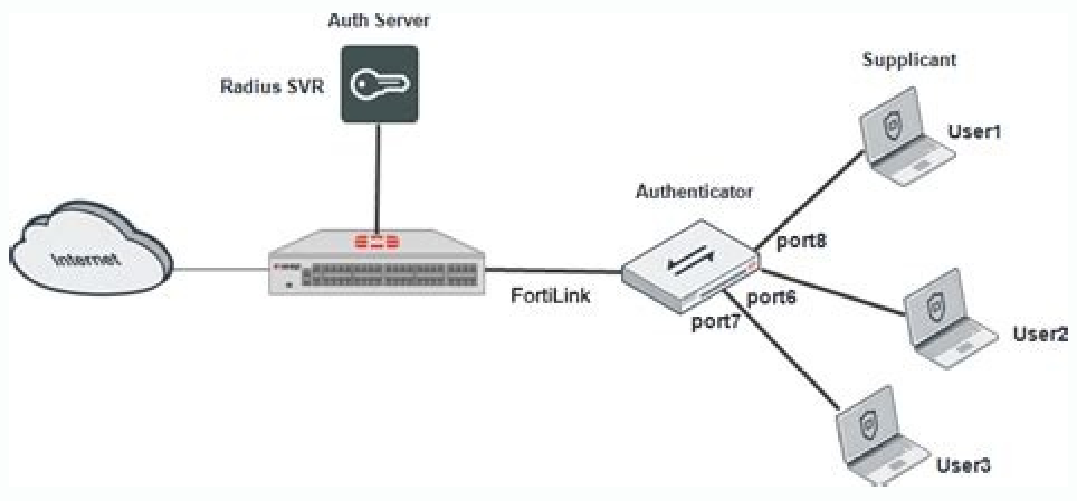
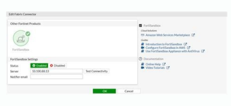
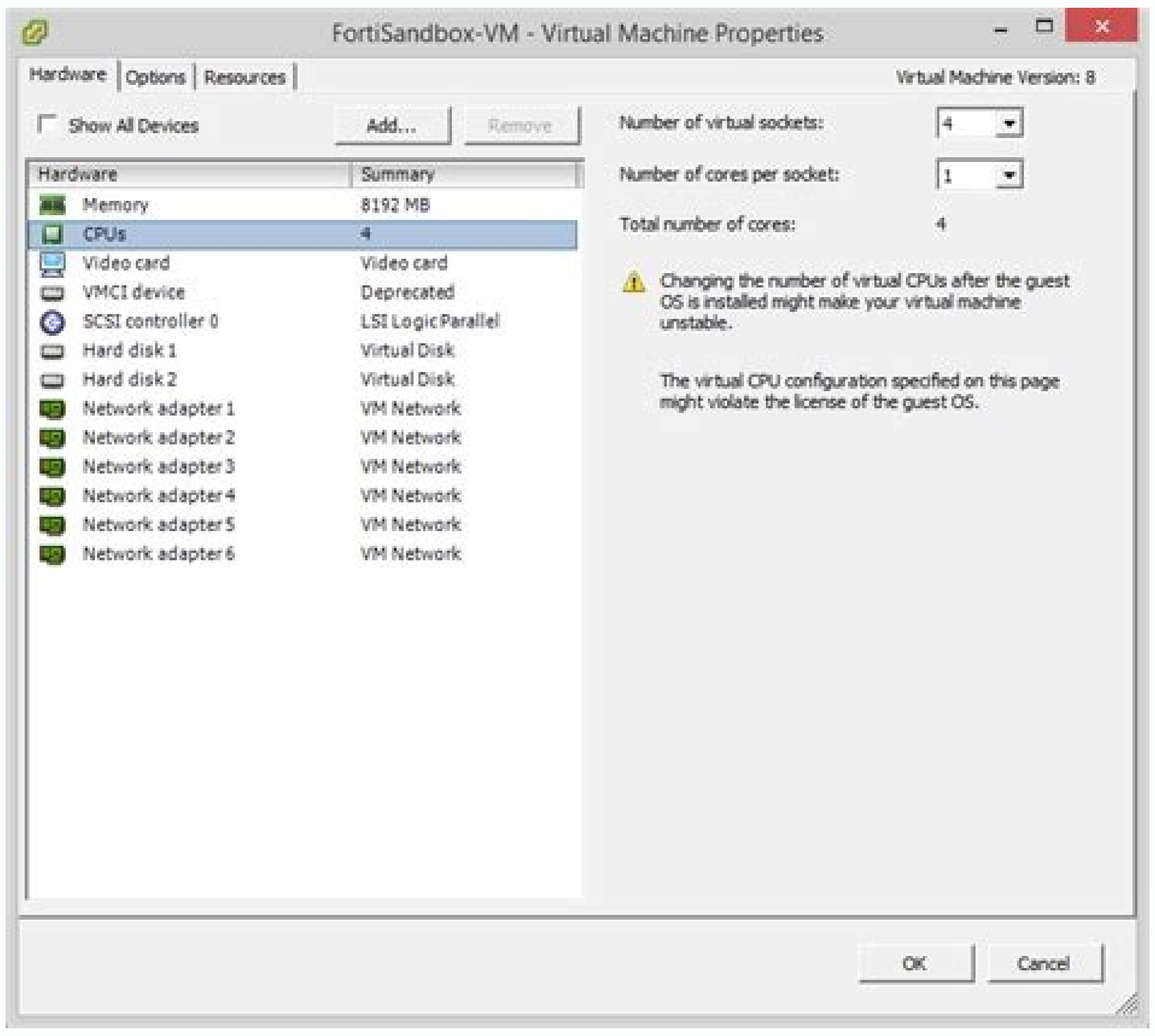
Fortisandbox configuration guide







