CYBER HAWK by RapidFireTools[®]

INSTALLATION GUIDE

Virtual Appliance for Cyber Hawk

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Purpose of this Guide

This guide is intended for users of the RapidFire Tools Software Appliance for Cyber Hawk. The appliance must be installed within a Microsoft Hyper-V or VMware environment to operate one or more of the Software Appliances.

The instructions here will guide you through the installation process for both $\underline{\text{Hyper-V}}$ and $\underline{\text{VMware}}$.

Additional guides are available for Cyber Hawk. This guide is designed to be used in conjunction with other supplementary guides available at <u>www.rapidfiretools.com/nd</u>.

RapidFire Tools Server vs. Virtual Appliance

Cyber Hawk requires that you install either the A) **RapidFire Tools Server** or B) **Virtual Appliance** on the target network to be assessed. This guide covers how to install the **Virtual Appliance**.

- The RapidFire Tools Server is a Windows service installed on a PC on the target network. It is quick and simple to install, *but it cannot perform an internal vulnerability scan* on the target network. Nonetheless, the RapidFire Tools Server can still identify a great number of security issues within the assessment environment.
- The RapidFire Tools **Virtual Appliance** is a virtual machine that must be installed on a PC on the target network using Hyper-V or VMWare. It takes slightly more time to install, but it can perform an internal vulnerability scan on the target network.

Tip: In general, we recommend deploying the **RapidFire Tools Server** for its ease of use. However, if you require an *Internal Vulnerability Scan* of the target network, you should use the Virtual Appliance. Refer to the table below for a quick breakdown of the RapidFire Tools Server's pros and cons (as compared to the Virtual Appliance).

Features	RapidFire Tools Server	Virtual Appliance
Easier/faster to install	\checkmark	-
Less configuration to collect consistent scan data	\checkmark	-

RapidFireTools^{*}

Virtual Appliance for Cyber Hawk — Installation Guide

Features	RapidFire Tools Server	Virtual Appliance
Lower system requirements	\checkmark	-
Requires scan hosts on the target network	-	\checkmark
Can perform internal vulnerability scan	-	\checkmark

Virtual Appliance System Requirements

The following is a list of computer and software system requirements that are necessary to INSTALL the **Virtual Appliance**:

Hyper-V Installation System Requirements

1. Microsoft Hyper-V Enabled Server or Workstation Requirements:

a. Microsoft Hyper-V enabled Windows Server 2012 or higher server operating system

OR

b. Microsoft Hyper-V enabled Windows 10 Pro or higher server operating system

Note: Hyper-V Management Tools must be included when installing Hyper-V using the Windows Programs and Features option, or via the PowerShell on a Hyper-V Server Core installation.

- 2. **Recommended Virtual Memory Availability Requirement:** 8 GB of free and available Virtual Memory in the Hyper-V environment*
- 3. Recommended Disk Space Requirement: 20 GB of free disk space
- 4. Recommended Processor for Dedicated and Non-Dedicated Systems Hyper-V Installations
 - a. Dedicated Microsoft Hyper-V System to run the Virtual Appliance

Recommendation: Intel i5 or faster processor for dedicated deployments

b. Non-Dedicated Microsoft Hyper-V System used to run other guest instances and run the Virtual Appliance

Recommendation: Intel Xeon class server processors capable for hosts running multiple instances

Note: These memory requirements are over and above the host machine's current memory requirements for Windows, Hyper-V, and any other application memory requirements that must be met by the host machine.

5. Access to the Internet.

VMware System Requirements

VMware Version: ESXi 5.5 or higher

Virtual Machine Memory: 8 GB available

Virtual Disk Size: 20 GB

Additional requirements include: PowerCLI 6.3 and access to the Internet.

In order to be able to use the Virtual Appliance, the appliance must be licensed from RapidFire Tools for installation and use.

RapidFire Tools Server and Virtual Appliance Firewall Requirements

MSP Partners and end customers using RapidFire Tools appliances (Server or Virtual Appliance) should configure the firewall rules on their networks to enable access to the following RapidFire Tools URLs. This list applies to all Servers and Virtual Appliances (Audit Guru, Cyber Hawk, Reporter, and Inspector).

- gatekeeper.rapidfiretools.com
- go.rapidfiretools.com
- au.rapidfiretools.com
- go-eu.rapidfiretools.com
- go-au.rapidfiretools.com
- wcflb.rapidfiretools.com
- wcflb-eu.rapidfiretools.com
- wcflb-au.rapidfiretools.com
- · api.ndglue.com
- networkdetective.s3.amazonaws.com
- download.rapidfiretools.com

The RapidFire Tools Server requires access to port 443.

The Virtual Appliance requires access to the Greenbone Community Feed at feed.community.greenbone.net using **port 873**.

Cyber Hawk Installation Procedure for Hyper-V

To perform the installation of the **Virtual Appliance for Hyper-V**, follow the instructions below.

Step 1 — Download and Run the Virtual Appliance Installer

The **Installer** file is a self-extracting ZIP file that is used to initiate the installation of the **Virtual Appliance** on the host system. To begin the installation procedure:

 Download and run the Cyber Hawk Virtual Appliance Installer file at <u>https://www.rapidfiretools.com/nd</u>. The Installer file is named RapidFireToolsApplianceSetup.exe.

Important: Be sure to download the "Virtual Appliance Installer", and NOT the RapidFire Tools Server installer.

2. After downloading the installer, right click on **RapidFireToolsApplianceSetup.exe** and click **Run as Administrator**.



3. Use the Unzip option to unzip the files into a folder location of your choice and start

the installation program.



Important: You must have Administrator privileges and access rights in order to complete the installation process successfully.

