Dell SonicWall MFA protection with SMS PASSCODE

Contents

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This guide will outline how to make a SonicWall work with CensorNet MFA.

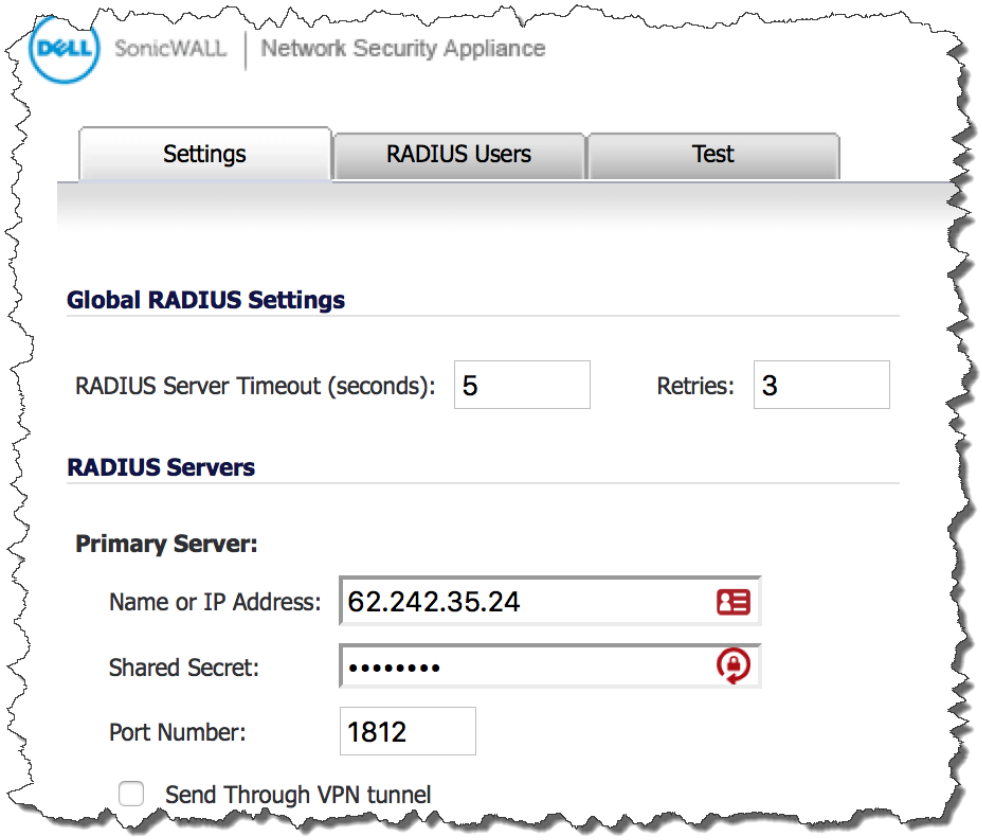
Configure the Radius server (NPS) according to the SMS PASSCODE Administrators guide.

Notice:
When SMS PASSCODE has to Work with Radius challenge response with Sonicwall, it is important that the OS is NOT 6.2.5.1 or 6.2.5.2. There are bugs in these versions. These bugs have been fixed in OS version 6.2.5.3

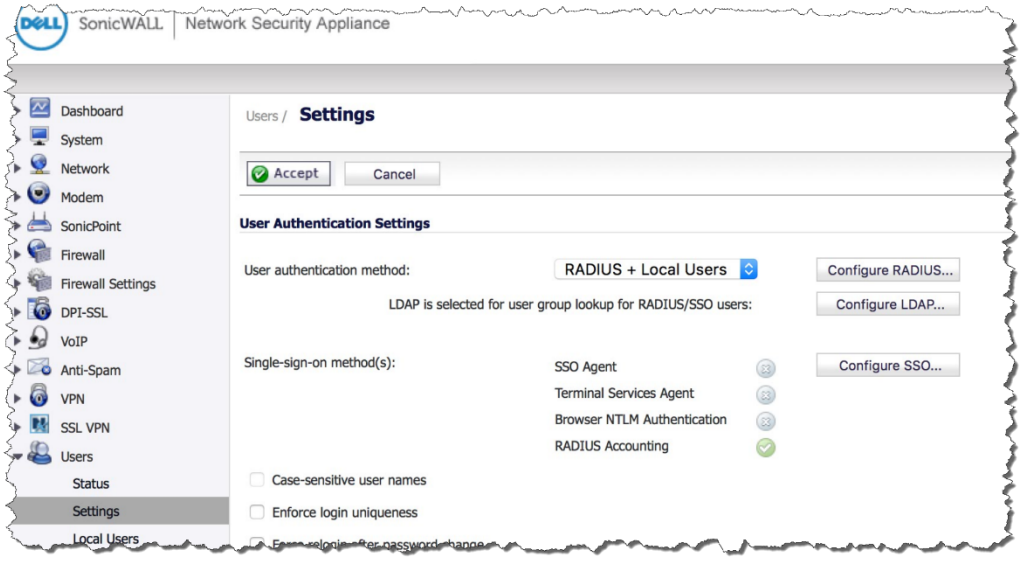
The bug fixes only Works with the following clients:
1. SonicWALL Mobile Connect App (for iOS and Android)
2. SonicWALL Mobile Connect App (for Windows 10)
3. SonicWALL NetExtender version 8.6.257 (on Windows 7 and 10)