FortiSandbox-VM - Virtual Machine Properties

Hardware | Options | Resources | Virtual Machine Version: 8

□ Show All Devices [Add...] [Remove]

Hardware	Summary
Memory	8192 MB
CPUs	4
Video card	Video card
VMCI device	Deprecated
SCSI controller 0	LSI Logic Parallel
Hard disk 1	Virtual Disk
Hard disk 2	Virtual Disk
Network adapter 1	VM Network
Network adapter 2	VM Network
Network adapter 3	VM Network
Network adapter 4	VM Network
Network adapter 5	VM Network
Network adapter 6	VM Network

Number of virtual sockets: 4

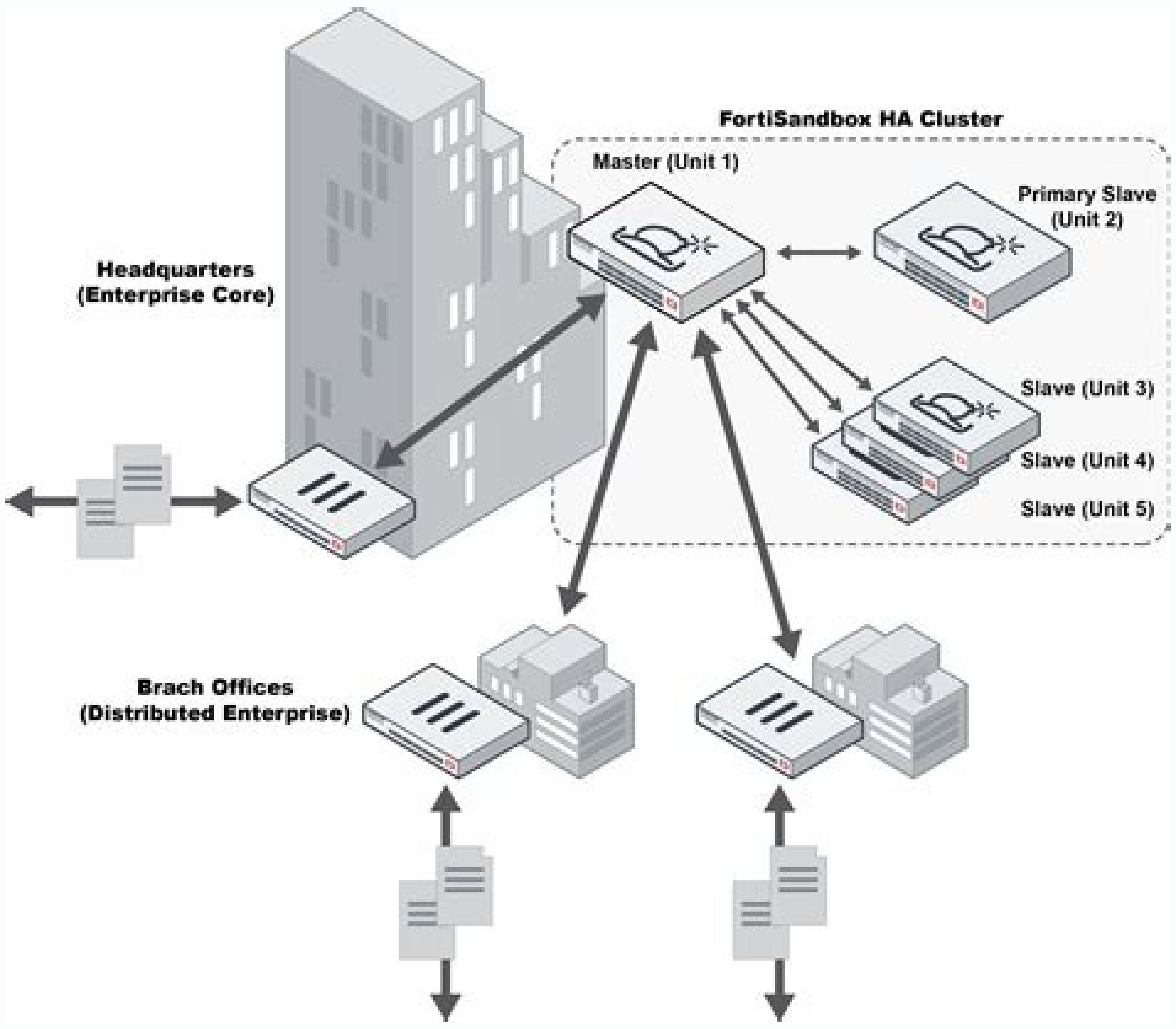
Number of cores per socket: 1

Total number of cores: 4

⚠ Changing the number of virtual CPUs after the guest OS is installed might make your virtual machine unstable.

The virtual CPU configuration specified on this page might violate the license of the guest OS.

[OK] [Cancel]



