The following table describes the changes in DFS Namespaces and DFS Replication functionality.

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Feature/functionality	New or updated?	Description
Windows PowerShell module for DFS Replication	New in Windows Server 2012 R2	Provides Windows PowerShell cmdlets for performing the majority of administration tasks for DFS Replication, as well as new functionality.
DFS Replication: Windows Management Infrastructure provider	New in Windows Server 2012 R2	Provides the latest Windows Management Infrastructure (WMI)-based methods to manage DFS Replication.
DFS Replication: Database cloning for initial sync	New in Windows Server 2012 R2	Provides support for bypassing initial replication when creating new replicated folders, replacing servers, or recovering from a disaster.
DFS Replication: Database corruption recovery	New in Windows Server 2012 R2	Provides support for rebuilding corrupt databases without unexpected data loss caused by non-authoritative initial sync.
DFS Replication: Cross-file RDC disable	New in Windows Server 2012 R2	Provides the option to disable cross-file remote differential compression (RDC) between servers.
DFS Replication: File staging tuning	New in Windows Server 2012 R2	Provides the option to configure variable file staging sizes on individual servers.
DFS Replication: Preserved file restoration	New in Windows Server 2012 R2	Provides the capability to restore files from the ConflictAndDeleted and PreExisting folders.
DFS Replication: Database dirty shutdown recovery	Updated in Windows Server 2012 R2	Enables automatic recovery after a loss of power or an unexpected stopping of the DFS Replication service.
DFS Replication: Membership disable	Updated in Windows Server 2012 R2	Stops DFSR private folder cleanup when disabling a server's membership in a replicated folder.
Windows PowerShell module for DFS Namespaces	New in Windows Server 2012	Provides Windows PowerShell cmdlets for performing the majority of administration tasks for DFS Namespaces.

DFS Namespaces: Site awareness for DirectAccess clients	New in Windows Server 2012	Provides remote client computers with optimal referrals to corporate resources when the computers connect by using DirectAccess to the corporate network.
DFS Namespaces: Windows Management Infrastructure provider	New in Windows Server 2012	Provides the latest Windows Management Infrastructure-based management methods to manage DFS Namespaces.
DFS Replication: Support for Data Deduplication volumes	New in Windows Server 2012	Provides support for replicated folders stored on volumes that use Data Deduplication.