Please make sure that your SonicWall TZ/NSA/RSA is running with the newest general deployment (GD). This will benefit you with the newest version of the NetExtender client.

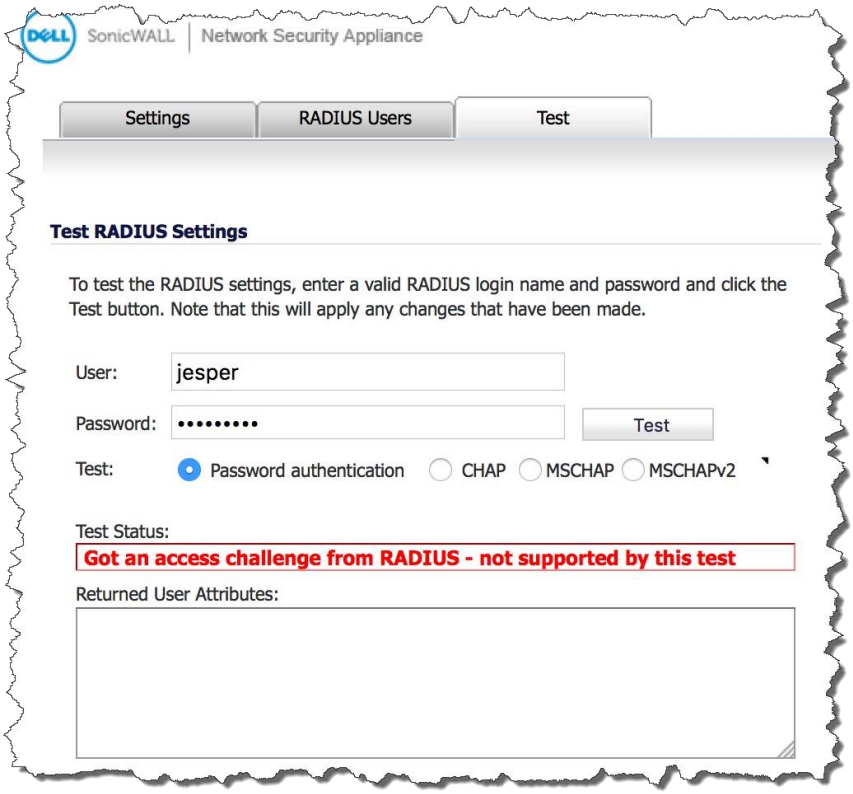
Configure your SonicWall for SSL-VPN clients, in a normal fashion. If in doubt, please consult the manual.



Configure user login to Radius+Local users. This will also make the local users (configured in the SonicWall) able to logon.