The root FortiGate receives information from all other FortiGates in the Security Fabric and is used for the Security Rating. These settings can also be configured from within FortiClient's AntiVirus settings. Next Security Fabric collection In this recipe, you will add a FortiSandbox to your Security Fabric and configure each FortiGate in the network to send suspicious files to FortiSandbox for sandbox inspection.   You can also view results on the FortiSandbox, by going to System > Status and viewing the Scanning Statistics widget. Select None, then use the Select Profile option to set the policy to use the default profile. To edit port1, which is used for communication between the FortiSandbox and the rest of the Security Fabric, go to Network > Interfaces. This port will be used for communication between the FortiSandbox and your security fabric. If a policy has AntiVirus and web filtering scanning applied, the profiles will be listed in the Security Profiles column. Enable Sandbox Inspection.   If you have a FortiCloud account, you can also select FortiSandbox Cloud. For the updated content, go here. Go to Security Profiles > FortiClient Compliance Profiles and edit the default profile. Once this occurs, it will start to activate and initialize the Microsoft Windows VM and the Microsoft Office VM. Port 3 on the FortiSandbox is used for outgoing communication triggered by the execution of the files under analysis. Under Static URL Filter, enable Block malicious URLS discovered by FortiSandbox. An error message appears because External has not been authorized on the FortiSandbox. Next FortiSandbox in the Security Fabric Previous FortiSandbox in the Security Fabric This collection of related recipes shows how to configure a Security Fabric throughout your network, using a range of Fortinet products. This security fabric will link different security sensors and tools together to collect, coordinate, and respond to malicious behavior anywhere it occurs on your network in real time. Between most steps are screenshots showing the FortiView Topology dashboards, which can be seen in the video above.   On External, go to System > Security Fabric and test the Sandbox Inspection connectivity again.   To connect FortiSandbox to FortiMail 1. Go to System > Configuration > FortiSandbox.   Enable Use FortiSandbox Database, so that if FortiSandbox discovers a threat, a signature for that file is added to the FortiGate's AntiVirus signature database. You might already have this collection installed if you are using the ansible package.   If a FortiGate in the Security Fabric discovers a suspicious file, it sends the file to the FortiSandbox. The list of files which FortiMail submits to the FortiSandbox for inspection is largely dependent on what files the FortiSandbox can support. You will also configure your FortiGate to automatically receive signature... member_path Member attribute path to operate on. The post Sandboxing with FortiSandbox and FortiClient appeared first on Fortinet Cookbook. Last updated on Dec 21, 2021. Check back regularly for new recipes. Set the IP/Network Mask to an internal IP address (in the example, 192.168.179.10/255.255.255.0). Physical topology: Logical topology: 3. Set the IP Address (in the example, 172.20.121.128) and enter a Notifier Email, where notifications and reports will be sent. Below, you can find the Security Fabric Collection, which is a list of recipes about configuring and using the Security Fabric. enable_log Enable/Disable logging for task. If you use this configuration, you can skip the steps listed for FortiSandbox port 3. Because a Security Fabric hasn't yet been created, the Security Fabric topology views havn't been included here. 7. Once the FortiSandbox has access to the Internet through port 3, it will begin to activate its VM licenses.   On Edge, go to Security Fabric > Settings and test the Sandbox Inspection connectivity again.   