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FTP Server Configuration through TMG firewall help

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Statistics

Started: 4/21/2011
Last Reply: 4/26/2011
Helpful Votes: 0
Replies: 9
Views: 3,406[Frequently asked questions - Forums help](#)**AJ Forefront Problem** 0 Points

Thursday, April 21, 2011 6:24 PM

0
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Hello Everyone,

I am having some issues allowing access to my ftp server from outside. However, accessing from inside network works fine.

I have forefront 2010 edge firewall (My network layout is Internet----->TMG ForeFront----->Windows Web Server 2008R2 - This server has two NICs - one is connected to Inside LAN and another one is connected to TMG network)Network Topology. I run through the setup wizard create new server publishing rule.

I am using the FTP Server protocol

My Firewall Policy (Non-Web Server Publish)

Traffic: FTP Server
From: External
To: Server IP (10.10.10.30)
Selected "Requests appear to come from the Forefront TMG computer"
Network: Perimeter

FTP Access Rule

Protocols: FTP
From: External
To: Server Name – (FTP Server IP Address 10.10.10.30)
Users: All Users

FTP Server: Windows Web Server 2008R2

When I try to ftp from LAN it works. However, when I try to ftp from external address I get following log report in my TMG Logs Report Screen

Denied Connection TMGServer 4/11/20xx 10:26:28 PM
Log type: Firewall service
Status: The policy rules do not allow the user request.
Rule: Default rule
Source: Perimeter (xxx.xx.xxx.xx:2801)
Destination: Local Host (xxx.xx.xx.xx:21)
Protocol: FTP

I am using TMG Logs Reports to check traffic in TMG/Forefront. When I access FTP server from outside Network my TMG Log Report shows:

Denied Connection TMGServer 4/14/20xx 10:26:28 PM
Log type: Firewall service
Status: The policy rules do not allow the user request.
Rule: Default rule
Source: Perimeter (xxx.xx.xxx.xx:2801)
Destination: Local Host (xxx.xx.xx.xx:21)
Protocol: FTP

If you can help me to figure out this problem I would really appreciate.

Thanks and regards,

AJ

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AJ Forefront Problem 0 Points

Tuesday, April 26, 2011 1:29 AM

Hello Everyone,

0

Thank you all for your help. We have resolved our issue.

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After all your suggestions and tips, I was still getting the same Denied Connection message see below):

Denied Connection TMGServer
Log type: Firewall service
Status: The policy rules do not allow the user request.
Rule: Default rule
Source: Perimeter (xxx.xx.xxx.xx:2801)
Destination: Local Host (xxx.xx.xx.xx:21)
Protocol: FTP

We were running out of time for further troubleshooting. So, we decided to call Microsoft and Keith A. Abluton helped us to sort out our issue. **Many thanks to Microsoft and full credit goes to Keith.**

Solution

Non-web Server Protocol Publishing Rules will not work on a Forefront TMG 2010y that was installed as a Back Firewall unless the Perimeter Network is removed. The following step is required to remove the perimeter network:

On the Network Rules tab in Networking, remove Perimeter Network rules (we had two rules - rule 4 and 5 listed as Perimeter Network Rules) and keep External (Built in network.) Network Rule.

To configured the Non-web Server Protocol Publishing FTP rule, please click this link <http://technet.microsoft.com/en-us/library/cc995163.aspx> . For more information about how to create FTP server please refer the links that Mark Grote listed above.

Thanks again for your help.

Best regards,

AJ

Marked As Answer by [AJ Forefront Problem](#) Tuesday, April 26, 2011 1:30 AM

[Reply](#) [Quote](#)**All Replies**Marc Grote [j-j] IT TRAINING GROTE (Partner, MVP)
24,505 Points

Thursday, April 21, 2011 6:41 PM

Hi,

0

you only need the FTP Server publishing rule. The "normal" access rule will not work when the network relationship between the external network and the internal network is NAT, which is the default.

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For FTP Server publishing please compare your settings with this guidelines:

<http://technet.microsoft.com/en-us/library/cc995163.aspx>

<http://www.isaserver.org/tutorials/Microsoft-Forefront-TMG-FTP-and-FTP-Server-publishing.html>

You must also configure your FTP service on the IIS for FTP with Firewalls:

<http://learn.iis.net/page.aspx/309/configuring-ftp-firewall-settings/>

<http://www.iis.net/ConfigReference/system.applicationHost/sites/siteDefaults/ftpServer/firewallSupport>

regards Marc Grote aka Jens Baier - www.it-training-grote.de - www.forefront-tmg.de - www.nt-faq.de

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AJ Forefront Problem 0 Points

Friday, April 22, 2011 12:15 AM

0
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Hello Marc Grote,

Thank you for responding my query. Your links were very helpful. I went over my FTP Server configuration and found no issue. I deleted my existing policy and re-created a new FTP Server publishing rule as described above. However, I am still getting same error message similar to

Denied Connection TMGServer 4/11/20xx 10:26:28 PM
Log type: Firewall service
Status: The policy rules do not allow the user request.
Rule: Default rule
Source: Perimeter (xxx.xx.xxx.xx:2801)
Destination: Local Host (xxx.xx.xx.xx:21)
Protocol: FTP

As listed above my network layout is Internet----->TMG ForeFront----->Windows Web Server 2008R2 - This server has two NICs - one is connected to Inside LAN and another one is connected to TMG network. I think my FTP Server publishing rule is ignored by TMG. It looks like I am missing some configuration. Any pointers would be a huge help.

