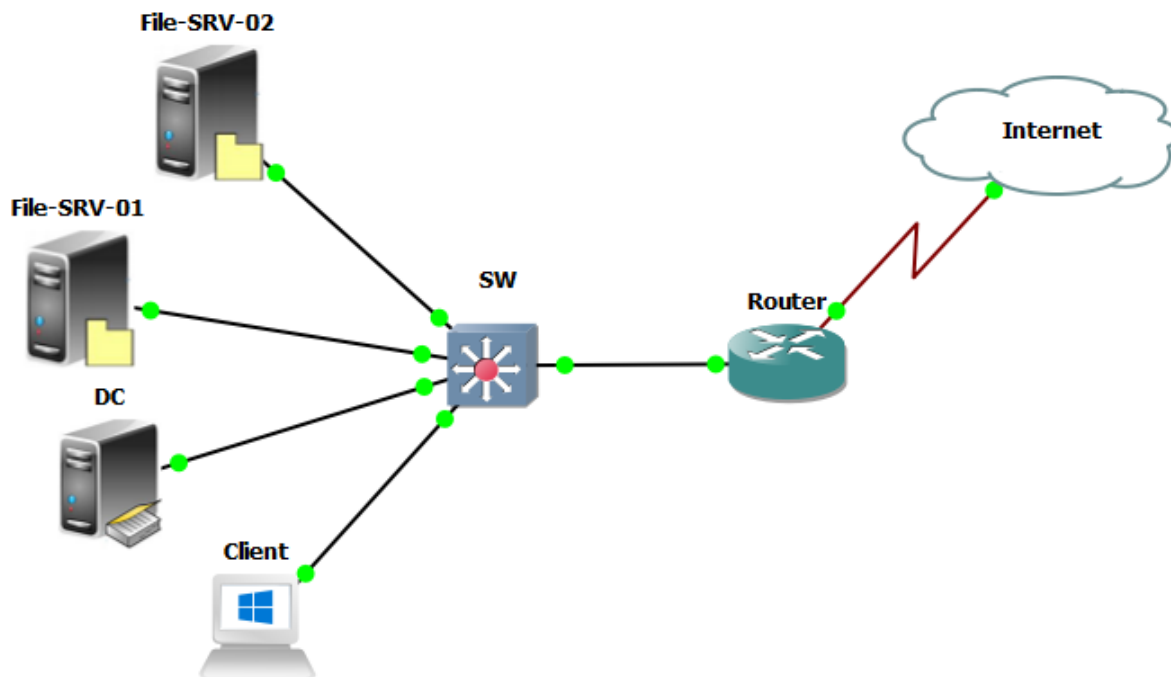


LAB 16: FILE SERVER RESOURCE MANAGER AND DFS MANAGEMENT

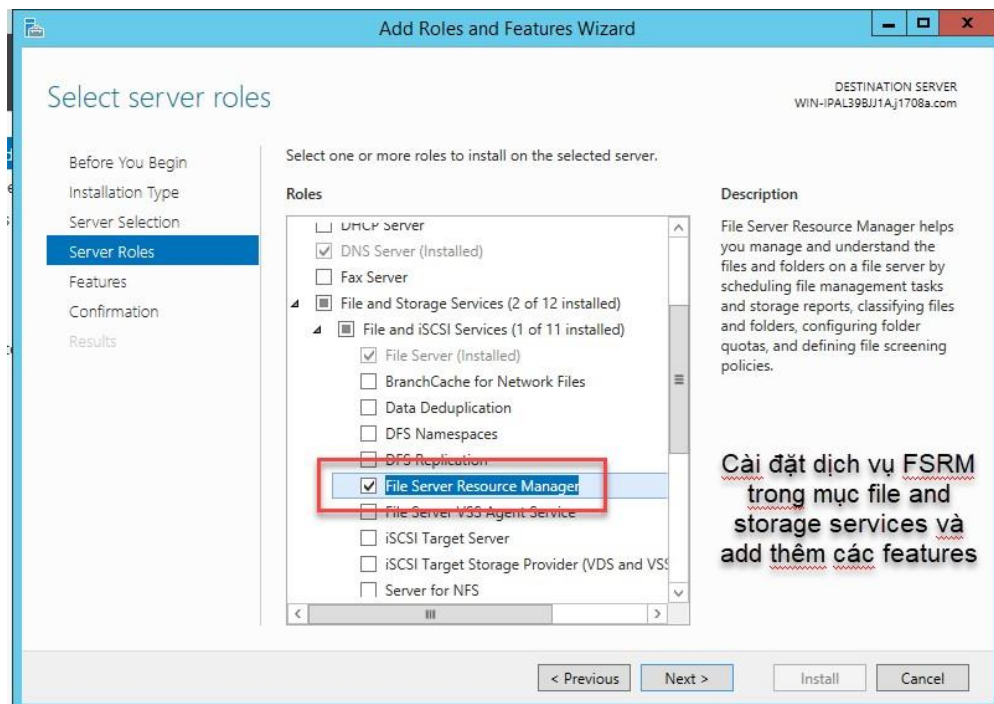


1. Chuẩn bị

- Chuẩn bị một máy DC đóng vai trò làm file server, trên máy DC tạo thư mục của các phòng ban và tiến hành share file
- Một máy winserver khác join domain.
- Một máy win 7 join domain.

2. Tiến hành FSRM

- Trên máy DC tiến hành cài đặt dịch vụ file server resource manager.



Dashboard

Manage Tools View Help

SERVER MANAGER

- 1 Configure this local server
- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group

Sau khi cài đặt xong, ta mở dịch vụ file server resource manager trong tools

SERVER GROUPS
Server groups: 1 | Servers total: 1

Server Group	Count	Services
File and Storage Services	1	IIS

- Component Services
- Computer Management
- Connection Manager Administration Kit
- Defragment and Optimize Drives
- DFS Management
- DHCP
- Event Viewer
- File Server Resource Manager**
- Group Policy Management
- Health Registration Authority
- Internet Information Services (IIS) Manager
- iSCSI Initiator
- Local Security Policy
- Network Policy Server
- ODBC Data Sources (32-bit)
- ODBC Data Sources (64-bit)
- Performance Monitor
- Remote Access Management
- Resource Monitor
- Routing and Remote Access
- Security Configuration Wizard
- Services

File Server Resource Manager

File Action View Help

File Server Resource Manager (Local)

- Quota Management
 - Quotas
 - Quota Templates
- File Screening Management
- Storage Reports Management
- Classification Management
- File Management Tasks

Quota Template	Limit	Quota Type	Description
100 MB Limit	100 MB	Hard	
200 MB Limit Reports to User	200 MB	Hard	
200 MB Limit with 50 MB Extension	200 MB	Hard	
250 MB Extended Limit	250 MB	Hard	
5MB Limit	5.00 MB	Hard	
Monitor 200 GB Volume Usage	200 GB	Soft	
Monitor 500 MB Share	500 MB	Soft	

Actions

- Quota Templates
 - Create Quota Template...
 - Refresh
 - View
 - Help

Đầu tiên ta sẽ tạo các template trong mục quota template bằng cách chuột phải vào quota templates -> create quota template

Create Quota Template

Copy properties from quota template (optional):
 100 MB Limit Copy

Settings

Template name:
 50 MB Limit Đặt tên cho template

Description (optional):

Space limit

Limit:
 100 MB Chọn dung lượng và đơn vị dữ liệu

☒ Hard quota: Do not allow users to exceed limit
☐ Soft quota: Allow users to exceed limit (use for monitoring)

Notification thresholds

Threshold	E-mail	Event Log	Command	Report
Chọn hard khi ko cho phép user lưu quá dung lượng cho phép. Chọn soft khi muốn cho user lưu dữ liệu quá dung lượng cho phép vẫn cho phép lưu trữ				

Add... Edit... Remove

Chọn add để thêm các cảnh báo khi user sử dụng đến mức hoặc quá mức cảnh báo.

