CC2000 Hyper-V Setup

With FreeRDP

Introduction

ATEN's CC2000 Management Software provides IT administrators with the tools they need to access and control their entire distributed data center environment. Offering convenient, economical, centralized management of all their IT devices, CC2000 puts administrators in complete control of their remote data centers and branch offices no matter where in the world they are deployed.

With the inclusion of FreeRDP, CC2000 now allows even greater freedom when creating and running virtual machines through Hyper-V.

System Requirements

To access Hyper-V servers through CC2000 using FreeRDP, please ensure you have the following:

- Firmware:
    - Software version 2.6.254
    - Patch version 26254002
- Client Operating System:
    - Windows 7 (version 6.1)
    - Windows 8 (version 6.2)
    - Windows 8.1 (version 6.3)
- Hyper-V Server:
    - Windows Server 2008 R2 (version 6.1)
    - Windows Server 2012 (version 6.2)
    - Windows Server 2012 R2 (version 6.3)
    - Windows 8.1 (version 6.3)
    - Hyper-V Server 2012
    - Windows Storage Server 2012

Compatibility

To confirm setup compatibility, please refer to the sections below:

◆ Client compatibility

Windows OS	Console Path	Hyper-V Server
7	Program Files\Hyper-V\vmconnect.exe	Server 2008 R2
Server 2008 R2		Server 2012
8	Program Files\system32\vmconnect.exe	Server 2012
Server 2012		Server 2012 R2
8.1	Program Files\Hyper-V\6.2\vmconnect6.2.exe	Server 2012
Server 2012 R2	Program Files\system32\vmconnect.exe	Server 2012 R2 / 8.1

◆ Browser compatibility

Client Windows			Hyper-V Virtual Machines				
OS / Browser	IE	Java	Windows 2008 R2	Windows 2012	Windows 2012 R2	Win 2016 R2	Win 8.1
Win7 IE 8	x32	x64	Pass	Pass	Pass (F)	~	Pass (F)
	x32	Auto	Pass	Pass	Pass (F)	~	Pass (F)
	x64	x64	Pass	Pass	Pass (F)	Fail*	Pass (F)
	x64	Auto	~				
Win 2008 R2 IE 8	x32	x32	Pass	Pass	Pass (F)	~	Pass (F)
	x32	Auto	Pass	Pass	Pass (F)	~	Pass (F)
	x64	x32	~	~	~	Fail*	~
	x64	Auto	~	~	~	Fail*	~
Win 8 IE10	x32	x32	Pass (F)	Pass	Pass	~	Pass
	x32	Auto	Pass (F)	Pass	Pass	~	Pass
	x64	x32	Pass (F)	Pass	Pass	Pass	Pass
	x64	Auto	Pass (F)	Pass	Pass	Pass	Pass
Win 2012 IE10	x32	x64	Pass (F)	Pass	Pass	~	Pass
	x32	Auto	Pass (F)	Pass	Pass	~	Pass
	x64	x64	Pass (F)	Pass	Pass	~	Pass
	x64	Auto	Pass (F)	Pass	Pass	~	Pass

Client Windows			Hyper-V Virtual Machines				
Win 8.1 IE 11	x32	x64	Pass (F)	~	Pass	~	Pass
	x32	Auto	Pass (F)	Pass	Pass	~	Pass
	x64	x64	Pass (F)	~	Pass	Pass	Pass
	x64	Auto	Pass (F)	Pass	Pass	Pass	Pass
Win 2012 R2 IE 11	x32	x64	Pass (F)	~	Pass	~	Pass
	x32	Auto	Pass (F)	Pass	Pass	~	Pass
	x64	x64	Pass (F)	~	Pass	Pass	Pass
	x64	Auto	Pass (F)	Pass	Pass	Pass	Pass
Win 2016 R2 IE 11	x64	x64	~	~	~	Pass	~

*The remote console will not work with Win7/Win2008 and Hyper-V in Windows 2016 due to a Windows OS limitation.

Key	
Auto	The Java OCX version of the launcher will be automatically chosen.
F	FreeRDP must be executed to open the viewer.
X	Not supported
~	Support in development

◆ Remote console compatibility

  ◆ FreeRDP

> **Note:** FreeRDP will automatically be chosen over VMConnect if the client OS is not compatible. Furthermore, due to FreeRDP limitations, mouse functionality when connecting from Windows 8 / 2012 (and above) to Windows 2008 R2 is not supported.

Configuration

Before connecting to a Hyper-V server from CC2000 via FreeRDP, you need to follow these 3 steps:

1. **Configure the server**

   1. Ensure you have the login details for an administrative user with access to remote management

   2. Hyper-V features need to be installed and enabled

   3. Run the appropriate configuration tool based on your OS as an administrator

   4. Input the username of an account with administrative rights when prompted to

2. **Configure the client PC**

   1. ATEN's client configuration tool can be found in the CC2000 install package, downloaded to a local machine from the CC2000 server while logging into CC2000 or downloaded from the ATEN website\
      - **Windows Server 2008 R2**: Utility-For-HyperV-Server-Configuration_DotNet35.exe
      - **Windows 7/8/8.1/2012 R2**: Utility-For-HyperV-Server-Configuration_DotNet40-V1.0.074.exe

   2. Run the configuration tool
      - This tool will automatically be executed if the client machine is not correctly configured.

   3. It will then check and prompt you if a Hyper-V feature is not installed
      - Please note that the tool will not Automatically install missing Hyper-V software
      - Users should download any missing feature packages and install them manually

3. **Accessing Hyper-V Servers**

   1. Log into CC2000

   2. Browse to the listing of the Hyper-V server

   3. Under Operation, select RDP