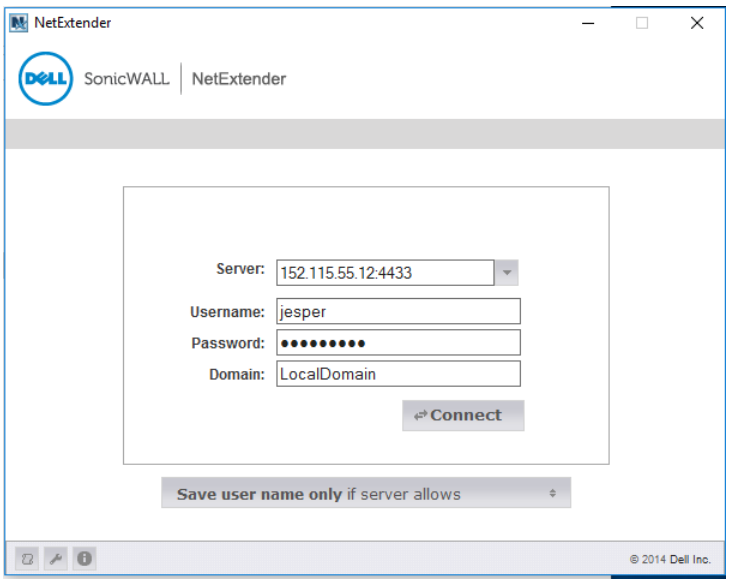


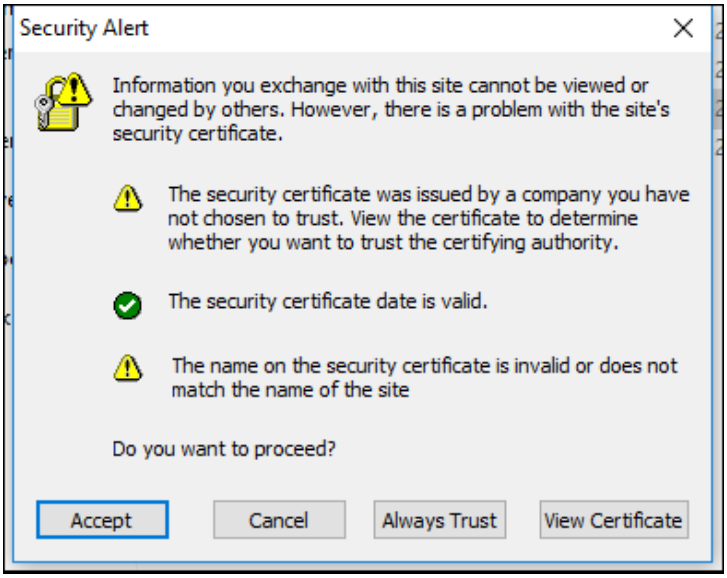
Please test your login. If you use the built in test in the SonicWall, you will get error messages, as it does not support Radius Challenge Response.



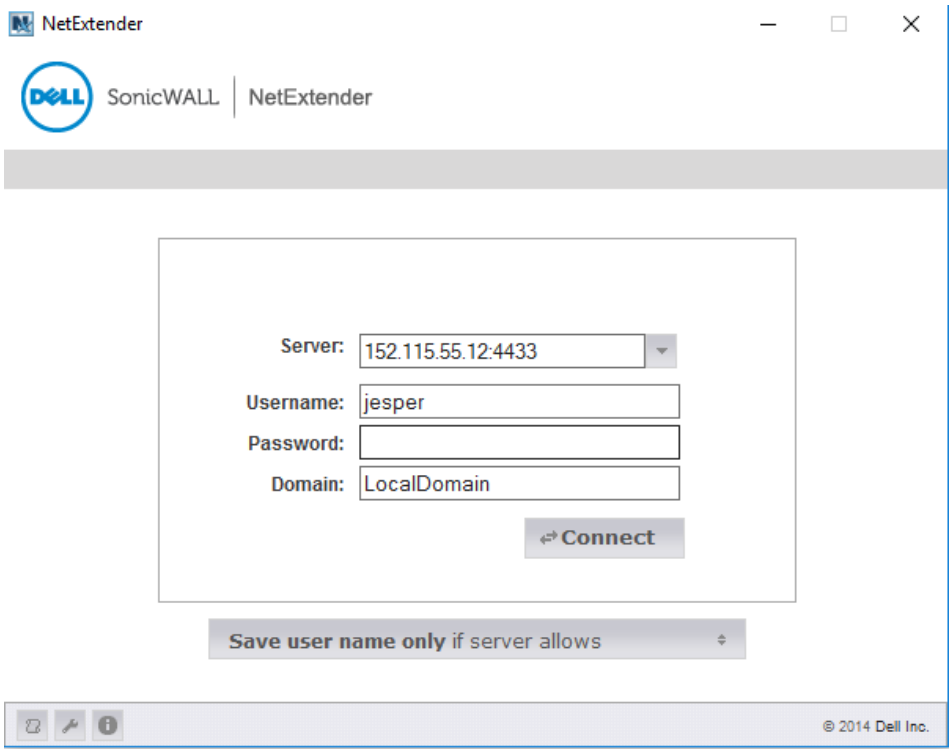
NetExtender

Please find a computer with Windows 7 or 10. Download and install the Client for SonicWall NetExtender.