OK Cancel

File Server Resource Manager

File Action View Help

File Server Resource Manager (Local)

- Quota Management
 - Quotas
 - Quota Templates
- File Screening Management
- Storage Reports Management
- Classification Management
- File Management Tasks

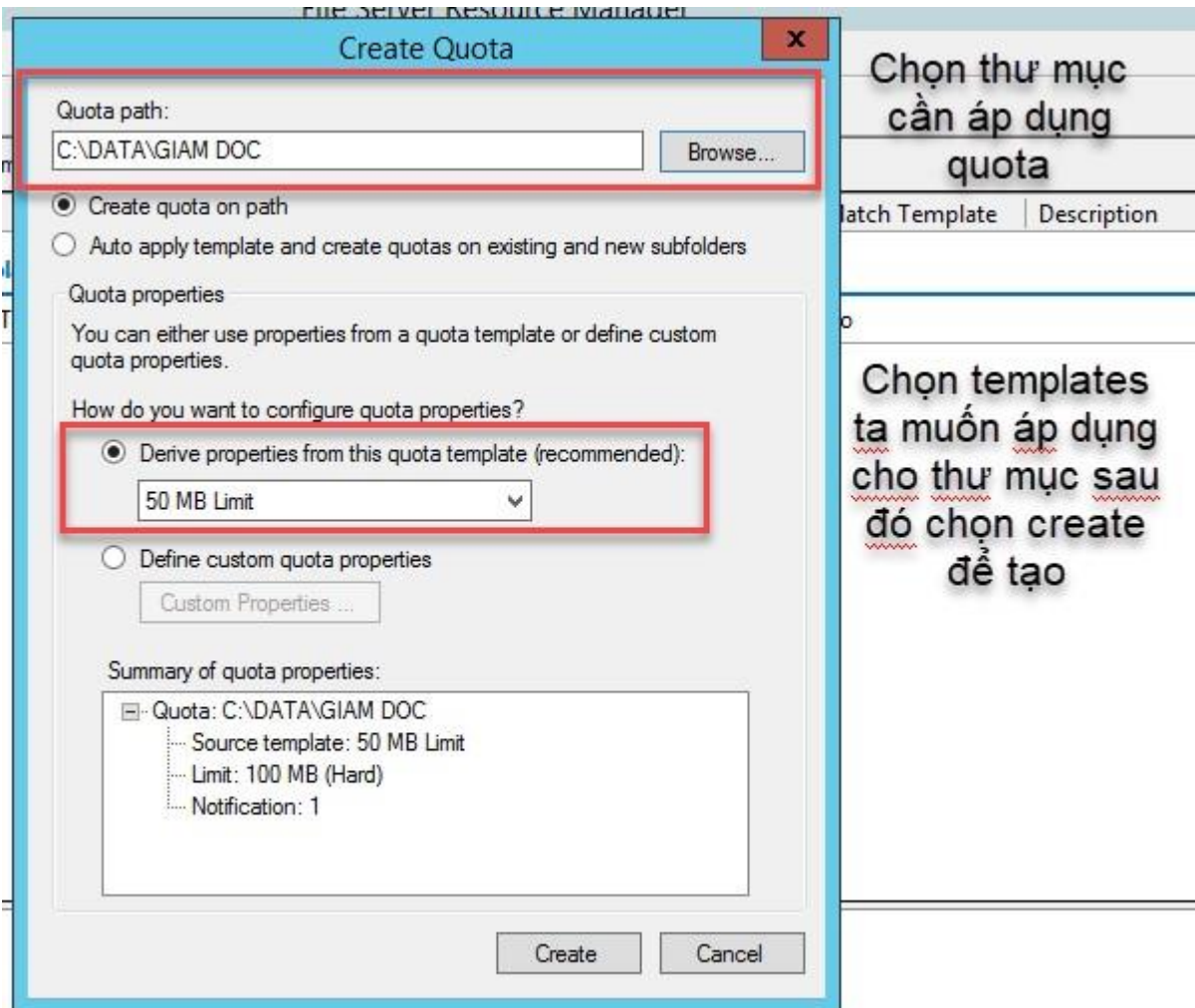
Filter: Show all: 1 items

Quota Path	% Used	Limit	Quota Type	Source Template	Match Template	Description
Source Template: 5MB Limit (1 item)						
C:\DATA\KE TOAN	43%	10.0 MB	Hard	5MB Limit	No	

Actions

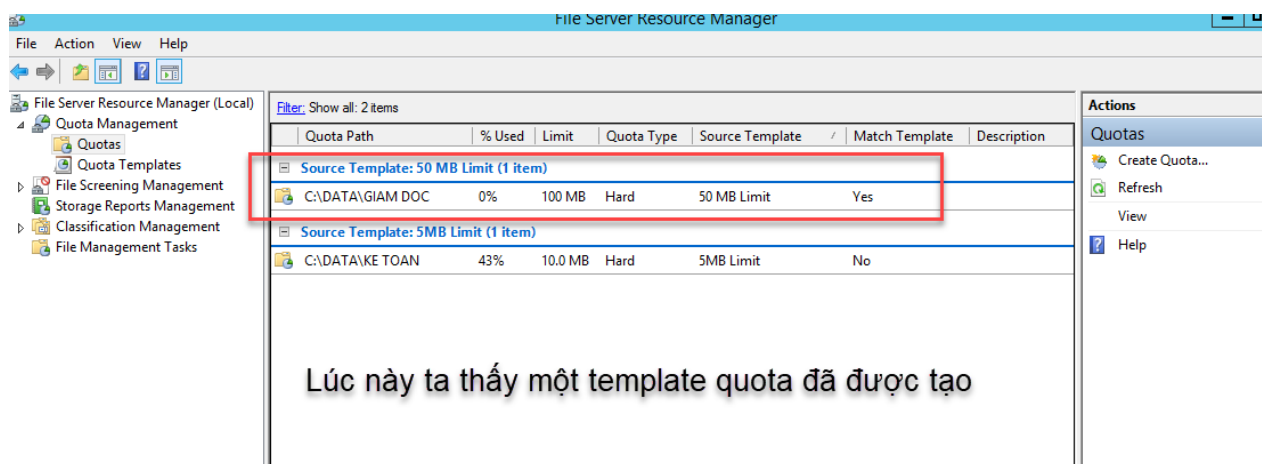
- Quotas
 - Create
 - Refresh
 - View
 - Help

Sau khi tạo templates, ta tạo quota bằng cách chuột phải vào mục quotas -> create quota



