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ICMP Reply is the answer to a ping. In times of no host-based firewalls ICMP replies always seems to be no issue. With more-and-more security restrictions it may have be blocked by the PC administrator or is blocked by default.

The challenge I have seen was during rebuilding my lab. As long as I was on the same subnet, I could ping and communicate with all kind of applications, but once I have those two routers installed, Ping did not work anymore



By design, Windows Vista and Windows 7 do not allow ICMP using Windows Firewall with Advanced Security. To enable ICMP replies, when initiated from a different subnet you could create an inbound rule for ICMP

- 1 Open Administrative Tools from Control Panel
- 2 Double-Click Windows Firewall with Advanced Security



3 - Double-Click Inbound Rules

- 🔐 Windows Firewall with Advanced Security on Local Computer
 - 🔣 Inbound Rules
 - Cutbound Rules
 - 🌆 Connection Security Rules
- Monitoring



DISCLAIMER

This Technical Tip or TechNote is provided as information only. I cannot make any guarantee, either explicit or implied, as to its accuracy to specific system installations / configurations. Readers should consult each Vendor for further information or support.

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4 - Search for File and Printer Sharing (Echo - ICMP4-In) and click on properties

Inbound Rules Filtered by: File and Printer Sharing				
Name	Group	Profile	Enabled	Action
SFile and Printer Sharing (Echo Request - ICMPv4-In)	File and Printer Sharing	Domain	Yes	Block
SFile and Printer Sharing (Echo Request - ICMPv4-In)	File and Printer Sharing	Public	Yes	Block
🕖 File and Printer Sharing (Echo Request - ICMPv4-In)	File and Printer Sharing	Private	Yes	Allow

5 -Click on Scope and add remote subnet (10.0.0.0/8 - in this case)

ile and Print Users and	ter Sharing (Echo Request - ICMPv4-In) Properties 23 Computers Protocols and Ports Scope Advanced General Program and Services	IP A	Address 23
General	This is a predefined rule and some of its properties cannot be modified.		This IP address or subnet:
	Name: File and Printer Sharing (Echo Request - ICMPv4-In) Description: Echo Request messages are sent as ping requests to other nodes.		Examples: 192.168.0.12 192.168.1.0/24 2002;9d3b:1a31:4:208:74ff.fe39:6c43 2002:9d3b:1a31:4:208:74ff.fe39:0/112
Action	Enabled Allow only serve connections		From:
Learn mar	Require encyption Override block rules Block the connections	() L	Predefined set of computers: Default gateway earn more about specifying IP addresses
Ledititio	C ANVIA WICKS SKAWINS OK Cancel Apply		OK Cancel

Click on OK and Apply

General	Progra	Programs and Services		
Jsers and Computers	Protocols and Ports	Scope	Advanced	
Local IP address				
📷 💿 Any IP a	ddress			
📲 🗍 💿 These If	addresses:			
		Add		
		Edit		
		Remo		
Remote IP address			ve	
Remote IP address	ddress			
Remote IP address Any IP a These IF Local st	ddress ° addresses: Jbnet	Add		
Remote IP address Any IP a These If Local st 10.0.0	ddress ⁹ addresses: Jonet J/8	Add		
Remote IP address Any IP a These If Local st 10.0.0.0	ddress ° addresses: ubnet 1/8	Add		
Remote IP address	ddress P addresses: ubnet 1/8	Add Edit. Remo		

(Public Rule)

General	Progra	Programs and Services			
Users and Computers	Protocols and Ports	Scope	Advanced		
Local IP address	ddress				
These IP	addresses:	Add.			
		Edit.			
		Remo	ve		
 Any IP ac These IP Local su 	ddress addresses: bnet	Add			
		Edit.			
		Remo	ve		

Note: If you want to enable ICMP replies from any IP address, activate "any IP address and enable the rule