Step 2 — Select Target

1. Select the **Microsoft Hyper-V** option to install on a Hyper-V enabled system.



2. Click Next.

Step 3 — Verify that Installation Requirements are Met

In this step, the installer checks to see if the host system meets the system requirements. These requirements include:

- Hyper-V enablement status
- minimum memory requirements necessary for installation
- amount of available disk space

Network Detective Virtual Appliance In	astaller		-	_		×
✓Install Target	Checking Minimu	m Insta	allation Requirements for Hyper-V			
✓ Requirements (Hyper-V)	Internet Access:	<	Requires access to the internet.			
Network Detective Credentials	Hardware Platform:	1	Requires installation on physical hardware.			
Appliance ID	Hyper-V PS Module:	5	Requires Pyper-V Module for Windows Powershell feature insta Requires Hyper-V Module for Windows Powershell feature insta Requires Powershell allow execution policy of Lipsetticted	alled.		
Download VMs	Memory:	2	Requires a minimum of 2 GB of allocable RAM for Virtual Mach	ines.		
	Disk:	1	Requires a minimum of 10 GB disk space.			
Install Folder						
Virtual Switches	Recheck Requireme	nts				_
Network Settings	CPU Requirements We recommend the h	s ost syste	m have an i5 or faster processor for dedicated deployments and Xe	eon ser	ver class	i
Verify Settings	processors or better to	or nosts n	unning multiple guest instances.			
Install						
			< Back Next >		Cancel	

If a particular requirement is not met, the installer will present an error status:

Retwork Detective Virtual Appliance	e Installer		-		×
✓ Install Target	Checking Minimu	m Inst	allation Requirements for Hyper-V		
Requirements (Hyper-V)	Internet Access:	1	Requires access to the internet.		
Network Detective Credentials	Hardware Platform: Hyper-V Enabled:	1	Requires installation on physical hardware. Requires Hyper-V Platform feature installed and enabled.		
Appliance ID	Hyper-V PS Module:	1	Requires Hyper-V Module for Windows Powershell feature installed. Requires Powershell allow execution policy of Unrestricted		
Download VMs	Memory:	~	Requires a minimum of 2 GB of allocable RAM for Virtual Machines.		
Install Folder	Disk:	î.	Requires a minimum of 10 GB disk space.		
Virtual Switches	Recheck Requireme	nts			
Network Settings	CPU Requirement We recommend the h	s ost syste	m have an i5 or faster processor for dedicated deployments and Xeon se	rver clas	5
Verify Settings	processors or better fo	or hosts i	unning multiple guest instances.		
Install					
				_	_
			< Back Next >	Cancel	

When all requirements are checked successfully, click Next.

Overriding Disk Space Requirements

If the installer detects that there is not enough disk space to meet the minimum installation requirements, a red X will appear next to the disk space requirement.

The Installer will present an option for you "**override**" the disk space requirement. Click I **already have the Virtual Hard Drives downloaded on this machine** to override the requirement.

	Chocking Minimu	m Instal	-		^
✓ Install Larget		minstal	auon Requirements for Hyper-v		
 Requirements (Hyper-V) 	Internet Access:	1	Requires access to the internet.		
	Hardware Platform:	1	Requires installation on physical hardware.		
Network Detective Credentials	Hyper-V Enabled:	~	Requires Hyper-V Platform feature installed and enabled.		
Appliance ID	Hyper-V PS Module:	~	Requires Hyper-V Module for Windows Powershell feature installed.		
Appliance to	Execution Policy:	~	Requires Powershell allow execution policy of Unrestricted.		
Download VMs	Memory:	1	Requires a minimum of 2 GB of allocable RAM for Virtual Machines.		
Install Folder	Disk:	Override	Requires a minimum of 10 GB disk space I already have the Virtual Hard Drive downloaded on this machine.		
Virtual Switches	Recheck Requireme	nts			
Network Settings	CPU Requirement We recommend the h	s ost system	have an 15 or faster processor for dedicated deployments and Xeon se	rver class	5
Verify Settings	processors or better to	or hosts run	ning multiple guest instances.		_
Install					
			< Back Next >	Cancel	

Alternatively, if you choose to free up some disk space, click **Recheck Requirements** to attempt to continue the installation process.

internet Access:	1	Requires access to the internet.
Hardware Platform:	1	Requires installation on physical hardware.
Hyper-V Enabled:	1	Requires Hyper-V Platform feature installed and enabled.
Hyper-V PS Module:	1	Requires Hyper-V Module for Windows Powershell feature installed.
Execution Policy:	1	Requires Powershell allow execution policy of Unrestricted.
Memory:	1	Requires a minimum of 2 GB of allocable RAM for Virtual Machines.
Disk:	×	Requires a minimum of 10 GB disk space.
Recheck Requirement	<u>nts</u>	
CPU Reguinemente		

Once the system has been configured to meet the disk space requirement, or the disk space requirement has been overridden, click **Next**.

Step 4 — Enter the Network Detective Account Credentials

In this step, enter your Network Detective account credentials in order to retrieve the list of Appliance IDs available for your account. To do this:

- 1. Enter valid Network Detective account login credentials.
- 2. Click Next.

Sinspector 2 Installer - v2021.02.02.0	1		_		×
✓Install Target	Network I	Detective Credentials			_
✓Requirements (Hyper-V)	Log into your	Network Detective account to retrieve a list of available Appliance IDs.			
Network Detective Credentials	Usemame:	user@MyCo.com			
Appliance ID	Password:	•••••			
Download VMs					
Install Folder					
Virtual Switches					
Network Settings					
Verify Settings					
Install					
					_
		< Back 1	Vext >	Cancel	

Virtual Appliance ID Requirements

If during the login process you receive the "No available Appliance IDs are associated with this account" message, contact the Technical Support Team at RapidFire Tools to verify that at least one valid Virtual Appliance ID has been assigned to the user's Network Detective account.

Network Detective Virtual Appliance Ir	nstaller		_		×
✓Install Target	Network D	Detective Credentials			
✓Requirements (Hyper-V)	Log into your	Network Detective account to retrieve a list of available Appliance IDs.			
Network Detective Credentials	Usemame:	user@MyCo.com			
Appliance ID	Password:	Invalid login and password			
Download VMs					
Install Folder					
Virtual Switches					
Network Settings					
Verify Settings					
Install					
		< Back N	ext >	Cancel	

Step 5 — Select Appliance ID Screen

After the Network Detective login credentials have been authenticated, you must assign an available Appliance ID that has been allocated to the user's Network Detective account to the Virtual Appliance that is being installed.

The Appliance ID Window will display all of the Appliance IDs assigned to the user's account.

To the right of each Appliance ID value is a list of the Software Appliances (i.e. Cyber Hawk, Reporter, and/or Inspector) that are provisioned to operate with each Appliance ID.

Sinspector 2 Installer - v2021.02.02.0	1	-		×
✔Install Target	Appliance ID			
✓ Requirements (Hyper-V)	Select the Appliance ID you wish to associate with the Virtual Appliance. Ensure that the selected appliance is properly provisioned for the desired features.			
✓ Network Detective Credentials	Available Appliance IDs			
✓ Appliance ID	NDA1-24 (Oetector) NDA1-31 (Detector) NDA1-36 (Detector)			
Download VMs	NDA1-37 (Detector) NDA1-38 (Detector) NDA1-45 (Reporter)			
Install Folder	NDA1-47 (Detector) NDA1-52 (Detector) NDA1-54 (Detector)			
Virtual Switches	NDA1-69 (Detector) NDA1-79 (Detector) NDA1-83 (Detector)			
Network Settings	NDA1-96 (Detector) NDA1-94 (Reporter)			
Verify Settings				
Install				
	Enable automatic updates for the Vitual Appliance.			
	Update Ste: Production Beta Alpha			
	< Back	Next >	Cancel	

Select the Appliance ID that is to be assigned to the Virtual Appliance that is being installed.