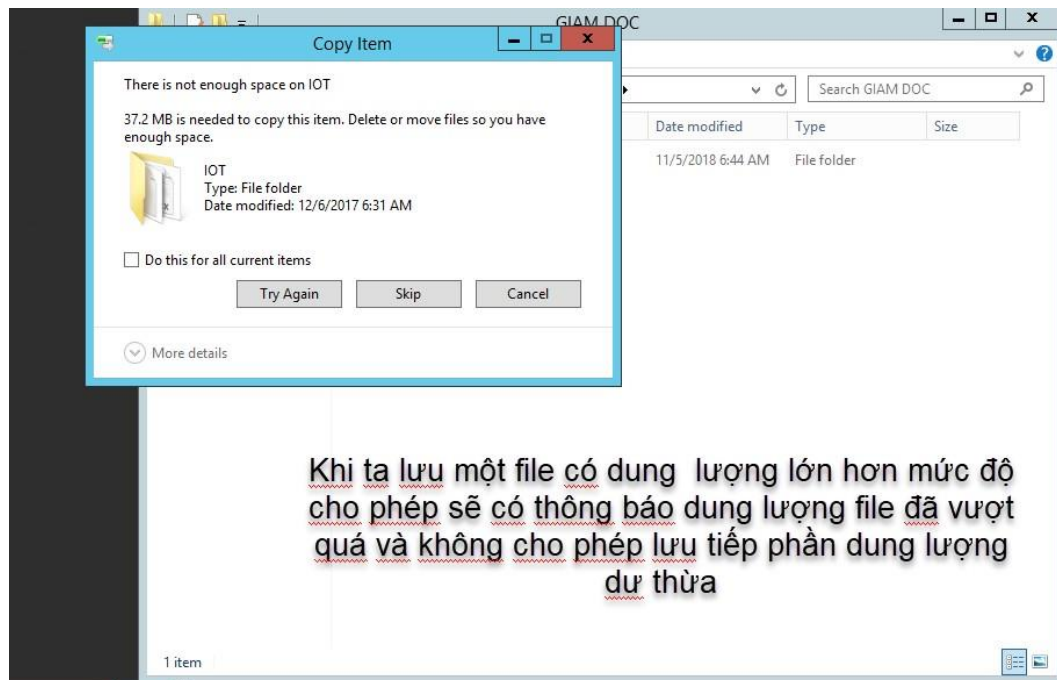
Chọn thư mục cần áp dụng quota

Chọn templates ta muốn áp dụng cho thư mục sau đó chọn create để tạo



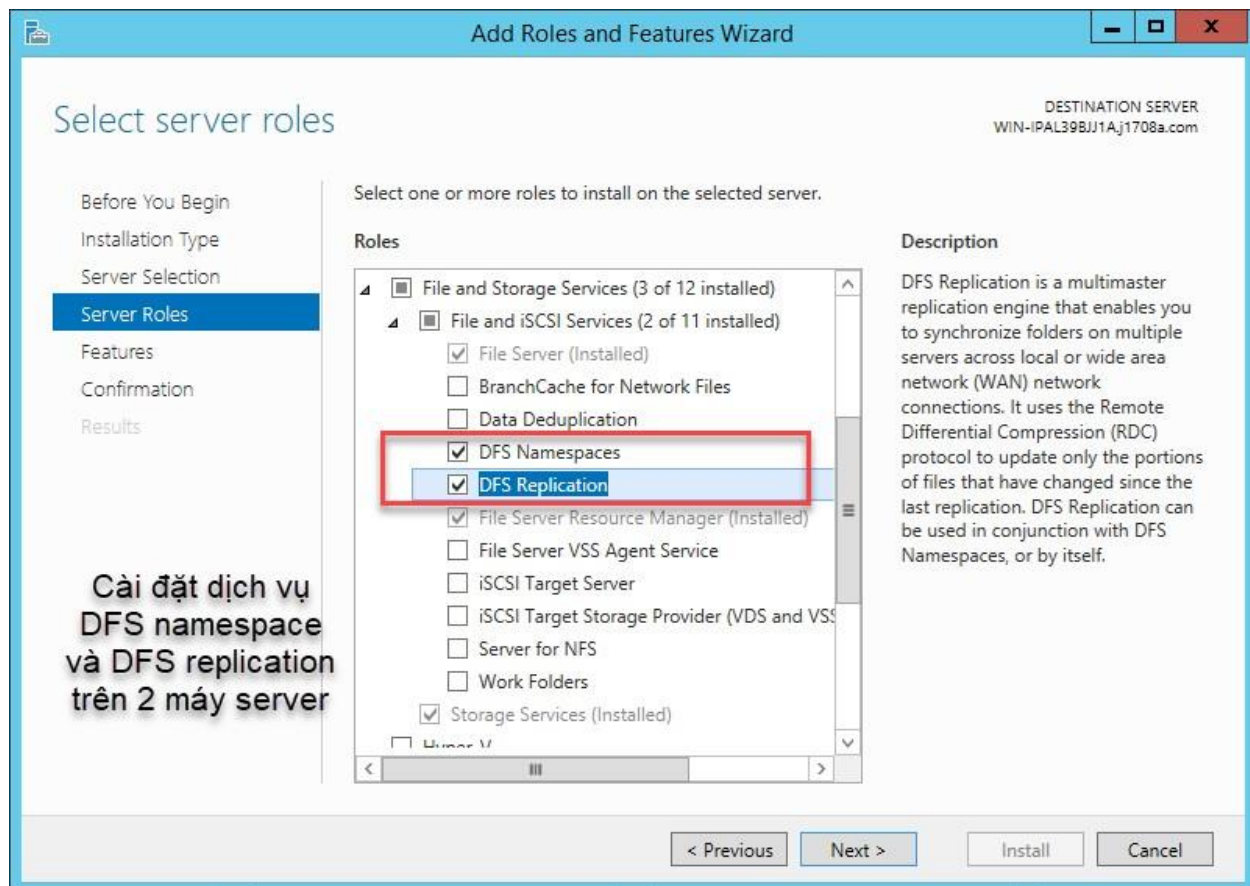
Lúc này ta thấy một template quota đã được tạo

- Sau khi tạo một quotas, ta sử dụng máy win 7 đăng nhập user có quyền chỉnh sửa tạo file trên thư mục đó.
- Tiến hành truy cập vào file share đó trên máy server từ máy win 7 và tiến hành copy một file vào thư mục đó.



Khi ta lưu một file có dung lượng lớn hơn mức độ cho phép sẽ có thông báo dung lượng file đã vượt quá và không cho phép lưu tiếp phần dung lượng dư thừa