Wait for the FortiSandbox to confirm that it has access to the Internet. FortiMail resources FortiMail website Blog: On Email's Birthday, Here's a Look at How to Keep it Safe FortiMail recipes Subscribe to...   To add a static route, go to Network > System Routing. In this example, the FortiSandbox will connect to the same subnet as a previously installed FortiAnalyzer, using the IP address 192.168.55.20. Make sure FortiSandbox Appliance is selected and set Server to the IP address of port 1 on the FortiSandbox. On the FortiGate, go to System > External Security Devices and for FortiSandbox select Test Connectivity. The Status now shows that Service is online. 3. Installing a FortiGate in NAT/Route mode This recipe shows you how to install a single FortiGate in your network using NAT/Route mode, which is the most commonly used operation mode. FortiSandbox in the Security Fabric In this recipe, a FortiSandbox is added to the Security Fabric, so that any suspicious files discovered by the FortiGates can be be scanned and tested in isolation from the rest of the network. On one of the FortiGate devices, go to the Dashboard and locate the Advanced Threat Protection Statistics widget. Before continuing with this recipe, wait until a green arrow shows up beside Windows VM in the FortiSandbox's System Information widget, found at System > Status. FortiSandbox port 3 is used for outgoing communication triggered by the execution of the files under analysis. 5. 5. Go to Policy > Policies.   6. Next Episode 5: FortiCloud Previous FortiSandbox Integration in 5.4 (Video) Hello! This is FortiOS Version 5.4. We've been working hard to get this new version ready, and this video will run you through some of the features and updates you can expect: a new interface, new tools for keeping an eye on your network, new features to protect against new threats, and thousands of updates... Enable Security Posture Check. Next AntiVirus with FortiSandbox FortiSandbox is a key part of Fortinet's innovative Advanced Threat Protection solution. The post AntiVirus with FortiSandbox appeared first on Fortinet Cookbook. AnsibleFest Products Community Webinars & Training Blog Documentation Ansible Note This plugin is part of the fortinet.fortios collection (version 2.1.3). Select the FortiClient device, then select Quarantine.   The FortiSandbox requires Internet access on port 3. External is listed but shown as unauthorized. Note Legacy fortiosapi has been deprecated, httpapi is the preferred way to run playbooks - collections: - fortinet.fortios connection: httpapi hosts: fortigate01 vars: ansible_httpapi_port: 443 ansible_httpapi_use_ssl: true ansible_httpapi_validate_certs: false vdom: root tasks: - name: fortios_system_fortisandbox fortios_system_fortisandbox: vdom: root system_fortisandbox: enc_algorithm: default forticloud: disable interface_select_method: auto ssl_min_proto_version: default status: disable Common return values are documented here, the following are the fields unique to this module: Key Returned Description build always Build number of the fortigate image http_method always Last method used to provision the content into FortiGate http_status always Last result given by FortiGate on last operation applied mkey success Master key (id) used in the last call to FortiGate name always Name of the table used to fulfill the request path always Path of the table used to fulfill the request revision always serial always Serial number of the unit status always Indication of the operation's result vdom always version always © Copyright Ansible project contributors. Recommended by NSS Labs, FortiSandbox is designed to detect and analyze advanced targeted attacks designed to bypass traditional security defenses. Below is the list of files currently supported in FortiMail 5.2.3 (FortiSandbox 2.0 or late). On the FortiSandbox, go to System > Status and view the Scanning Statistics widget for a summary of scanned files. 