

Yesterday, while trying to review the GUI configuration on a NetScaler running firmware 10.1, I was unable to access it from any modern browser (IE 11, Edge, Chrome and Firefox) or the current 8.x version of Java. Tried from my Windows 10 workstation and from some 2012R2 and 2008R2 servers.

To access the NetScaler GUI with these older version of 10.x and prior firmware, you'll need a 7.x Java version and IE 11 (with no updates) or earlier.

Here is how I finally created a jump server that works.

- 1. Downloaded Oracle Virtual Box 5.1 from https://www.virtualbox.org/
- 2. Installed on local Windows 10 workstation
- 3. Downloaded Windows Server 2012R2 120 Eval DVD from https://www.microsoft.com/en-us/evalcenter/evaluate-windows-server-2012-r2
- 4. Created a Virtual Machine on Virtual Box with 1 GB RAM, 1 vCPU and a 20 GB C: drive

💱 Oracle VM VirtualBox	Manager	- 🗆 X	
File Machine Help			
🧼 🌞 🗣 🕯	•	Details Snapshots	
New Settings Discard	Show		
WIN2012R2	General	Preview	^
	Name: WIN2012R2 Operating System: Other Windows (64- bit) System Base Memory: 1024 MB Boot Order: Floppy, Optical, Hard Disk Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX		
	Display		
	Video Memory: 26 MB Remote Desktop Server: Disabled Video Capture: Disabled		
	Storage		~



a. Make sure to set the Network to NAT – that way it will DHCP locally, or if you are on a VPN it will DHCP from there (Establish VPN first, then start the jump VM)

🤹 W	IN2012R2 -	Settings				?	×
	General	Network					
	System	Adapter 1	Adapter 2	Adapter 3	Adapter 4		
	Display	Enable Netwo	ork Adapter	•			
\bigcirc	Storage		Name:		Х. 		~
	Audio	Advance	ed				
	Network						
	Serial Ports						
j>	USB						
	Shared Folders						
•	User Interface						
]				ОК	Ca	ncel

- 5. DO NOT UPDATE the 2012R2 image with Microsoft updates/hotfixes/downloads! You need to keep this image at the base release version.
- 6. Downloaded jdk-7u80-windows-i586.exe from <u>http://www.oracle.com/technetwork/java/javase/downloads/java-archive-downloads-javase7-521261.html</u>
- 7. Install jdk-7u80-windows-i586.exe into the 2012R2 base install
- 8. After install, open control panel and click Java (32 Bit)



9	All Control Panel Items	_ D ×
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Adjust your computer's settings		View by: Large icons 🔻
		_
🚧 Action Center	Administrative Tools	AutoPlay
Color Management	Credential Manager	Date and Time
Default Programs	Device Manager	Devices and Printers
Display	Ease of Access Center	Folder Options
Fonts	Internet Options	iscsi Initiator
Java (32-bit)	Keyboard	🚰 Language
J Mouse	Network and Sharing Center	Notification Area Icons
Phone and Modem	Power Options	Programs and Features
Region	RemoteApp and Desktop	Sound v

9. Under GENERAL - TEMPORARY INTERNET FILES - SETTINGS





a. Click on DELETE FILES

Temporary Files Se	ettings X
Keep temporary files on my computer.	
Location	
Administrator \AppData \LocalLow \Sun \Java \Depl	oyment\cache Change
Disk Space	New
Select the compression level for JAR files: Set the amount of disk space for storing tempora	None V
	32768 🗘 MB
Delete Fil	es Restore Defaults
	OK Cancel

i. Put a checkmark into all three boxes



- ii. Click OK
- b. Clear the checkmark from KEEP TEMPORARY FILES ON MY COMPUTER



Select	the location where te	emporary files are	kept:	
Admir	strator\AppData\Loc	alLow\Sun\Java\D	eployment\cache	Change
Disk Space				
Select	the compression leve	for JAR files:	None	~
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c. Click OK

10. Under SECURITY

- a. Change SECURITY LEVEL to MEDIUM
- b. Under EXCEPTION SITE LIST, click EDIT SITE LIST and add <u>http://0.0.0.0</u> (change to the IP address of the NetScaler you wish to administer), add additional entries for other NetScalers that require Java.



<u>≗</u>	Java Control Panel		- • ×
General Update Java Security	dvanced		
Enable Java content in the brows	r		
Security Level			
 Very High (Most secure setting) 			
Only Java applications identifie allowed to run.	d by a non-expired certificate fi	rom a trusted aut	hority will be
 High (Minimum recommended) 			
Java applications identified by	a certificate from a trusted aut	nority will be allow	ed to run.
Medium (Least secure setting) All Java applications will be allo	ved to run after presenting a s	ecurity prompt.	
Exception Site List			
Applications launched from the sil	es listed below will be allowed t	o run after the ap	propriate security
http://192.168.1.1		Edit	Site List
	Restore Security Promp	ts Manage	Certificates
		OK Canc	el Apply

- c. Click OK
- 11. You should now be able to open the NetScaler GUI and it will ask you to download the Java Applets to access various portions of the NetScaler GUI that require Java
- 12. When you access certain parts of the GUI where Java is required, you will see this popup.



o you wa	nt to run this	application?	
	Name:	NetScaler Configuration Utility	
S.	Publisher:	Citrix Systems, Inc.	
	Location:	http://172.20.198.65	
formation at ris	k. Run this application the second seco	from the publisher and location above	
Do not show			

- 13. Do not check the DO NOT SHOW THIS AGAIN check mark. You want IE to ask for this every time with the NetScaler GUI. You should only need to do this once per session, unless it needs a different applet.
- 14. Click RUN
- 15. The applet will download this may take up to 2 minutes.



16. Once download, the applet will run. You'll see progress in the lower right hand corner of the screen as the applet loads.



17. Once all of the items have finished, your screen will open.