Then, choose how to update the appliance. Select whether to update to the **Production**, **Beta**, or **Alpha** version when such updates become available.

Record the Appliance ID for the Virtual Appliance Installation

Upon selection of the Appliance ID, the Appliance ID should be recorded so that the user knows which Appliance ID has been associated with the Virtual Appliance's installation.

After selecting and recording the Appliance ID to be assigned to the Virtual Appliance installation, select the Next button to proceed to the next step of downloading the Virtual Machines that are required to complete the Virtual Appliance's installation.

Step 6 — Download VMs

In this step, download the VM image required to install the virtual appliance:

1. Click **Browse** and select a Download Folder for the VM image.

Note: If you have already downloaded the VM, select its folder.

Inspector 2 Installer - y2021 02 02 03	1	-		×
✓Install Taroet	Download VMs		0	~
✓ Requirements (Hyper-V)	Select the folder to download the VM images, if you have previously downloaded the			_
✓ Network Detective Credentials	Images, select the tolder where they reside. Press Next to begin the download (if needed). Permitiand Ender: Particular (Particular double)	Bross		
✓ Appliance ID		Biov	Yarc	
√ Download VMs	Install Package Status: The install image does not exist. Clicking Next will dow image.	nload ti	ne latest	
Install Folder				
Virtual Switches				
Network Settings				
Verify Settings				
Install				
	< Back Next	>	Cancel	

2. Click **Next** button to initiate the download process. A window will be displayed to present the progress of the VM download process. The Install Package Status bar will display the progress of the VM download.

Network Detective Virtual Appliance	Installer	- 0	l X
✓Install Target	Download VMs		
✓ Requirements (Hyper-V)	Select the folder to download the VM images. If you have previously downloaded the images, select the folder where they reside. Press Next to begin the download (if needed).		
✓ Network Detective Credentials	Download Folder: C:\Users\admin\Downloads\NDA\	Browse	
✓ Appliance ID			
🗸 Download VMs	Install Package Status: 284879373 of 1589437443 bytes transfered (17.9% comp	olete).	
Install Folder			
Virtual Switches]		
Network Settings]		
Verify Settings]		
Install]		
			_
	< Back Next :	Ca	ncel

Once the VM has been downloaded (or you select a folder with a previously downloaded VM), the **Install Package Status** will be updated.

Network Detective Virtual Appliance In	nstaller	-		×
✓ Install Target	Download VMs			
✓Requirements (Hyper-V)	Select the folder to download the VM images. If you have previously downloaded the images, select the folder where they reside. Press Next to begin the download (if needed).			
✓ Network Detective Credentials	Download Folder: C:\Users\admin\Downloads\NDA\	Bro	wse	
✓ Appliance ID				
✓ Download VMs	Install Package Status: Downloaded			
Install Folder				
Virtual Switches				
Network Settings				
Verify Settings				
Install				
	< Back Nex	t >	Cancel	

3. Once the VMs have been downloaded or made available for installation, click Next.

Step 7 — Select Folder to Install Virtual Appliance

1. Click **Browse** and select an install folder for the appliance program files.

Note: The default installation folder is the system's Hyper-V location folder.

Retwork Detective Virtual Appliance	e Installer	-		X
✓ Install Target	Install Folder			
✓Requirements (Hyper-V)	Select the folder to install the Virtual Machines. This is the folder the virtual hard drives (.vhdx) will reside.			
✓ Network Detective Credentials	Install Folder: C:\ProgramData\Microsoft\Windows\HyperM	Br	owse	
✓ Appliance ID				
✓ Download VMs				
✓ Install Folder				
Virtual Switches				
Network Settings				
Verify Settings				
Install				
				_
	< Back N	lext >	Cance	1

2. Click **Next** to continue the installation process and configure the required Virtual Switches.

Step 8 — Configure Required Virtual Switches

Important: The appliance requires an **External Virtual Switch** to be configured within the Hyper-V instance. The switch is necessary for the appliance to be installed and function.

In this step, you can either:

- Use an existing external Virtual Switch
- Create a new Virtual Switch on an existing network interface

Using an Existing External Virtual Switch

1. Select the Use an existing external Virtual Switch option.

Network Detective Virtual Appliance I	nstaller	- 0	×
✓Install Target	Virtual Switches		
Requirements (Hyper-V)	External Virtual Switch		
✓ Network Detective Credentials	The External Virtual Switch is used and the Internet. Please select whi	by the Virtual Appliance to communicate with the corporate network ich Network Adapter the External Virtual Switch should use.	
✓ Appliance ID	Use an existing external Virtual	Switch	
✓ Download VMs	External Virtual Switches:	NDA-External-VS [Realtek PCIe GBE Family Controller]	\sim
lastall Folder	Create a new Virtual Switch on	an existing network interface	
Install Folder	* Only network interfaces t	hat are not currently configured in an existing Virtual Switch will be shown	
Virtual Switches	Network Interface:	Intel(R) Dual Band Wireless-AC 3165	\sim
Network Settings	Virtual Switch Name:	NDA-External-VS	
Verify Settings			
Install			
		< Back Next > Cano	el

- 2. Use the drop-down menu to select a switch from a list of those available on the Hyper-V system.
- 3. Click **Next** button to continue the installation process.

Creating and Selecting a new External Virtual Switch

If the system being used is a new Hyper-V system and no External Virtual Switches are set-up and available, or if you wish to create an External Virtual Switch to use with the appliance:

1. Select the **Create a new Virtual Switch on an existing Network Interface** option.

Stework Detective Virtual Appliance In	staller		-		×
✓Install Target	Virtual Switches				
✓ Requirements (Hyper-V)	External Virtual Switch				
✓Network Detective Credentials	The External Virtual Switch is used and the Internet. Please select whi	by the Virtual Appliance to communicate with the corpora ich Network Adapter the External Virtual Switch should u	ste netwo se.	rk	
✓ Appliance ID	O Use an existing external Virtual	Switch			
✓ Download VMs	External Virtual Switches:	- no available external virtual switches -			~
✓Install Folder	Create a new Virtual Switch on "Only network interfaces t	an existing network interface hat are not currently configured in an existing Virtual Swit	ch will be	shown.	
✓ Virtual Switches	Network Interface:	Intel(R) Ethernet Connection I217-LM			~
Network Settings	Virtual Switch Name:	NDA-External-VS			
Verify Settings					
Install					
		< Back Next	>	Cancel	1

2. Next, select the Network Interface.

Note: Do not use a Wireless NIC as the Network Interface for the External Virtual Switch.