8. Next Episode 5: FortiCloud Previous What's New In FortiOS 5.4 (Video) Next Episode 8: FortiMail Previous Fortinet and the GHOST Vulnerability Next FortiSandbox in the Security Fabric Previous Episode 5: FortiCloud Previous Episode 8: FortiMail In this recipe, you will add a FortiSandbox to your Security Fabric and configure each FortiGate in the fabric to send suspicious files to FortiSandbox for Sandbox Inspection. Next Fortinet and the GHOST Vulnerability Previous FortiSandbox Integration in 5.4 (Video) Hello! This is FortiOS Version 5.4. We've been working hard to get this new version ready, and this video will run you through some of the features and updates you can expect: a new interface, new tools for keeping an eye on your network, new features to protect against new threats, and thousands of updates and tweaks to make managing your firewall easier. This feature is currently only available in FortiClient 5.4 for Windows. Under Static URL Filter, enable Block malicious URLs discovered by FortiSandbox. All of the FortiGate devices and the FortiAnalyzer now appear in the Security Fabric topology views, which you must view using Edge. Under Permissions & Policies, select Authorized. The FortiSandbox scans and tests these files in isolation from your network. This feature is currently only available in FortiClient 5.4 for Windows. If your FortiGate discovers a suspicious file, it will now be sent to the FortiSandbox. The FortiSandbox scans for threats that can get past other detection methods, by using Windows Virtual Machines, or VMs, to test suspicious files in isolation... Physical topology: Logical topology: The post Security Fabric collection appeared first on Fortinet Cookbook.   Edit port3. Finally you will configure FortiClient to use extended scanning that includes FortiSandbox. On the FortiSandbox, go to Scan Policy > General. You will see that the Realtime Protection settings match the FortiClient Profile configured on the FortiGate. The FortiSandbox scans for threats that can get past other detection methods, by using Windows Virtual Machines, or VMs, to test suspicious files in isolation from your network. Next FortiSandbox Integration in 5.4 (Video) Previous AntiVirus with FortiSandbox In this recipe, you will set up sandboxing to send suspicious files to a FortiSandbox Appliance for further inspection. Watch more videos The post FortiSandbox Integration in 5.4 (Video) appeared first on Fortinet Cookbook. Physical topology: Logical topology: The post Security Fabric appeared first on Fortinet Cookbook. If the PC had downloaded a suspicious file that the FortiSandbox determined was malicious, quarantine would be applied automatically. This configuration avoids having IP addresses from your main network blacklisted if malware that's tested on the FortiSandbox generates an attack. 2. Go to the Dashboard and locate the System Information widget. To view information about the files that have been sent on the FortiGate, go to FortiView > FortiSandbox to see a list of file names and current status. Then select OK. This indicates that the VM activation process is complete. On the FortiGate, go to Policy & Objects > IPv4 Policy and create a policy allowing connections from the FortiSandbox to the Internet. The supported files is continually growing. Go to Scan Policy > General and select Allow Virtual Machines to access external network through outgoing port3. Go to Security Profiles > AntiVirus and edit the default profile. You can also view results on the FortiSandbox by going to System > Status and viewing the Scanning Statistics widget. This is followed by a discussion between Carl and Khaled Hassan about different FortiMail deployments. The post FortiSandbox in the Security Fabric appeared first on Fortinet Cookbook. Edge, as the root FortiGate, pushes FortiSandbox settings to the other FortiGates in the Security