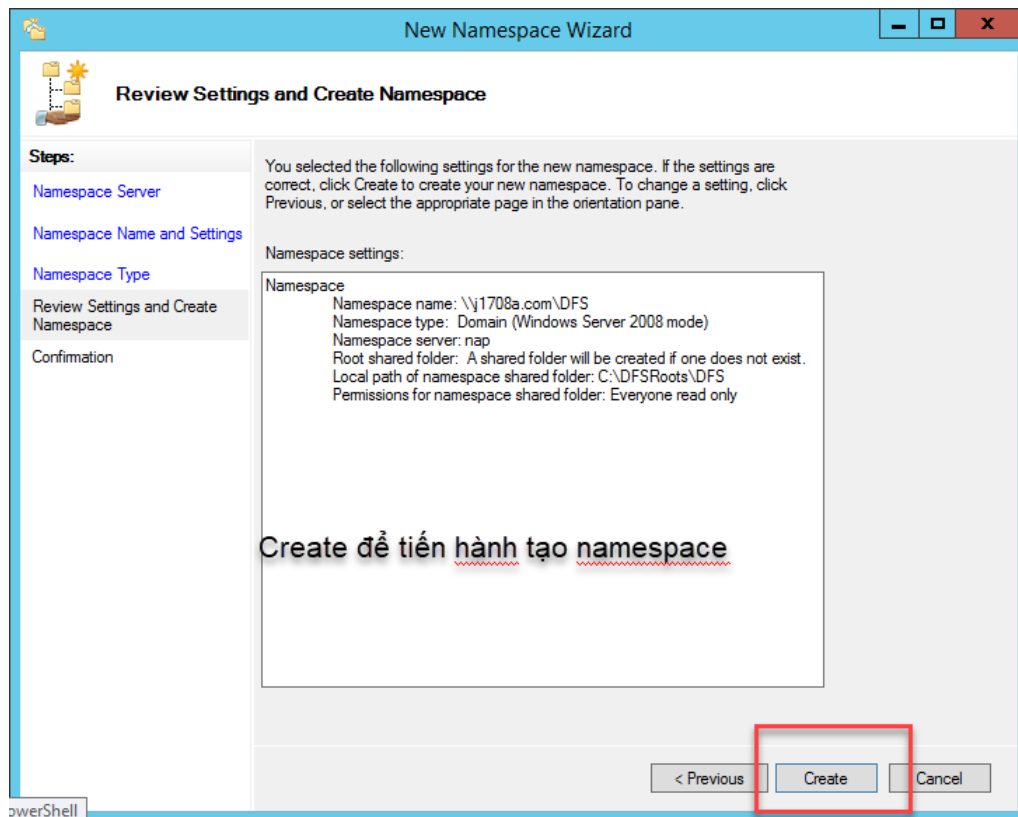
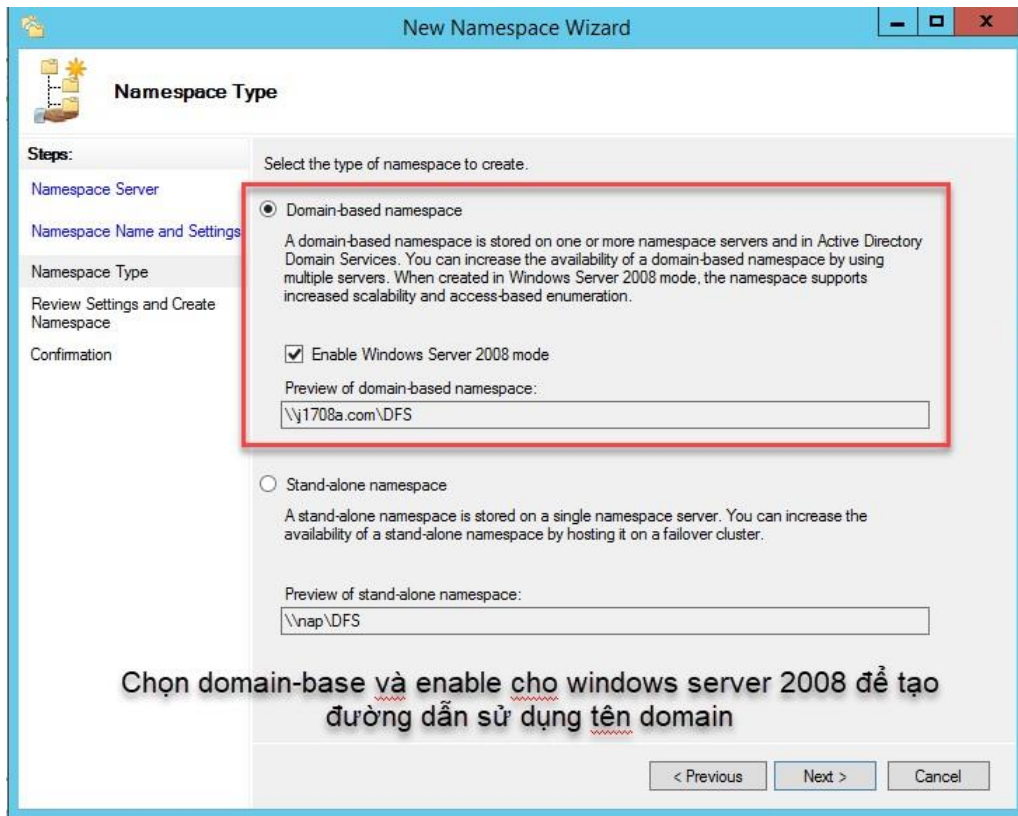
3. Tiến hành DFS

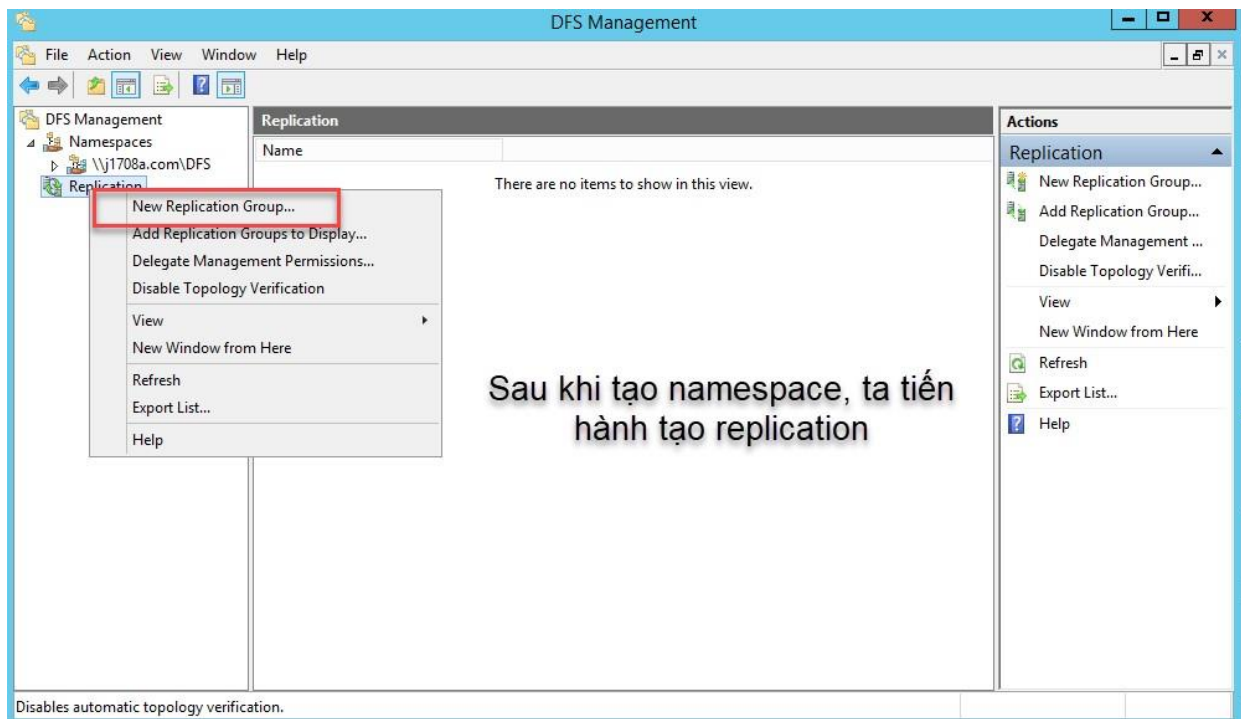
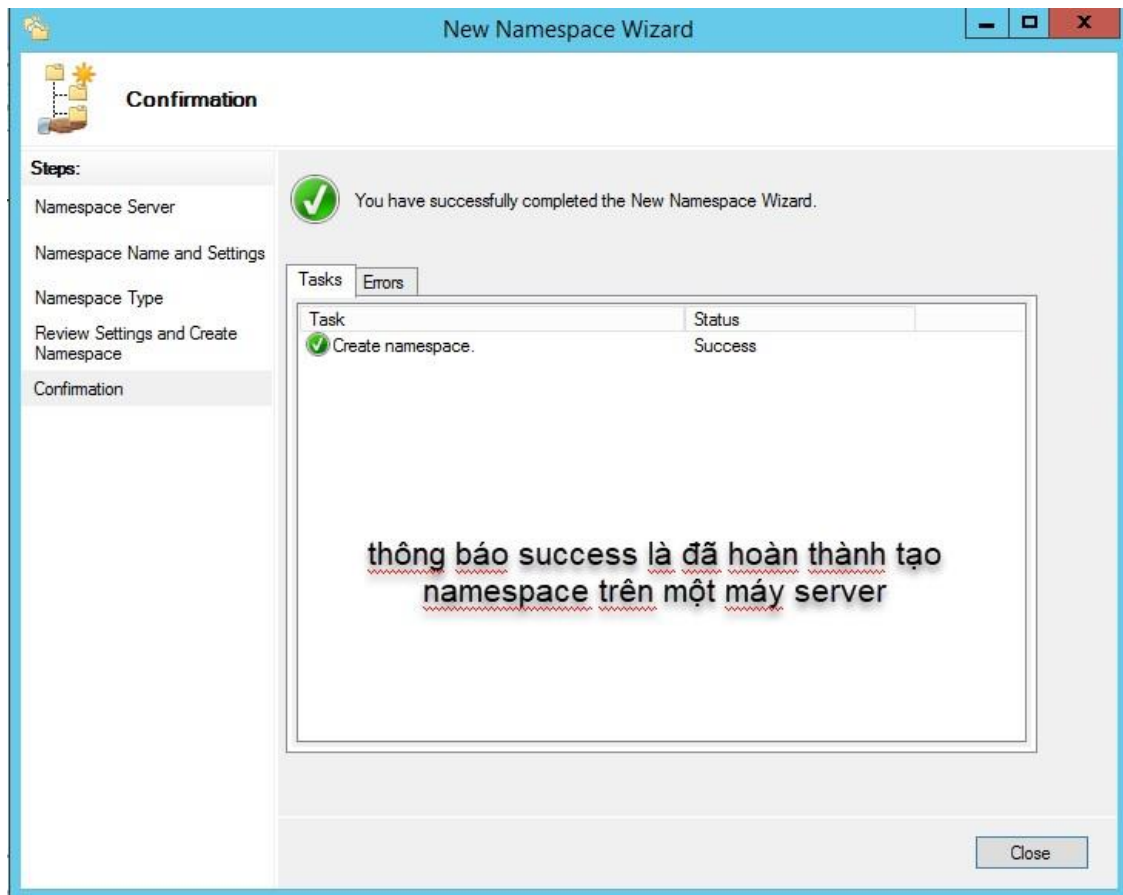


