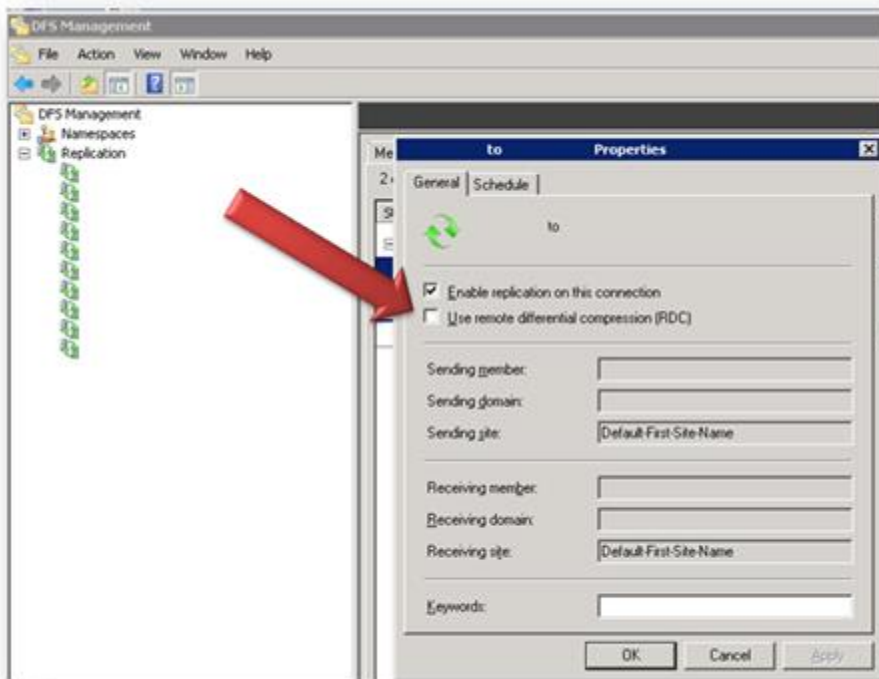# DFS Replication "Disable Remote Differential Compression (RDC) "

Disable **RDC** (Remote Differential Compression) for Servers using DFS Replication on LANs with speeds of 1GB or faster on Windows Server 2008 R2 since compressing all data during edits, additions, etc… use valuable processor time and which also improves replication by sending files in their totality rather than the deltas.

Open the **DFS Management** > click the **Replication** Group > choose the group > Select the **Connections** Tab > Right Click the **Sending Member** > Choose **Properties** > **General** Tab > Unselect **Use remote differential compression (RDC)**
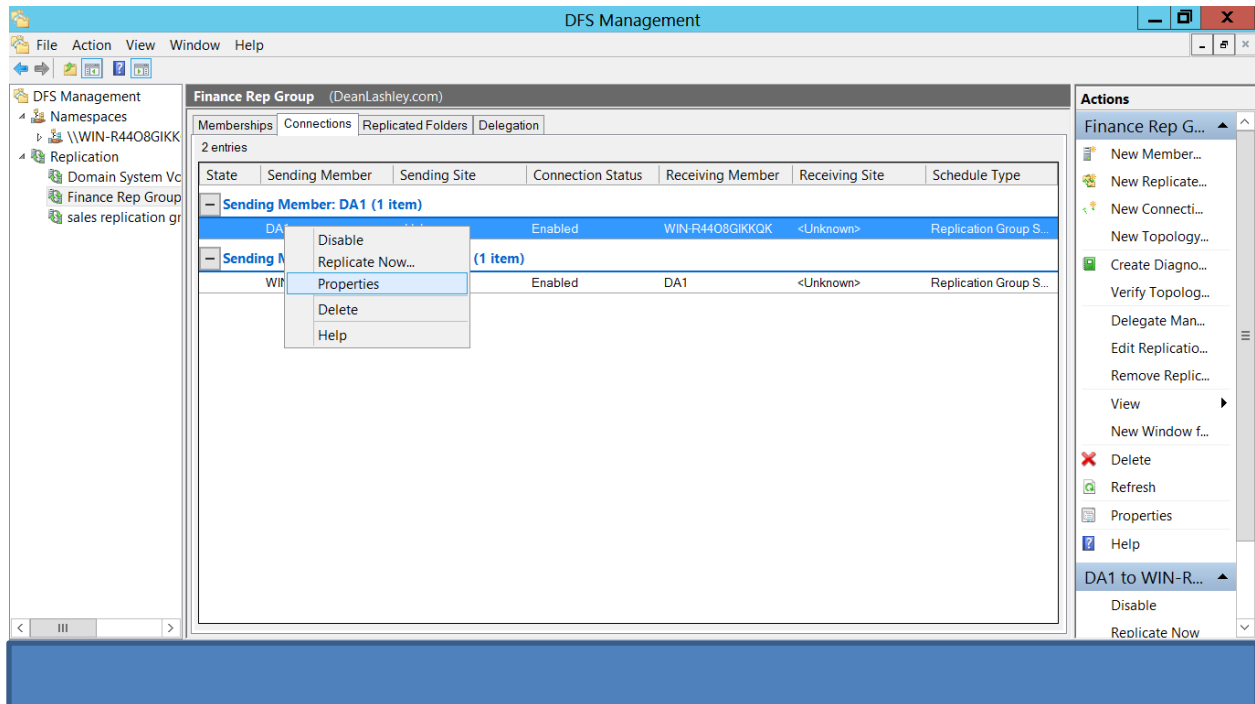

The Distributed File System Replication (DFSR) service is a new multi-master replication engine that is used to keep folders synchronized on multiple servers.

Replicating data to multiple servers increases data availability and gives users in remote sites fast, reliable access to files. **DFSR uses a new compression algorithm called Remote**

Differential Compression (RDC). RDC is a "diff over the wire" protocol that can be used to efficiently update files over a limited-bandwidth network. RDC detects insertions, removals, and rearrangements of data in files, enabling DFSR to replicate only the deltas (changes) when files are updated.

The Remote Differential Compression (RDC) feature is a set of application programming interfaces (APIs) that applications can use to determine if a set of files have changed, and if so, to detect which portions of the files contain the changes. RDC detects insertions, removals, and rearrangements of data in files, which enables an application to replicate only the changed portions of a file. This is useful when replicating files over a limited-bandwidth network such as a wide area network (WAN) connection.

DA1 to WIN-R44O8GIKKQK Properties ✕

General | Schedule

🔄 DA1 to WIN-R44O8GIKKQK

☑ Enable replication on this connection
☑ Use remote differential compression (RDC)

Sending member:	DA1
Sending domain:	DeanLashley.com
Sending site:	

Receiving member:	WIN-R44O8GIKKQK
Receiving domain:	DeanLashley.com
Receiving site:	

Keywords:

[OK] [Cancel] [Apply]