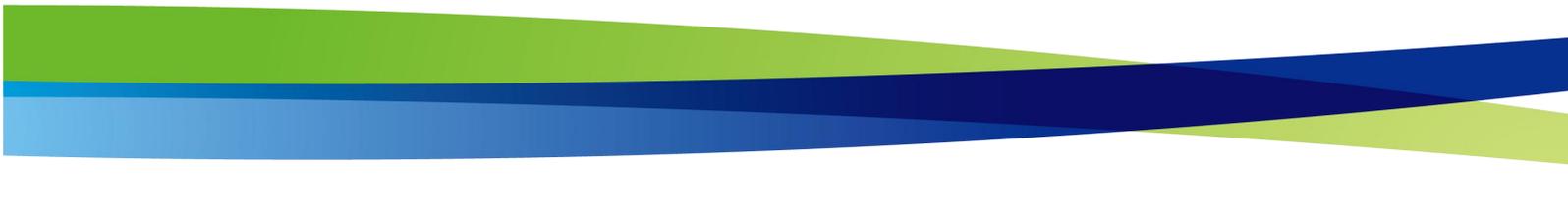**SANGFOR**

SANGFOR WANO
RDP Acceleration
Guide

SANGFOR Technologies Co., Ltd.

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Background

While encryption level used for RDP connections is negotiated to meet the minimum required level configured on both the client and server, you can adjust the setting by configuring the server. As encrypted connections do not lend themselves to optimization, the best optimization performance obtainable is with the Low Encryption setting. In this mode, RC4 56-bit encryption is applied to traffic from the client to the server but data from the server to client is unencrypted.

The settings described in this article may be overridden by security policies applied to meet system-wide compliance requirements.

Note: Unencrypted RDP sessions can present a security risk where sensitive information can be exposed. Check with your company's security policy before making changes.

Solution:

To change the encryption level in Windows 2008:

1. Start the Server Manager.
2. Go to Roles > Remote Desktop Services > RD Session Host Configuration.
3. In the center pane, right click the RDP-TCP Connection and click Properties.
4. Click the General tab.
5. Change the Security Layer to RDP Security Layer.
6. Change the Encryption Level to Low.

To change the encryption level in Windows 2003:

1. Click Start > All Programs > Administrative Tools and click Terminal Services Configuration (tscc.mmc).
2. In the left pane, click Connections.
3. In the right pane, right-click RDP-TCP and click Properties.
4. Click the General tab.
5. Change the Security layer to RDP Security Layer.
6. Change the Encryption level to Low.

To change the encryption level in Windows XP:

follow the steps in the Microsoft KB article http://support.microsoft.com/KB/956072

Remember to make a backup copy of the registry before applying any changes.

1. Click Start, click Run, type regedit, and click OK.

2. In Registry Editor, locate and click the following registry subkey:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\TerminalServer\WinStations\RDP-Tc

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3. In the right-pane, double-click MinEncryptionLevel.

4. In the Value data field, type 1 and click OK.
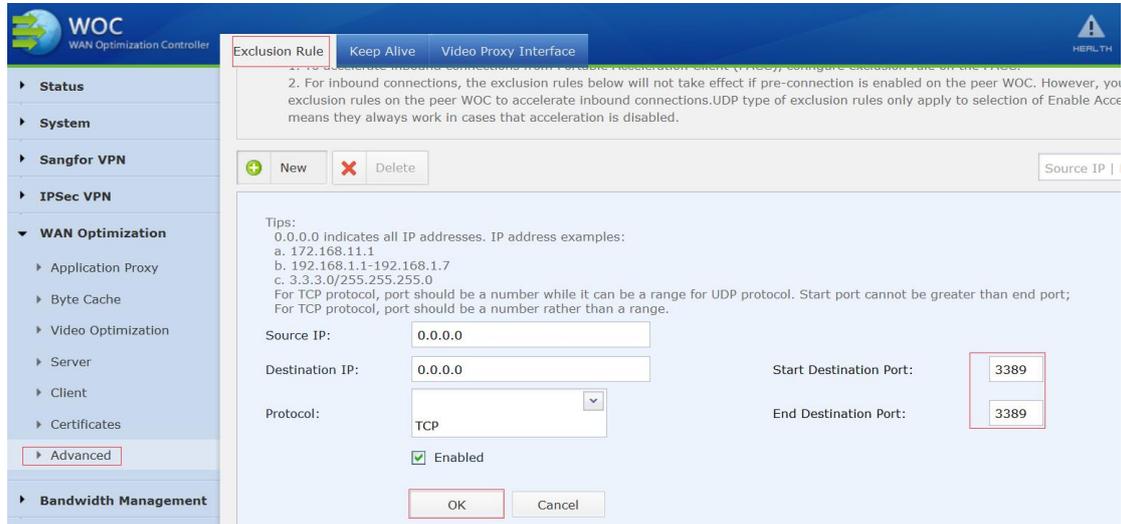
5. Exit Registry Editor.

For More Information

See the Microsoft documentation for more detailed information.

Troubleshooting:

POC test level: low, don't suggest test.

In some unknown environment, RDP may disconnect after RDP traffic access acceleration tunnel.

If this issue happen, we suggest exclude RDP acceleration.