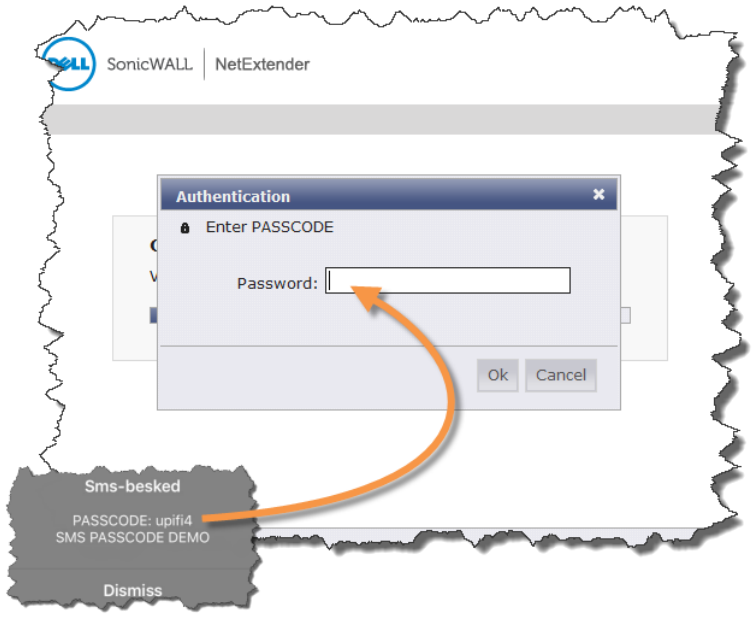




Start the NetExtender client and configure with the SonicWall public IP and TCP port.



Please enter the username, password and domain and please click "Connect". This will prompt you for your One Time Passcode. This connects your computer. You will get a status window and the ability to disconnect again.