- 3. Type in the name of the new External Virtual Switch.
- 4. Click Next.

Step 9 — Define Network Settings

In this step, the Appliance can use an IP Address assigned by DHCP or a static IP address that you define.

Network Settings using DHCP

To set up the Appliance to obtain an IP address and DNS server information automatically:

1. Select the "Obtain and IP address and DNS servers automatically (DHCP)" option.

Stework Detective Virtual Appliance	e installer			-		×
✓Install Target	Network Settings					
Requirements (Hyper-V)	Obtain an IP address and I	DNS servers automatically (DF	ICP)			
✓Network Detective Credentials	O Use the following network	setting (Static)				
✓ Appliance ID	IP Address: Subnet Mask:	255.255.255.0 - /24 (Class (
✓ Download VMs	Default Gateway:					
✓ Install Folder	Alternate DNS Server:	(0)	otional)			
✔ Virtual Switches	7					
Network Settings						
Verify Settings						
Install						
			< Back	Next >	Cance	

2. Click Next.

Network Settings using a Static IP Address

To define a static IP address for use by the Appliance:

- 1. Select the "Use the following network settings (Static)" option.
- 2. Next, define the IP Address, Subnet Mask, Default Gateway, Preferred DNS Server, and the Alternate DNS Server. The Alternate DNS Server setting is optional.

Se Network Detective Virtual Appliance	e Installer			-		×
✓ Install Target	Network Settings					
✓ Requirements (Hyper-V)	Obtain an IP address and I	DNS servers automatically (DHCP)				
✓ Network Detective Credentials	Use the following network :	setting (Static)				
✓ Appliance ID	IP Address:	192.168.1.101				
✓ Download VMs	Subnet Mask:	255.255.255.0 - /24 (Class C) ~				
✓ Install Folder	Default Gateway: Preferred DNS Server:	192.168.1.1				
✓Virtual Switches	Alternate DNS Server:	[192.168.1.11] (optional)				
Network Settings	1					
Verify Settings	1					
Install						
						_
			< Back N	ext >	Cance	

3. Click Next.

Step 10 — Proxy Settings

When installing any RapidFire Tools Virtual Appliance (Cyber Hawk, Inspector 2, Reporter, and Audit Guru), you can specify a proxy server.

Ins	taller - v2018.07.30.01			—		×
]	Proxy Settings					
1	A Proxy Server is Required to Acc	ess the Internet				
	Server:	Port:	80		*	
-	Usemame:	Password:				
				Test Proxy Se	ttings	
1						
$\left \right $						

You will need:

- Server name or IP address
- Port
- Username
- Password

Tip: Click **Test Proxy Settings** to be sure you can connect successfully.

Step 11 — Verify Settings Prior to Installation

Prior to completion of the installation process, the **Installer** will present the **Verify Settings** window.

Check, and, if necessary, modify the **Appliance ID**, **Install Folder**, the **Virtual Switches** configuration, and the **Virtual Hard Drive** locations.

Network Detective Virtual Appliance In	astaller				×
✓Install Target	Verify Settings				
✓ Requirements (Hyper-V)	Configuration				
✓ Network Detective Credentials	Appliance ID: Install Folder:	NDA1-69 (Detector) C:\ProgramData\Microsoft\Windows\Hyper-V			
✓ Appliance ID	Virtual Machine	_			
✓ Download VMs	Hard Drive: Switch:	C:\ProgramData\Microsoft\Windows\Hyper-V\NDA1-69vhdx NDA-External-VS [Intel(R) Ethernet Connection I2LM]			
✓Install Folder	Network Settings	(an DHCD)			
✓Virtual Switches	IF Address.	(use DHCF)			
✓ Network Settings					
✓ Verify Settings					
Install					
		< Back Ins	tall >	Cancel	_
					_

After verifying the settings are correct, click the **Install** button.

This action will start the Virtual Appliance's installation on the Hyper-V based system.

Step 12 — Monitor Installation Progress Status

In this step, the installer details the status of the tasks performed during the installation.

✓Install Target	Install	6	
✓ Requirements (Hyper-V)	Installing	g the Network Detective appliance. This process typically	takes between 10-20 minutes.
✓ Network Detective Credentials	Applian	ce ID: NDA1-69 (Detector)	Notae
<i></i>		Extract Virtual Machine	Completed
Appliance ID	16	Create External Virtual Switch	Creating external vitual switch
Download VMs		Create Virtual Machine	
	+	Configure Network Settings	
✓ Install Folder		Obtain IP Address	
Netwood Constantion		Check VM Configuration Status	
Vintual Switches		Configure Virtual Appliance Settings	
Network Settings		Appliance Services Running	
	$+$ \square	Update Virtual Appliance to Latest Version (via Internet)	
Verify Settings			View Install Lo
Install			
	-		
			< Back Finish Cancel

If any installation task fails to complete, you can read a description of the issue in the Notes column.

When a **Task** during the installation process fails to complete, the appliance installation process is terminated. Click **Retry Install Now** to attempt the installation again.

When the installation process is successfully completed, a confirmation window will appear.

✓ Install Target	Install		
✓ Requirements (Hyper-V)	Installin	g the Network Detective appliance. This process typically	takes between 10-20 minutes.
✓ Network Detective Credentials	Applian	ce ID: NDA1-69 (Detector)	Notes
		Task Extract Vistual Machine	Notes Completed
Appliance ID		Create Estemal Vistual Suitch	Completed
Developed VMa		Create Vitual Machine	Onerational
Download vivis		Configure Network Settings	DHCP enabled
✓ Install Folder		Obtain IP Address	
		Check VM Configuration Status	Ready to be configured.
Virtual Switches	V	Configure Virtual Appliance Settings	Completed
(New Jones		Appliance Services Running	Running
V Network Settings		Update Virtual Appliance to Latest Version (via Internet)	Completed
✓ Verify Settings			View Install Log
🗸 Install		Installation Complete	
		Congratulations! The Network Detective Appliance installed and is ready for use.	ce has been

Tip: After installing the appliance, be sure to double check that it meets the <u>Virtual</u> <u>Appliance Operational System Requirements</u>.

Note: During the user's Remote Access to the Hyper-V system used to perform the Virtual Appliance installation, the user may experience a temporary loss of Remote Access connectivity.