- Sau khi cài đặt xong, ta mở dịch vụ DFS management

The screenshot shows the 'New Namespace Wizard' window at the 'Namespace Server' step. The left sidebar lists the steps: 'Namespace Server' (selected), 'Namespace Name and Settings', 'Namespace Type', 'Review Settings and Create Namespace', and 'Confirmation'. The main area contains the instruction: 'Enter the name of the server that will host the namespace. The server you specify will be known as the namespace server.' Below this is a 'Server:' label, a text box containing 'nap', and a 'Browse...' button. A red rectangle highlights the 'Server:' label, the text box, and the 'Browse...' button. At the bottom, there are '< Previous', 'Next >', and 'Cancel' buttons. A large watermark in the center reads 'điền tên máy server chứa tên namespace'.

The screenshot shows the 'New Namespace Wizard' window at the 'Namespace Name and Settings' step. The left sidebar lists the steps: 'Namespace Server', 'Namespace Name and Settings' (selected), 'Namespace Type', 'Review Settings and Create Namespace', and 'Confirmation'. The main area contains the instruction: 'Enter a name for the namespace. This name will appear after the server or domain name in the namespace path, such as \\Server\Name or \\Domain\Name.' Below this is a 'Name:' label, a text box containing 'DFS', and an 'Example: Public' label. A horizontal line separates this from the next section, which says: 'If necessary, the wizard will create a shared folder on the namespace server. To modify the settings of the shared folder, such as its local path and permissions, click Edit Settings.' Below this is an 'Edit Settings...' button. At the bottom, there are '< Previous', 'Next >', and 'Cancel' buttons. A large watermark in the center reads 'Đặt tên cho namespace'.





New Replication Group Wizard

Replication Group Type

Steps: Select the type of replication group to create.

Replication Group Type

Name and Domain

Replication Group Members

Topology Selection

Hub Members

Hub and Spoke Connections

Replication Group Schedule and Bandwidth

Primary Member

Folders to Replicate

Review Settings and Create Replication Group

Confirmation

☒ Multipurpose replication group
This option configures replication between two or more servers for publication, content sharing, and other scenarios.

☐ Replication group for data collection
This option configures two-way replication between two servers, such as a branch server and a hub (destination) server. This allows you to collect data at the hub server. You can then use backup software to back up the data on the hub server.

Chọn mutipurpose replication group -> next

< Previous Next > Cancel

New Replication Group Wizard

Name and Domain

Steps: Type a name and domain for the replication group. The name of the replication group must be unique in the domain that hosts the replication group.