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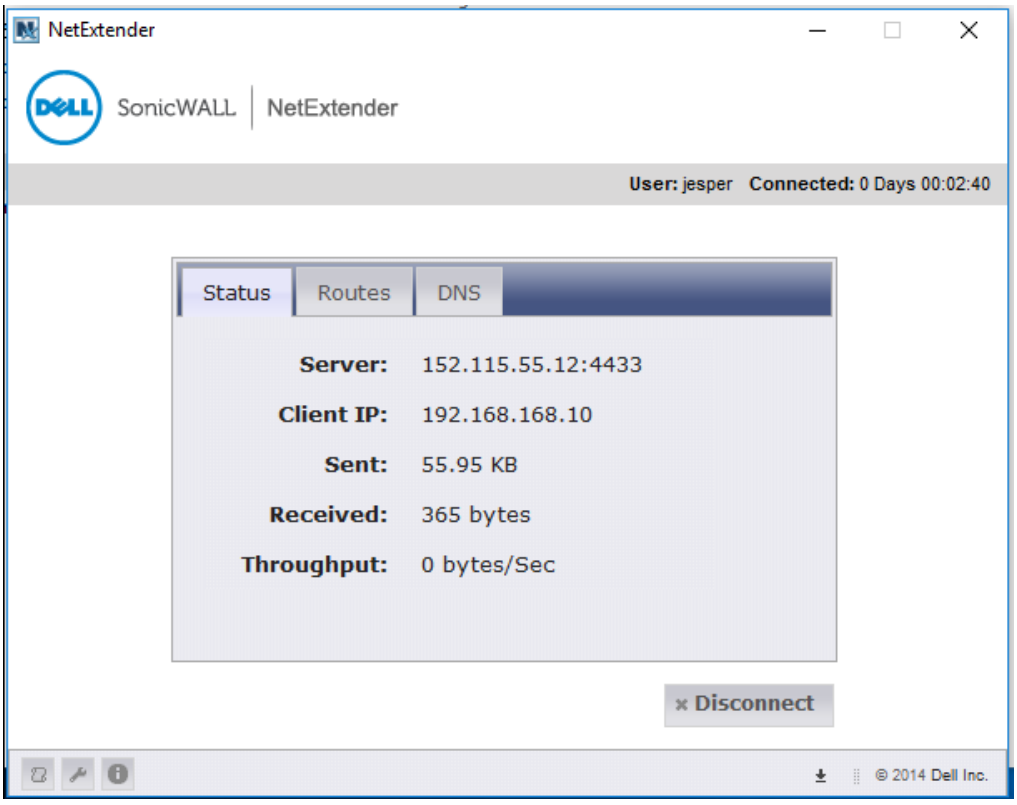
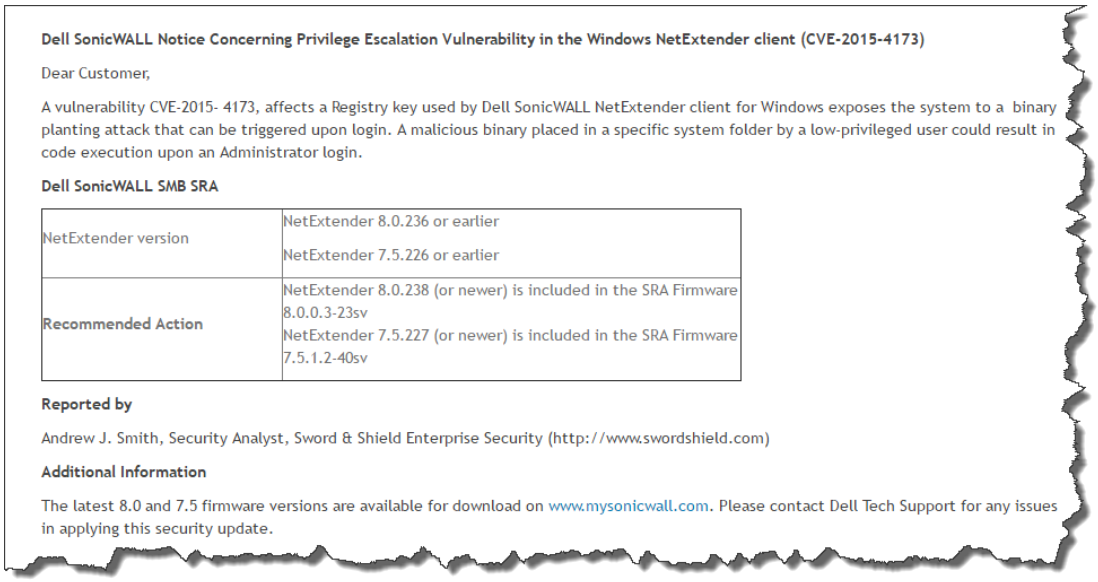

NetExtender
SonicWALL | NetExtender
User: jesper Connected: 0 Days 00:02:40
Status
Routes
DNS
Server: 152.115.55.12:4433
Client IP: 192.168.168.10
Sent: 55.95 KB
Received: 365 bytes
Throughput: 0 bytes/Sec
Disconnect
© 2014 Dell Inc.

The State Attribute

At every CENSORNET MFA protected Radius server, please add this registry key as DWORD: HKLM\SOFTWARE\SMS PASSCODE\Radius\Connection Request Policies \StateAttributeMaxLength and give it the value 30 (decimal) or 1e (HEX). For each listed connection request policy used by SonicWall, place the registry here as well. In example HKLM\SOFTWARE\SMS PASSCODE\Radius\ Connection Request Policies \SonicWall\StateAttributeMaxLength

Please make sure that you got the latest NetExtender Client.



Dell SonicWALL Notice Concerning Privilege Escalation Vulnerability in the Windows NetExtender client (CVE-2015-4173)

Dear Customer,

A vulnerability CVE-2015- 4173, affects a Registry key used by Dell SonicWALL NetExtender client for Windows exposes the system to a binary planting attack that can be triggered upon login. A malicious binary placed in a specific system folder by a low-privileged user could result in code execution upon an Administrator login.

Dell SonicWALL SMB SRA

NetExtender version	NetExtender 8.0.236 or earlier NetExtender 7.5.226 or earlier
Recommended Action	NetExtender 8.0.238 (or newer) is included in the SRA Firmware 8.0.0.3-23sv NetExtender 7.5.227 (or newer) is included in the SRA Firmware 7.5.1.2-40sv

Reported by

Andrew J. Smith, Security Analyst, Sword & Shield Enterprise Security (http://www.swordshield.com)

Additional Information

The latest 8.0 and 7.5 firmware versions are available for download on www.mysonicwall.com. Please contact Dell Tech Support for any issues in applying this security update.