In cases, where the user that is remotely accessing the Hyper-V system in order to perform the installation of the Virtual Appliance, and the user creates a new External Virtual Switch for the Virtual Appliance's use, the established remote access network connection will be momentarily terminated by the Hyper-V system.

The remote access software used to access the system should issue one or more retries to re-establish the remote access connection to the Hyper-V system to enable the user to complete the Virtual Appliance installation process.

Step 13 — Confirm that Appliance Meets Operational Requirements

Once you install the appliance, be sure that it meets the Operational Requirements:

- 6 GB Available RAM
- 20 GB Hard Drive Space

Cyber Hawk Installation Procedure for VMware

To perform the installation of the **Virtual Appliance for VMware**, please follow the instructions below.

Step 1 — Download and Run the Virtual Appliance Installer

The **Installer** file is a self-extracting ZIP file that is used to initiate the installation of the **Virtual Appliance** on the host system. To begin the installation procedure:

 Download and run the Cyber Hawk Virtual Appliance Installer file at <u>https://www.rapidfiretools.com/nd</u>. The Installer file is named RapidFireToolsApplianceSetup.exe.

Important: Be sure to download the "Virtual Appliance Installer", and NOT the RapidFire Tools Server installer.

2. After downloading the installer, right click on **RapidFireToolsApplianceSetup.exe** and click **Run as Administrator**.



3. Use the Unzip option to unzip the files into a folder location of your choice and start

the installation program.



Important: You must have Administrator privileges and access rights in order to complete the installation process successfully.

Step 2 — Select Target

1. Select the VMware option to install on a VMware enabled system.



2. Select the **Next** button to proceed with the installation.

Step 3 — Verification that Installation Requirements are Met

In this step, the installer checks to see if the host system meets the system requirements. These requirements include:

- Internet access
- VMware vSphere PowerCLI 6.3 or higher installed

Network Detective Virtual Appliance Ir	nstaller - v2017.08.28.01			-		×
✔Install Target	Checking Minim	um Insta	allation Requirements for VMware			
✓ Requirements (VMware)	Internet Access:	×.	Requires access to the internet.			
Network Detective Credentials	PowerCLI 6.3:	1	Requires VMware vSphere PowerCLI 6.3 or higher installed.			
Appliance ID	Hocheck Requirem	-				
VMware Server						
VMware VM Settings						
VMware Network Settings						
Download VMs						
Network Settings						
Verify Settings						
Install						
						_
			< Back Next	>	Cancel	

When all requirements are checked successfully, click Next.

Step 4 — Enter the Network Detective Account Credentials

In this step, enter your Network Detective account credentials in order to retrieve the list of Appliance IDs available for your account. To do this:

- 1. Enter valid Network Detective account login credentials.
- 2. Click Next.

Retwork Detective Virtual Appliance Ir	staller - v2017.0	8.28.01	-		×
✔Install Target	Network I	Detective Credentials			
✓Requirements (VMware)	Log into your	Network Detective account to retrieve a list of available Appliance IDs.			
Network Detective Credentials	Usemame:	seniortech@yountcompany.com			
Appliance ID	Password:				
VMware Server					
VMware VM Settings					
VMware Network Settings					
Download VMs					
Network Settings					
Verify Settings					
Install					
					_
		< Back	Next >	Cancel	

Virtual Appliance ID Requirements

If during the login process you receive the "No available Appliance IDs are associated with this account" message, contact the Technical Support Team at RapidFire Tools to verify that at least one valid Virtual Appliance ID has been assigned to the user's Network Detective account.

Step 5 — Select Appliance ID Screen

After the Network Detective login credentials have been authenticated, you must assign an available Appliance ID that has been allocated to the user's Network Detective account to the Virtual Appliance that is being installed. The Appliance ID Window will display all of the Appliance IDs assigned to the user's account.

To the right of each Appliance ID value is a list of the Software Appliances (i.e. Cyber Hawk, Reporter, and/or Inspector) that are provisioned to operate with each Appliance ID.

Retwork Detective Virtual Appliance In	staller - v2017.08.28.01	-		×
✔Install Target	Appliance ID			
✓Requirements (VMware)	Select the Appliance ID you wish to associate with the Virtual Appliance. Ensure that the selected appliance is properly provisioned for the desired features.			
✓Network Detective Credentials	Available Appliance IDs			
✓ Appliance ID	NDA1: (Detector) NDA1: (Detector) NDA1: (Reporter)			
VMware Server				
VMware VM Settings				
VMware Network Settings				
Download VMs				
Network Settings				
Verify Settings				
Install	Enable automatic updates for the Virtual Appliance.			
	Update Site: Production Beta Alpha			
	< Back N	ext >	Cancel	

Select the Appliance ID that is to be assigned to the Virtual Appliance that is being installed.

Then, choose how to update the appliance. Select whether to update to the **Production**, **Beta**, or **Alpha** version when such updates become available.

Record the Appliance ID for the Virtual Appliance Installation

Upon selection of the Appliance ID, the Appliance ID should be recorded so that the user knows which Appliance ID has been associated with the Virtual Appliance's installation.

After selecting and recording the Appliance ID to be assigned to the Virtual Appliance installation, select the Next button to proceed to the next step of downloading the Virtual Machines that are required to complete the Virtual Appliance's installation.

Step 6 — Set VMware Server Credentials

In the VMware Server window, enter the VMware Server account IP Address/Name and login credentials used to access your VMware Server that will be used to operate the Virtual Appliance.

This should be the same information used in the VMware vSphere Client program used in your environment to access the **VMware Server**.

Network Detective Virtual Appliance In the second secon	nstaller - v2017.08.28.01		-		×
✓Install Target	VMware Serve	r			
✓Requirements (VMware)	Please enter the setti the same information	ng to connect to the remote VMware Server. This should be entered in the VMware vSphere Client program.			
✓ Network Detective Credentials	IP address / Name:				
✓ Appliance ID	User name:	root			
VMware Server	Password:	*******			
VMware VM Settings					
VMware Network Settings					
Download VMs					
Network Settings					
Verify Settings					
Install					
		< Back	Next >	Cancel	

Select the **Next** button to proceed with the installation.

Step 7 — Set VMware Server Settings

Select and enter in the VMware Server's **Datastore** and **Resource Pool** settings information in the fields presented in the VMware VM Settings window.

Structure Virtual Appliance	e Installer - v2017.08	.28.01	-		×
✓Install Target	VMware V	M Settings			
✓Requirements (VMware)	Datastore:	Satastore 1		~	
✓ Network Detective Credentials	Resource:	(DataCenter) (VMHost)			
✓ Appliance ID	1				
✓ VMware Server	7				
VMware VM Settings					
VMware Network Settings	1				
Download VMs]				
Network Settings]				
Verify Settings					
Install					
			_		_
		< Back Nex	d >	Cance	1

Select the **Next** button to proceed with the installation.

