



Stoneware™

Microsoft RDP Client/SSL VPN

Stoneware, Inc.

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Abstract

This document will describe how to create a SSL VPN connection between the Microsoft RDP client and a Microsoft Terminal Server or Remote Desktop.

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Introduction

This document will describe how to create a SSL VPN connection between the Microsoft RDP client and a Microsoft Terminal Server or Remote Desktop.

Objectives

- Create a secure SSL connection between Microsoft's RDP client and a remote desktop or Terminal Server.
- Secure all communications between client and server over SSL.

Requirements

- webNetwork 4.0e and above
- Microsoft Terminal Server 2000/2003 or XP Professional

Steps

1. Login to the webNetwork as a webNetwork administrator
2. Open webAdmin located under the Admin Programs menu
3. Browse and expand the container that holds the webNetwork objects
4. Create a new HOST object
 - a. Select CREATE A NEW OBJECT dropdown from the left frame of webAdmin
 - b. Select a HOST object
 - c. Select the NEXT button
 - d. Enter the object name for the HOST (i.e. - TS1)

- e. Select the NEXT button
 - f. Select the CLOSE button
5. Enter the HOST PROPERTIES information
- a. Host Address – internal IP address or DNS name of the Terminal Server (i.e. – 10.1.1.34)
 - b. Host Port – default port number for the Terminal Server (i.e. – 3389)
 - i. Select the MODIFY button
 - ii. Enter the port number of 3389 in the text box
 - iii. Select the ADD button
 - iv. Select the OK button
6. Select the SAVE button to update the HOST object
7. Create a new Web Application object
- a. Select CREATE A NEW OBJECT dropdown from the left frame of webAdmin
 - b. Select a WEB APPLICATION object
 - c. Select the NEXT button
 - d. Enter the object name for the Web Application (i.e. – TS1 Remote)
 - e. Select the NEXT button
 - f. Select the CLOSE button
8. Enter the PROPERTIES of the RDP Client web application
- a. Web Application Type – SSL VPN
 - b. Client Port – enter 3390
 - i. This will open a connection from the RDP client to the SSL VPN client on the specified port. *The port is set to 3390 incase the local machine is also running a terminal service.*
 - c. Assigned Hosts – Select the ADD button and locate the TS1 Host object.

- d. Assigned Relays – Select the ADD button and locate the webNetwork Relay(s) that will provide access to the Terminal service.
 - e. Startup URL – leave the default setting. Will automatically start the SSL VPN Java client.
9. Select the NEXT button to continue
10. Modify the OPTIONS page to add a shortcut to start the Microsoft RDP client
- a. Enter **mstsc.exe /v:127.0.0.2:3390**
 - i. "mstsc.exe" points to the local executable
 - ii. "/v:127.0.0.2" will tell the RDP client to communicate with the Terminal Server or Remote Desktop on the local address
 - iii. ":3390" will tell the RDP client that it should communicate with the local machine on port 3390 to send all traffic to the Terminal Server. The SSL VPN client will direct all local 3390 traffic through the SSL connection to the backend Terminal Server or Remote Desktop.
11. Select the NEXT button to continue
12. Enter the ACCESS CONTROL information. This will create a link to the Microsoft RDP client through Stoneware's webNetwork.
- a. Enter a LINK name – i.e. Remote Desktop TS1
 - b. Press the SELECT button in the LINK MENU section to browse and locate a menu where the link should be created.
 - c. Press the SELECT button in the ASSIGNED USERS section to browse and locate users that should have access to the Remote Desktop or Terminal Server via the RDP client.
 - d. Select the SAVE button to update the link information.
13. WAIT for the new web application to load (approx 1 min).
14. Test the new SSL VPN link to the Terminal Server
- a. Login as a user that has access to the Remote Desktop/ Terminal Server link
 - b. Select the link object

- c. Verify that the tunnel connection is established (SSL VPN box will appear) and the RDP client is started.
- d. Login to the Terminal Server or Remote Desktop

Enable Printer and Drive Redirection

* This option will require the Terminal Server to be 2003 or XP Professional

1. Open the Microsoft RDP Client
2. Select the OPTIONS tab
3. Select the LOCAL RESOURCES tab
4. Check DISK DRIVES and/or PRINTERS