Replication Group Type

Name and Domain

Replication Group Members

Topology Selection

Hub Members

Hub and Spoke Connections

Replication Group Schedule and Bandwidth

Primary Member

Folders to Replicate

Review Settings and Create Replication Group

Confirmation

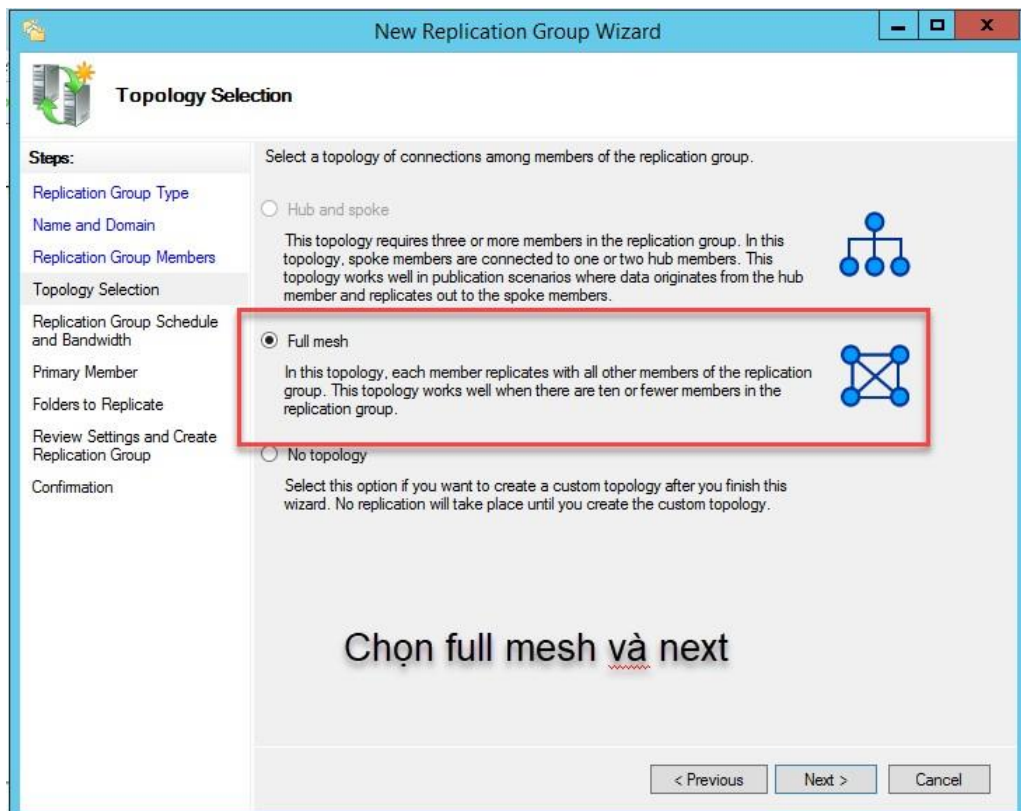
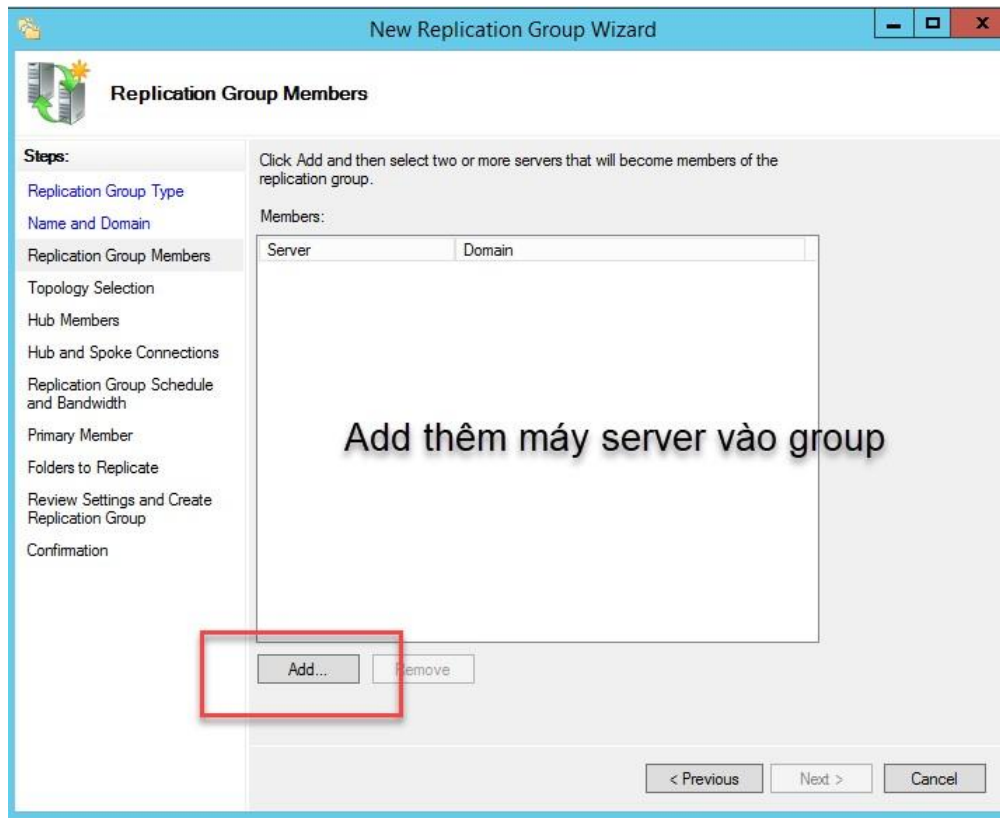
Name of replication group:
j1708a DFS

Optional description of replication group:

Domain:
j1708a.com Browse...

Đặt tên cho group replication và chọn domain

< Previous Next > Cancel



New Replication Group Wizard

Replication Group Schedule and Bandwidth

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

- Replication Group Type
- Name and Domain
- Replication Group Members
- Topology Selection
- Replication Group Schedule and Bandwidth
- Primary Member
- Folders to Replicate
- Review Settings and Create Replication Group
- Confirmation

☒ 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...

chọn option trên để máy chạy replicate liên tục

< Previous Next > Cancel

New Replication Group Wizard

Primary Member

Steps: Select the server that contains the content you want to replicate to other members. This server is known as the primary member.

- Replication Group Type
- Name and Domain
- Replication Group Members
- Topology Selection
- Replication Group Schedule and Bandwidth
- Primary Member
- Folders to Replicate
- Review Settings and Create Replication Group
- Confirmation

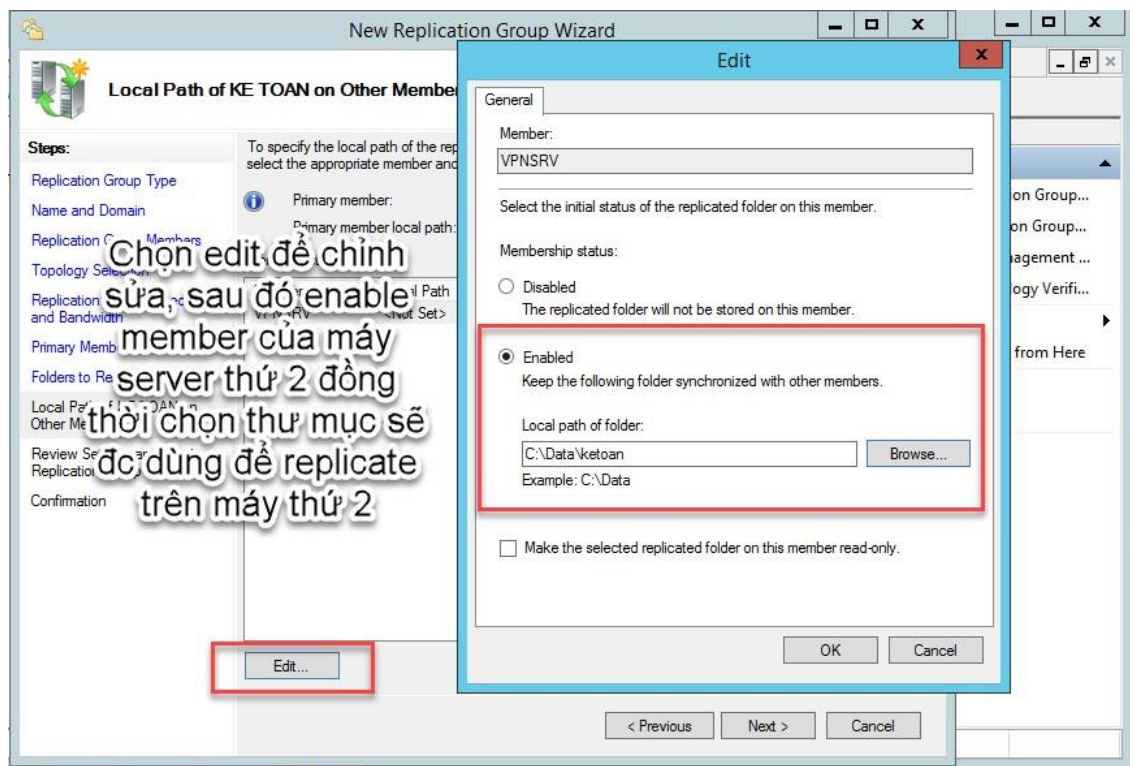
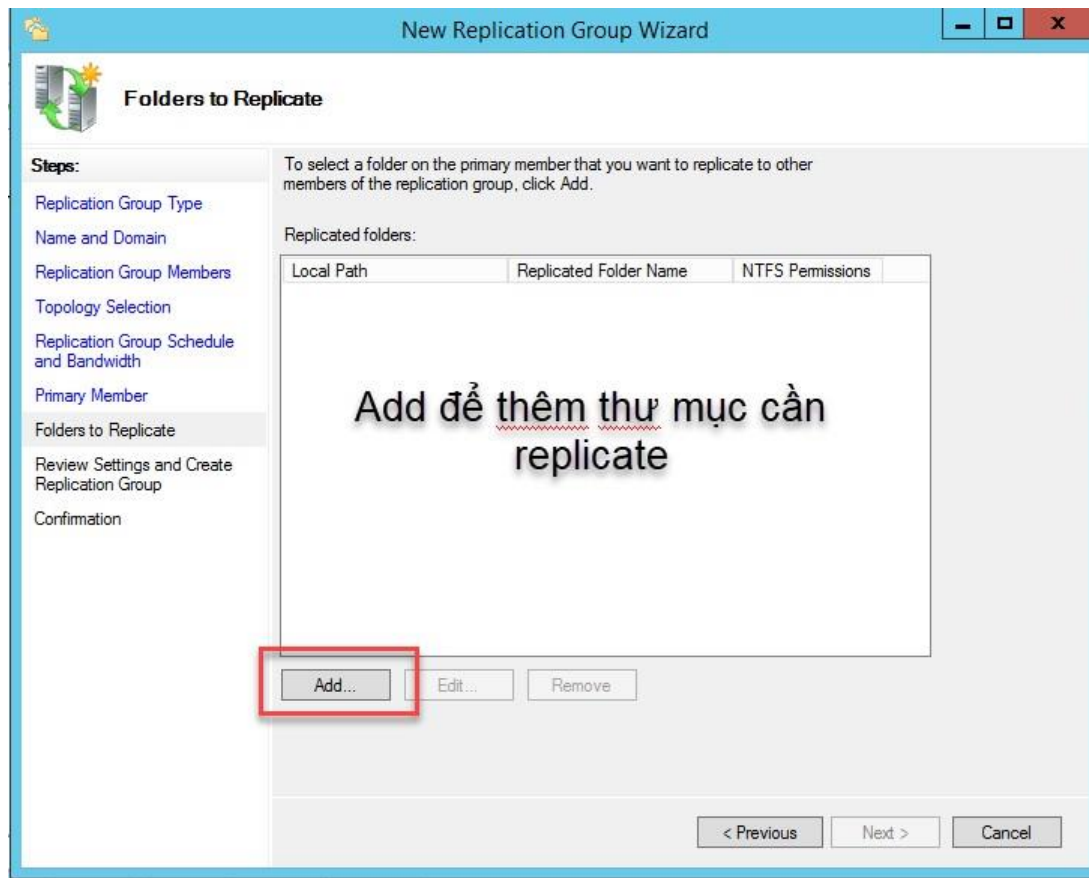
Primary member: NAP