Step 8 — Set VMware Network Settings

Select the **External Port Group** that will be used by the **Virtual Appliance** to communicate with your network.

Note: If there are no existing switches or **External Port Groups** available, then use vSphere to create one, and select the Refresh link in the **VMware Network Settings** window to make the **External Port Group** you created available for selection.

Stream Network Detective Virtual Appliance In	nstaller - v2017.08.28.01		-		×
✓Install Target	VMware Network Se	ettings			
✓ Requirements (VMware)	External Port Group				
✓ Network Detective Credentials	The External Virtual Swit Please select which Net	tch is used by the Virtual Appliance to communicate with the corporate r work Adapter the External Virtual Switch should use.	network a	and the Inte	emet.
✓ Appliance ID	If there are no exisiting s update the dropdown list	witches or port groups, please use the vSphere client to create one. Us t.	e the Re	fresh butto	n to
✓VMware Server	External Port Groups:	VM Network	~	Refresh	
✓VMware VM Settings					
VMware Network Settings					
Download VMs					
Network Settings					
Verify Settings					
Install					
					_
		< Back Nex	t>	Cancel	

Select the **Next** button to proceed with the installation.

Step 9 — Initiate the Download VM Process

In this step of the **Virtual Appliance's** installation process, the window below will be displayed to indicate that the VM required to install the **Virtual Appliance** have not been downloaded at this point of the installation process.

Retwork Detective Virtual Appliance	Installer - v2017.08.28.01	-		×
✓Install Target	Download VMs			
✓Requirements (VMware)	Select the folder to download the VM images. If you have previously downloaded the images, select the folder where they reside. Press Next to begin the download (if needed).			
✓ Network Detective Credentials	Download Folder: CAUsers AppData\Local\Temp\	Browse		
✓ Appliance ID				
✓VMware Server	Install Package Status: The install image does not exist. Clicking Next will down image.	load the	latest	
✓VMware VM Settings]			
✓VMware Network Settings]			
✓ Download VMs]			
Network Settings]			
Verify Settings]			
Install]			
				_
	< Back Ne	ext >	Cance	4

To proceed with downloading the required VM, the user must select the folder that is to be used to store the VM that are about to be downloaded.

Then select the **Next** button to initiate the download process. A window will be displayed to present the progress of the VM download process.

Step 10 — View VM Download Progress and Install Package Status

During the VM download process, the Install Package Status bar will display the progress of the VM download.

Retwork Detective Virtual Appliance In	nstaller - v2017.08.28.01	-		×
✓Install Target	Download VMs			
✓Requirements (VMware)	Select the folder to download the VM images. If you have previously downloaded the images, select the folder where they reside. Press Next to begin the download (if needed).			
✓ Network Detective Credentials	Download Folder: C:\Usen\ \AppData\Loca\\Temp\	Browse		
✓Appliance ID				
✓VMware Server	Install Fackage Status. 2848/33/3 of 158343/443 bytes transfered (1/.3% con	ipiete).		
✓VMware VM Settings				
✓VMware Network Settings				
✓ Download VMs				
Network Settings				
Verify Settings				
Install				
				_
	< Back 1	Vext >	Cance	1

Once the VM have been downloaded, or when the user selects a folder where the VM bundle has already been downloaded, the **Install Package Status** in the **Download VM** window will be updated to indicate that the VM have been "downloaded" as displayed below.

Network Detective Virtual Appliance In	nstaller - v2017.08.28.01	-		×
✓Install Target	Download VMs			
✓Requirements (VMware)	Select the folder to download the VM images. If you have previously downloaded the images, select the folder where they reside. Press Next to begin the download (if needed).			
✓ Network Detective Credentials	Download Folder: C:\Users\ \AppData\Local\Temp\	Browse		
✓ Appliance ID				
✓VMware Server	Install Package Status: Downloaded			
✓VMware VM Settings				
✓VMware Network Settings				
✓ Download VMs				
Network Settings				
Verify Settings				
Install				
				_
	< Back 1	lext >	Cancel	

Once the VM have been downloaded or available for installation, proceed with **Virtual Appliance** installation process by selecting the **Next** button.

The next window displayed enables the user to select the folder to be used for the **Virtual Appliance's** installation

Step 11 — Define Network Settings

In this step of the **Virtual Appliance's** installation process, the window below will be displayed to enable you to assign the Network Settings for the installation.

Sinspector 2 Installer - v2021.02.02	01			-		×
✔ Install Target	Network Settings					
Requirements (VMware)	Obtain an IP address and I	DNS servers automatically (DHCP)				
✓ Network Detective Credentials	Use the following network	setting (Static)				
✓ Appliance ID	IP Address: Subpet Mask:	255.255.255.0 - /24 (Class C) 🗸 🗸				
VMware Server	Default Gateway:					
✓ VMware VM Settings	Preferred DNS Server: Attemate DNS Server:	(optional)				
✓VMware Network Settings						
✓ Download VMs						
Network Settings						
Verify Settings	1					
Install	1					
			< Back	Next >	Cancel	

Once you have defined the **Network Settings** for the **Virtual Appliance**, proceed with **Virtual Appliance** installation process by selecting the **Next** button.

Step 12 — Proxy Settings

When installing any RapidFire Tools Virtual Appliance (Cyber Hawk, Inspector 2, Reporter, and Audit Guru), you can specify a proxy server.

Ins	taller - v2018.07.30.01			—		×
]	Proxy Settings					
1	A Proxy Server is Required to Acc	ess the Internet				
	Server:	Port:	80		*	
-	Usemame:	Password:				
				Test Proxy Se	ttings	
1						
$\left \right $						

You will need:

- Server name or IP address
- Port
- Username
- Password

Tip: Click **Test Proxy Settings** to be sure you can connect successfully.

Step 13 — Verify Settings Prior to Installation

Prior to be completion of the installation process, the **Installer** will present the **Verify Settings** window.

This step in the installation process provides the user with the opportunity to check, and if necessary, modify the **Appliance ID** section, **VMware Server Settings**, **VMware VM Settings**, and the **VMware Network Settings** configuration.

Retwork Detective Virtual Appliance Ir	nstaller - v2017.08.28.01	-		×
✓Install Target	Verify Settings			
✓Requirements (VMware)	Network Detective Configuration			
✓ Network Detective Credentials	VMware Settings			
✓ Appliance ID	Datastore: (123.727 free out of 231) Resource: (VMHost)			
✓VMware Server	Network: VM Network			
✓VMware VM Settings	Network Settings			
✓VMware Network Settings				
✓ Download VMs				
✓Network Settings				
✓ Verify Settings				
Install				
	< Back Inst	all >	Cancel	

After verifying the settings are correct, select the **Install** button.

