#### **Enable BranchCache for the Server**

- On the Start screen, type gpedit.msc, and then press Enter.
   Browse to Computer Configuration\Administrative
   Templates\Network\Lanman Server, and do the following:
- <sup>2.</sup> oEnable Hash Publication for BranchCache Select Allow hash publication only for shared folder on which BranchCache o is enabled

### **Enable BranchCache for a File Share**

- 1. Open a **Windows Explorer** window, and on drive C, create a folder named **Share**. Configure the **Share** folder properties as follows:
- <sup>2.</sup> oEnable Share this folder

o Check Enable BranchCache in Offline Settings

# **Monitoring BranchCache**

After the initial configuration, you want to verify that BranchCache is configured correctly and functioning correctly. You can use the **netsh branchcache show status all** command to display the BranchCache service status. You can also use the **Get-BCStatus** cmdlet to provide BranchCache status and configuration information. The client and hosted cache servers display additional information, such as the location of the local cache, the size of the local cache, and the status of the firewall rules for HTTP and WS-Discovery protocols that BranchCache uses.

You can also use the following tools to monitor BranchCache:

Event Viewer. Use this tool to monitor the BranchCache events that are recorded in both the Application log and the Operational log. The Application log is located in the Windows Logs folder, and in the Operational log is located in the Application and Service Logs\Microsoft\Windows\BranchCache folder.

• Performance counters. Use this tool to monitor BranchCache performance monitor

counters. BranchCache performance monitor counters are useful debugging tools for monitoring BranchCache effectiveness and health. You can also use BranchCache performance monitoring to determine the bandwidth savings in the Distributed Cache mode or in the hosted cache mode. If you have implemented Microsoft System Center 2012 - Operations Manager in the environment, you can use the Windows BranchCache Management Pack for Operations Manager 2012.

### **Configuring the Client Firewall to Enable BranchCache Protocols**

In the distributed cache mode, BranchCache clients use the HTTP protocol for data transfer between client computers, and the WS-Discovery protocol for cached content discovery. You should configure the client firewall to enable the following incoming rules:

- BranchCache–Content Retrieval (Use HTTP)
- •BranchCache–Peer Discovery (Use WS–Discovery)

In hosted cache mode, BranchCache clients use the HTTP protocol for data transfer between client computers, but this mode does not use the WS-Discovery protocol. In the hosted cache mode, you should configure the client firewall to enable the incoming rule, BranchCache–Content Retrieval (use HTTP).

Windows Firewall with Advanced Security     L						
File Action View Help						
🗢 🄿 🙇 📰 🗟 🚺			_			
💮 Windows Firewall with Advance	Inbound Rules					Actions
<ul> <li>Inbound Rules</li> <li>Outbound Rules</li> <li>Connection Security Rules</li> <li>Monitoring</li> </ul>	Name WSUS	Group	Profile All	Enabled Yes	Ac ^	Inbound Rules
	Øwsus		All	Yes	All	Filter by Profile
	Active Directory Domain Controller - Ec     Active Directory Domain Controller - Ec	Active Directory Domain Ser Active Directory Domain Ser	All All	Yes Yes	All ≡ All	Filter by State
	Active Directory Domain Controller - LD	Active Directory Domain Ser	All	Yes	All	Y Filter by Group
	Active Directory Domain Controller - LD Active Directory Domain Controller - LD	Active Directory Domain Ser Active Directory Domain Ser	All	Yes Yes	All	View
	Active Directory Domain Controller - Net	Active Directory Domain Ser	All	Yes	All	Refresh
	Active Directory Domain Controller - SA	Active Directory Domain Ser	All	Yes	All	Help
	Active Directory Domain Controller - Sec     Active Directory Domain Controller - Sec	Active Directory Domain Ser	All All	Yes Yes	All	Selected Items
	Active Directory Domain Controller - W3	Active Directory Domain Ser	All	Yes	All	O Enable Rule
	Active Directory Domain Controller (RPC) Active Directory Domain Controller (RPC	Active Directory Domain Ser Active Directory Domain Ser	All	Yes Yes	All	🤞 Cut
	Active Directory Web Services (TCP-In)	Active Directory Web Services	All	Yes	All	Сору
	AD FS HTTP Services (TCP-In)	AD FS	All	Yes	All	Delete     Help
	AD FS Smart-card Authentication Service      Barder Gateway Bratacol (PGD, In)	AD FS Rorder Cateway Brotocol (R	All	Yes	All	
	BranchCache Content Retrieval (HTTP-In)	BranchCache - Content Retr	All	No	All	
	BranchCache Hosted Cache Server (HTT BranchCache Peer Discovery (WSD-In)	BranchCache - Hosted Cach BranchCache - Peer Discove	All	No	All	
	Certification Authority Enrollment and M	Certification Authority	All	Yes	All	
	Certification Authority Enrollment and M	Certification Authority	All	Yes	All	

## **Additional Configuration Tasks for BranchCache**

After you configure BranchCache, clients can access the cached data in BranchCacheenabled content servers, which are available locally in the branch office. You can modify BranchCache settings and perform additional configuration tasks, such as:

- Setting the cache size.
- Setting the location of the hosted cache server.
- •Clearing the cache.
- •Creating and replicating a shared key for using in a server cluster.