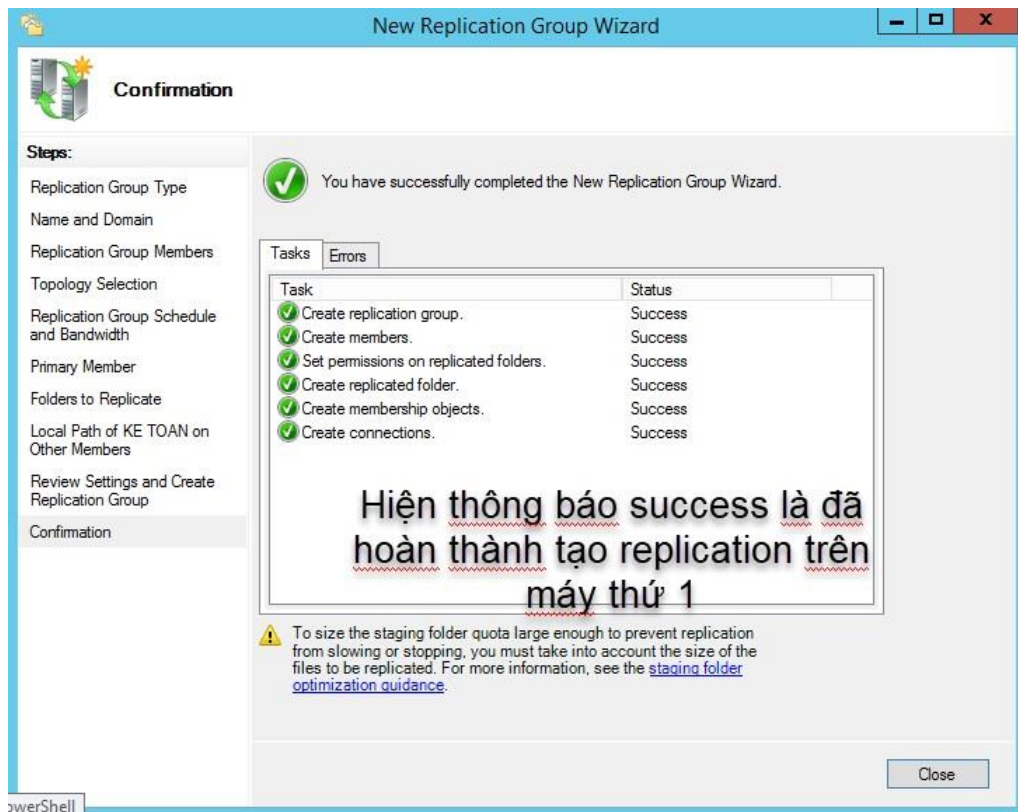
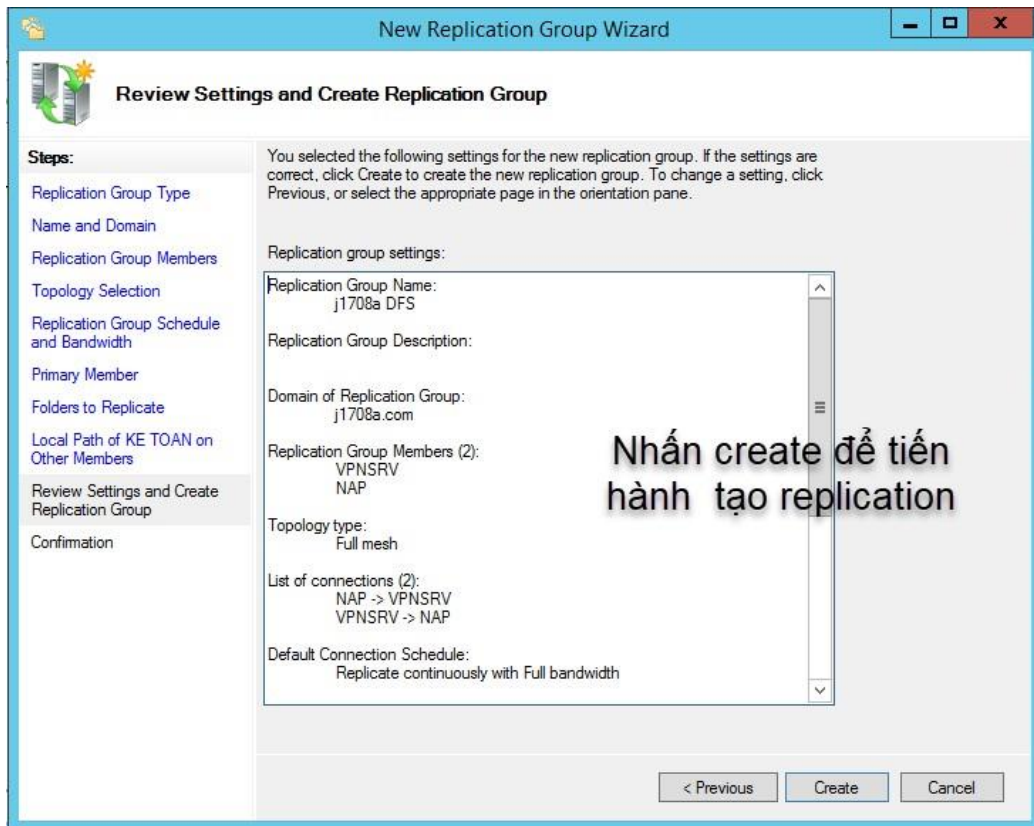
i If the folders to be replicated already exist on multiple servers, the folders and files on the primary member will be authoritative during initial replication.