This action will start the Virtual Appliance's installation on the VMware based system.

Step 14 — Monitor Installation Progress Status

During this final step in the installation process, the **Installer** program's window presents the installation tasks and their statuses as the **Installer** program installs and configures the **Virtual Appliance**.

😫 Network Detective Virtual Appliance	Installer - v20	17.08.28.01		-		×
✓ Install Target	Install					
✓Requirements (VMware)	Installin	g the Network Detective appliance. This process typically	takes between 10-20 minutes.			
✓Network Detective Credentials	Applian	ce ID: NDA1-25 (Detector) Task	Notes			
Appliance ID	*	Create Virtual Machine	190% Extracted			
		Configure Network Settings				
✓VMware Server		Obtain IP Address				
A	1	Check VM Configuration Status				
VMware VM Settings		Configure Virtual Appliance Settings				
VMware Network Settings		Appliance Services Running				
✓ Download VMs		opdate visual Applance to Latest Version (via internet)		View	v Install	Log
✓ Verify Settings						
Install						
			< Back Finish	ı	Cancel	

In the case that any installation **Task** fails to complete, the user will be presented with a description of the issue within the **Notes** column of this window.

When a **Task** during the installation process fails to complete, the **Virtual Appliance** installation process is terminated. A "**Retry Install Now**" link will appear to enable the user to attempt to retry the installation.

When the installation process is successfully completed, the **Installer** will notify the user that the **Virtual Appliance** installation process is complete as displayed below.

Sinspector 2 Installer - v2021.02.02	.01		- 0	×
✓Install Target	Install			
✓Requirements (VMware)	Installing	g the Network Detective appliance. This process typically	takes between 10-20 minutes.	
✓Network Detective Credentials	Appliance	ce ID: NDA1-25 Detector) Task	Notes	ī.
		Extract Virtual Machine	Completed	
✓ Appliance ID		Create External Virtual Switch	Completed	
All Margare Segure		Create Vitual Machine	Operational	
V Mware Server		Configure Network Settings	DHCP enabled	
✓VMware VM Settings		Obtain IP Address		
_		Check VM Configuration Status	Ready to be configured.	
✓VMware Network Settings	V	Configure Virtual Appliance Settings	Completed	
10 1 100		Appliance Services Running	Bunning	
V Download VMs	V	Update Virtual Appliance to Latest Version (via Internet)	Completed	
✓Network Settings			View Install Log	
✓Verify Settings	1	Installation Complete	x	
Install		Congratulations! The Network Detective Appliance installed and is ready for use.	ce has been	
			< Back Finish Cancel	

Tip: After installing the appliance, be sure to double check that it meets the <u>Virtual</u> <u>Appliance Operational System Requirements</u>.

Step 15 — Confirm that Appliance Meets Operational Requirements

Once you install the appliance, be sure that it meets the Operational Requirements:

- 6 GB Available RAM
- 20 GB Hard Drive Space

Manual Installation for VMware deployment

Step 1 : Download the VMware appliance OVA

Download the appliance at: <u>https://s3.amazonaws.com/networkdetective/download/NDApplianceSetupFiles2-</u> <u>VMware.ova</u>.

Step 2: Launch the VMware vSphere Client and log in

Step 3: Launch the VMware New Virtual Machine Wizard

Click the **Virtual Machines** link in the Navigator pane to the left and click **Create** /**Register VM** in the virtual machines pane to the right to launch the New Virtual Machine wizard.

vmware" esxi"				
Navigator		🗗 loca	Ihost.corp.rapidfiretools.com - Virtual Machines	
✓ ☐ Host Manage		1	Create / Register VM 📝 Console 🕨 Power on 📲 Power off 🔢 Suspe	nd C Refresh
Monitor			Virtual machine ~	Status ~
🗿 Virtual Machines	5		B esxi-win10-1	Normal
► Storage	1		🔓 esxi-win10-2	Normal
• Q Networking	1		🔓 esxi-centos7-1	Normal
			🔁 NDA1-9805MR	Normal
			B NDApplianceSetupFiles2	Normal
· · · ·		Qu	ick filters ~	

Step 4: Creating a VMware Virtual Machine

• Select Creation Type – Select the option to Deploy a virtual machine from an OVF or OVA file.

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🝄 New virtual machine		
1 Select creation type 2 Select OVF and VMDK files 3 Select storage	Select creation type How would you like to create a Virtual Machine?	
4 License agreements 5 Deployment options 6 Additional settings 7 Ready to complete	Create a new virtual machine Deploy a virtual machine from an OVF or OVA file	This option guides you through the process of creating a virtual machine from an OVF and VMDK files.
vmware.	Register an existing virtual machine	
		Back Next Finish Cancel

• Select OVF and VMDK files – Enter a Name for the Virtual Machine (ie. Cyber Hawk). Drag and Drop the OVA you downloaded in Step 1 into the highlighted Area or double click the highlighted area to bring up the file explorer and navigate to the file. Once the file appears in the highlighted area click Next.

🔁 New virtual machine	
New Virtual machine Select Creation type Select OVF and VMDK files Select Storage License agreements Deployment options 6 Additional settings 7 Ready to complete	Select OVF and VMDK files Select the OVF and VMDK files or OVA for the VM you would like to deploy Enter a name for the virtual machine. Virtual machine names can contain up to 80 characters and they must be unique within each ESXI instance.
vm ware [.]	Click to select files or drag/drop
	Back Next Finish Cancel

• **Select Storage** – Select the Datastore where you would like to store the virtual machines configuration and virtual disks.

1 New virtual machine - Cyberhawk							
 1 Select creation type 2 Select OVF and VMDK files 3 Select storage 4 License agreements 5 Deployment options 6 Additional settings 7 Ready to complete 	Select storage Select the storage type and datastore Standard Persistent Memory Select a datastore for the virtual machine's of	onfiguration files	s and all of its' v	irtual disks.			
	Name ~	Capacity 🗸	Free ~	Туре	✓ Thin pro… ✓	Access	~
	datastore1	458.25 GB	359.15 GB	VMFS6	Supported	Single	
						1 it	tems
vm ware [®]							
			Ba	ick	Next Finis	h C	ancel

 Deployment Options – Select the appropriate Network Mappings. Make sure the network selected can communicate with the network that will be scanned. For the disk provisioning options Thick is always best for better I/O but you may opt to use Thin depending on how much space you have available. You can leave the Power on Automatically option checked and click Next.