Best regards,

AJ

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ngharibyan Synergy International Sy... 0 Points

Friday, April 22, 2011 1:00 PM

0
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Hi,

Please Use Traffic simulator to simulate traffic from outside and attach the diagnostic log result here.

Narek

[Reply](#) [Quote](#)



AJ Forefront Problem 0 Points

Friday, April 22, 2011 10:24 PM

0
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Hi Narek,

Here is the Traffic Simulator Result

Denied Traffic
- destination URL host name could not be resolved
Rule Name: Default rule
Rule Order:

Additional information
From: Perimeter
To: Local Host
Network Rule Name: None - Route implied (Local Host traffic)
Network Relationship: Route
Protocol: FTP
Rule Application Filter:

Diagnostic log result

30 4/22/2011 6:16:14 PM fff42123 Firewall service The packet was sent to or from the Local Host network. Therefore,an implicit network rule with a route relationship between the source and destination is applied.

Regards,

AJ

[Reply](#) [Quote](#)**ngharibyan** Synergy International Sy... 0 Points

Sunday, April 24, 2011 7:55 PM

Hi AJ,

0
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There is two unclear points in your log;

1. destination URL cannot be resolved? DID you checked your DNS configs? I mean did your DNS server resolve site name correctly?
2. Why did you initiate traffic from perimeter to Localhost? Please initiate from any public address to your FTP server and copy paste here full diagnostic log.

Regards,
Narek[Reply](#) [Quote](#)**AJ Forefront Problem** 0 Points

Monday, April 25, 2011 2:46 AM

Hello Narek,

0
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Yes, dns server resolved the site name correctly.

see my log file

Firewall service The Firewall service is performing rule evaluation.

Firewall service Protocol: FTP

Firewall service Packet properties: Source IP address: xxx.xx.xxx.xx Source array

network: Perimeter Destination IP address: xx.xx.xx.xx Destination array network:

Internal

Firewall service Forefront TMG will check only rules that are associated with the protocol FTP.

Firewall service Forefront TMG is evaluating the rule [System] Allow MS Firewall Control communication to selected computers.

Firewall service The source port does not match the rule.

Firewall service This Web publishing rule was skipped for this packet.

Firewall service This Web publishing rule was skipped for this packet.

Firewall service Forefront TMG is evaluating the rule Default rule.

Firewall service The rule Default rule matches the packet and may deny it. However, a rule that precedes this rule in the list of policy rules and matches the packet will take precedence and may allow the packet.

Firewall service The rule Default rule blocked the packet.

Firewall service The Firewall service is performing rule evaluation.

Firewall service Packet properties: Source IP address: xxx.xx.xxx.xx Source array

network: Perimeter Destination IP address: x.x.x.x Destination array network:

Internal

Firewall service Forefront TMG is looking for an applicable network rule.

Firewall service Forefront TMG is evaluating the network rule Local Host Access.

Firewall service The source IP address in the packet does not match the source specified in the network rule.

Firewall service Forefront TMG is checking the reverse direction of the network rule Local Host Access.

Firewall service The destination IP address in the packet does not match the source specified in the network rule.

Firewall service The source IP address in the packet does not match the source specified in the network rule.

Firewall service The source IP address in the packet does not match the destination specified in the network rule.

Firewall service Forefront TMG is evaluating the network rule Internet Access.

Firewall service The source IP address in the packet does not match the source specified in the network rule.

Firewall service Forefront TMG is checking the reverse direction of the network rule Internet Access.

Firewall service The source IP address in the packet does not match the destination specified in the network rule.

Firewall service Forefront TMG is evaluating the network rule Internal to Perimeter FTP Server.

Firewall service The source IP address in the packet does not match the source specified in the network rule.

Firewall service Forefront TMG is checking the reverse direction of the network rule Internal to Perimeter FTP Server.

Firewall service The source IP address in the packet does not match the destination specified in the network rule.
 Firewall service Forefront TMG is evaluating the network rule Perimeter to External Relationship.
 Firewall service The destination IP address in the packet does not match the destination specified in the network rule.
 Firewall service Forefront TMG is checking the reverse direction of the network rule Perimeter to External Relationship.
 Firewall service The source IP address in the packet does not match the destination specified in the network rule.
 Firewall service Forefront TMG is evaluating the network rule Internal to Perimeter Relationship.
 Firewall service The source IP address in the packet does not match the source specified in the network rule.
 Firewall service Forefront TMG is checking the reverse direction of the network rule Internal to Perimeter Relationship.
 Firewall service The source and destination in the packet match the source and destination specified in the network rule Internal to Perimeter Relationship in the reverse direction.
 Firewall service The network rule Internal to Perimeter Relationship matches the source and destination. A route relationship is specified.

Record Time Context Log Source Message

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AJ Forefront Problem 0 Points

Monday, April 25, 2011 10:50 AM

Hello Marc Grote,

0
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I did not hear back from you. Do you have any update for me regarding my " FTP Server Configuration through TMG firewall help" issue?

Regards,
 AJ

[Reply](#) [Quote](#)



AJ Forefront Problem 0 Points

Monday, April 25, 2011 10:50 AM

Hello Narek,

0
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Did you get a chance to review my log?

Regards,

AJ

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AJ Forefront Problem 0 Points

Tuesday, April 26, 2011 1:29 AM

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0
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Marked As Answer by [AJ Forefront Problem](#) Tuesday, April 26, 2011 1:30 AM

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