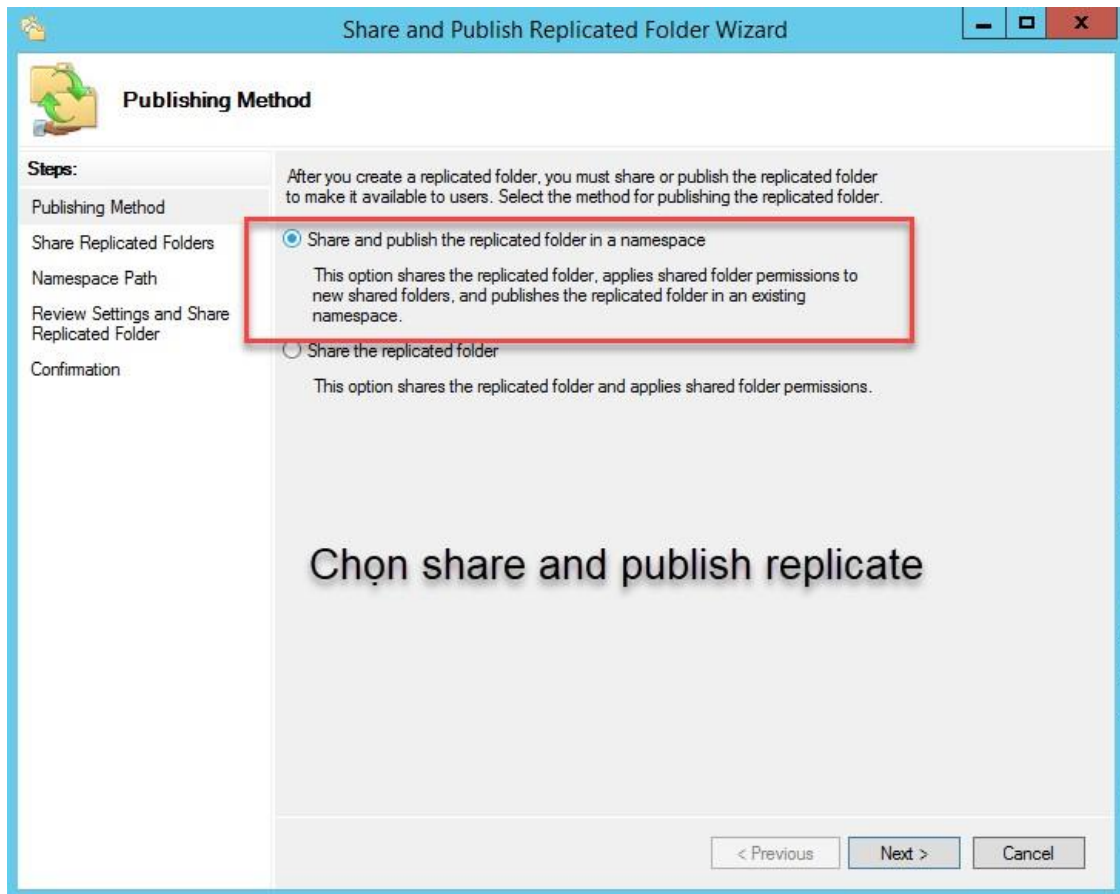
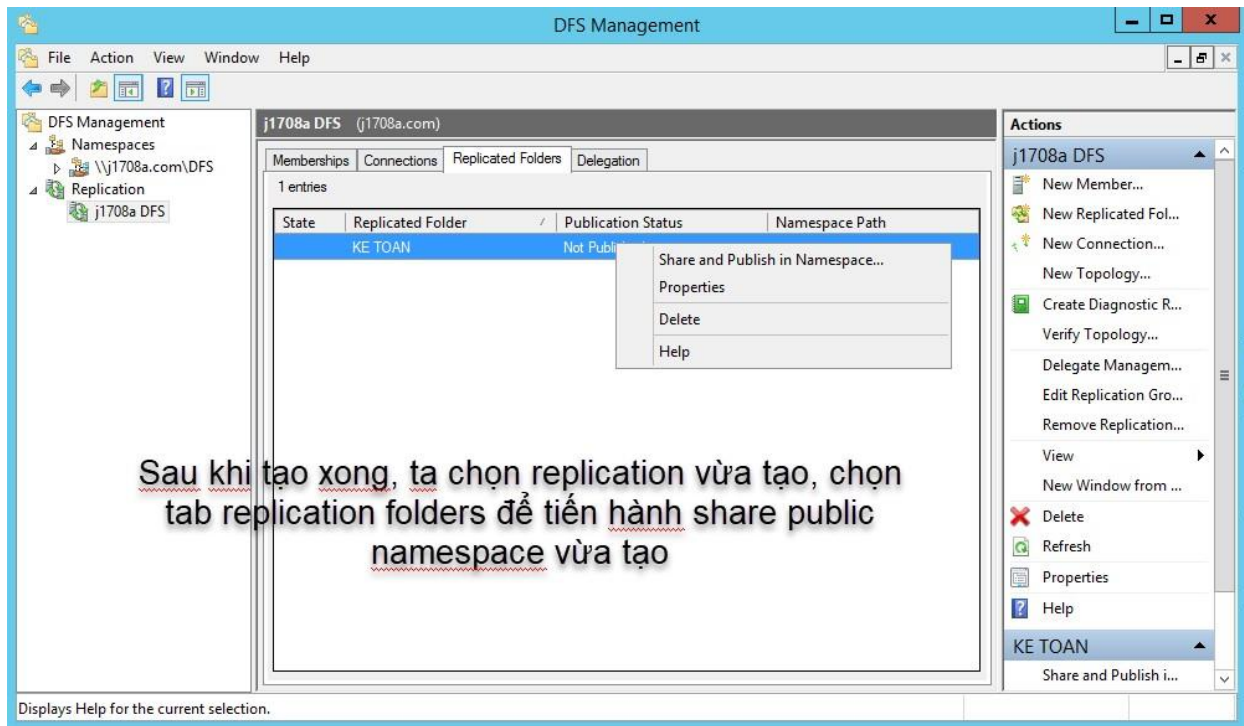
Chọn member chính

< Previous Next > Cancel

PowerShell







Share and Publish Replicated Folder Wizard

Share Replicated Folders

Steps:

- Publishing Method
- Share Replicated Folders
- Namespace Path
- Review Settings and Share Replicated Folder
- Confirmation

Review the Action column for each replicated folder. If a shared folder is needed, click Edit to specify the new shared folder name and shared folder permissions.

Details:

Members	Action
NAP	Create shared folder: KE TOAN
VPNSRV	Create shared folder: KE TOAN

Chọn máy primary member

Edit...

< Previous Next > Cancel

Share and Publish Replicated Folder Wizard

Namespace Path

Steps:

- Publishing Method
- Share Replicated Folders
- Namespace Path
- Review Settings and Share Replicated Folder
- Confirmation

Enter an existing namespace and any folders you want to create in the namespace. The last folder in the namespace path will have a folder target as the replicated folder.

Parent folder in namespace:

\\y1708a.com\DFS Browse...

Example: \\Domain\Name\Folder

New folder name:

KE TOAN

Preview of namespace path:

\\y1708a.com\DFS\KE TOAN

Nhấn browse và chọn namespace ta vừa tạo lúc này

< Previous Next > Cancel