😰 New virtual machine - Cyberhawk		
 1 Select creation type 2 Select OVF and VMDK files 3 Select storage 	Deployment options Select deployment options	
4 Deployment options 5 Ready to complete	Network mappings	VM Network VM Network ~
	Disk provisioning	● Thin [©] Thick
	Power on automatically	Ø
vm ware [®]		
		Back Next Finish Cancel

• **Ready to Complete** – Review the settings before finishing the Wizard and make sure NOT to refresh your browser while the Virtual Machine is being deployed. Click Finish.

1 Select creation type	Ready to complete	
2 Select OVF and VMDK files	Review your settings selection b	efore finishing the wizard
4 Deployment options		
5 Ready to complete	Product	NDApplianceSetupFiles2-VMware
	VM Name	Cyberhawk
	Disks	NDApplianceSetupFiles2-VMware-disk1.vmdk
	Datastore	datastore1
	Provisioning type	Thin
	Network mappings	VM Network: VM Network
	Guest OS Name	Unknown
	Do not refresh yo	ur browser while this VM is being deployed.

• Virtual Machine deployment – You can view the Recent Tasks section of the Virtual Machines to check the deployment progress.

🗊 Recent tasks						
Task ~	Tarpet ~	Initiator ~	Queued ~	Started	Result	Completed • ~
Upited disk - NDApplance Setup Files2-VMware-disk1.vmdk (1 o	(i) Cyberhawk	reat	04/10/20/10 09:62:08	04/10/2010 00:52:05	S	Running., 39 %
Import \Xep	Resources	reat	04192019 09:50:04	04/16/2019 09:50:04	S	Running., 29 %

Step 4: Verify successful deployment of virtual machine

The results column of the Recent Tasks should have a check mark stating 'Completed Successfully' VM upload, Importing of the VM and Powering up the VM.

1 Create / Register VM 😻 Console 🗼 Pow	er on 🚆 Power off 🔢 Suspend 🕻	C Refresh	Actions						
Virtual machine	 Status 		Used space	~	Guest OS	~	Host name	~	Host CPU
esse-winnu-1	O NO	imai	32 (38		MICrosoft Windows	10 (64-00)	Unknown		V MHZ
esxi-win10-2	📀 Nor	ormal	32 GB		Microsoft Window	10 (64-bit)	Unknown		0 MHz
esxi-centos7-1	🕑 Nor	smal	16 GB		CentOS 7 (64-bit)		Unknown		0 MHz
Image: Book of the second s	📀 Not	mal	6.8 GB		CentOS 4/5 or late	r (64-bit)	Unknown		0 MHz
NDApplianceSetupFiles2	🕑 Not	ormal	6.78 GB		CentOS 4/5 or late	r (64-bit)	Unknown		0 MHz
Cyberhawk	🙆 No	ermal	Unknown		CentOS 4/5 or late	r (64-bit)	Unknown		0 MHz
Quick filters v									
	Cyberhawk Gud 03 Ce Compatibility ES Com	setOS 4/5 or lat 103 5.0 and late 2 GB	ter (64-bit) rr (VM version 8)		~				
Recent tasks									
Task ~	Target	~ Initiator	~	Queued	~	Started	✓ Re	sult 🔺	
Upload disk - NDAppliance Setup Files2-VMware-disk1.vmdk (1 o	🚯 Cyberhawk	roat		04/19/2019 09:52:0	6	04/18/2019 09:52:08	-0	Completed auccessfully	
Power On VM	👔 Cyberhaek	roat		04/10/2019 00:52:0	a	04/10/2019 09:52:03	0	Completed auccessfully	
Import VApp	Resources	roat		04/19/2019 09:50:0	4	04/19/2019 09:50:04	0	Completed successfully	

Step 5: Log into the Virtual Machine to set up your Cyber Hawk appliance

Once you have verified successful deployment of your virtual machine launch the virtual machine console (see screen capture from step 4) and log into the VM using the following credentials.

- User: setup
- Password: setup-nda

After entering the credentials, the Cyber Hawk troubleshooting console will come up.



Step 6: Setting up your Cyber Hawk Appliance

- Use the your Up/Down Arrow keys to select Option 5 Set Appliance ID and click hit Enter.
- Enter your Network Detective credentials in the Device Registration dialog and then hit the Tab key to select an option (OK, Clear All, Back). Select OK and hit enter.

Note: You must use the up/down arrow keys to switch between the username and password fields.

Enter you	Device I ur Network I	Registratio Detecti∨e C	m Credenti	als:
Username Password				
< O K	> <clea< th=""><th>ar All> <</th><th>Back</th><th>></th></clea<>	ar All > <	Back	>

• Upon a successful login the following the Available Appliance IDs window will come up listing all the appliance IDs provisioned under your account that have yet to be

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deployed. Select an Appliance ID with (Cyber Hawk) beside the ID. Again, use the up/down arrow keys to select the desired appliance id. Hit Enter.

2	NDA1-0684CX NDA1-2521KM	(Cyber (Cyber	Hawk) Hawk)
3	NDA1-32240S	(Cyber	Hawk)
4 5	NDA1-6483ZC	(Cuber	Hawk)
6	NDA1-8053IU	(Cyber	Hawk)
7	NDA1-8266TL	(Cyber	Hawk)
8	NDA1-8908UU NDA1-894101	Cuber	Hawk J Hawk J
10	NDA1-9674LQ	(Cyber	Hawk)

• Once the appliance ID has been selected the following dialog will come up showing the Cyber Hawks' current settings. Review the settings and hit enter to Exit the current settings window.



• Once you have exited the Current Settings window you will be brought back to the Troubleshooting Console's main menu. Use the up/down arrow keys and highlight the Option 5 – Application Control. Hit Enter.



• When the Application Menu comes up use the up/down arrow keys to select Option 4 – Update Application. Hit Enter.

Application Menu
Please select:
 View Current Settings Start Application Stop Application Update Application Enable/Disable Auto-update
<pre></pre>

• The next screen will display that an update has been requested. This request will update your Cyber Hawk application to the latest version.



• Hit enter to bring you back to the application menu then select Back to bring you back to the Troubleshooting Console main menu. Select Exit and hit Enter to exit the Troubleshooting Console.

Step 7: Verify your Cyber Hawk Appliance is checking into the Rapidfire Tools servers and appears Active in the Network Detective application

Log into the **Network Detective** Application and Click the Appliances tab. Your newly deployed Cyber Hawk should have a green communication indicator to left of the Appliance ID and the Update Status column should show Current (see below).