Fabric. To check whether it is installed, run ansible-galaxy collection list.   You can also view results on the FortiSandbox by going to System > Status and viewing the Scanning Statistics widget. Check back to see what new recipes have been added. To use it in a playbook, specify: fortinet.fortios.fortios_system_fortisandbox. Set IP Address/Netmask to an internal IP address (in the example, 192.168.179.10/255.255.255.0).   On the FortiSandbox, go to Network > System Routing and add a static route for port 1. Under AntiVirus, enable Realtime Protection, then enable Scan Downloads, followed by Scan with FortiSandbox. Go to Security Profiles > Web Filter and edit the default profile. This collection is a work in progress. Select the “Upload suspicious attachment to FortiSandbox” checkbox under the Virus Scanning heading. To view information about the files that have been sent on the FortiGate, go to Status > FortiView > FortiSandbox to see a list of files names and current status.   Connect to Edge. To view the complete network, you must access the topology views using the root FortiGate in the Security Fabric. FortiSandbox port 3 must be able to connect to the Internet. The FortiGates all appear in the FortiView topology on the External FortiGate, along with the FortiAnalyzer.   If you haven’t already done so, connect the FortiSandbox to your security fabric as shown in the diagram. Select Enable Sandbox Inspection and select FortiSandbox Appliance. In later recipes, this FortiGate will be called “Edge,” because it’s the only FortiGate that connects directly to the Internet, with the other FortiGate devices located behind it. Enable the FortiSandbox. Under Permissions and Policies, select Authorized. A FortiAnalyzer is also added to collect and view logs. High availability with two FortiGates This recipe shows you how to create an HA cluster by connecting a backup FortiGate to the root FortiGate in the Security Fabric.   If the FortiSandbox discovers a threat, the URL that threat came from will be added to the list of URLs that will be blocked by the FortiGate. ssl_min_proto_version Choices: default SSLv3 TLSv1 TLSv1-1 TLSv1-2 Minimum supported protocol version for SSL/TLS connections . Finally, you will configure FortiClient to use extended scanning that includes FortiSandbox. Since you haven’t yet installed a FortiSandbox in your network, the Security Fabric fails the Advanced Threat Protection check. External is now connected to the FortiSandbox. Set IP Address/Netmask to an internal IP address. The Status shows as unreachable, because the FortiGate has not been authorized to connect to the FortiSandbox. For further reading, check out Overview of sandbox inspection in the FortiOS 6.0 Online Help. Run an Audit for your Security Fabric.   On the FortiSandbox, go to File-based Detection > File Input > Device. Edit the entry for the FortiGate. This role is also known as the gateway FortiGate. In the example network, the Internet-facing FortiGate is called External, with three additional FortiGates, called Accounting, Marketing, and Sales. Set the IP/Network Mask to an internal IP address. This example uses the Security Fabric configuration created in the Security Fabric installation recipe. It is recommended to connect this port to a dedicated interface on your FortiGate to protect the rest of the network from threats currently being investigated by the FortiSandbox. On the FortiSandbox, go to System > Network > Static Routing and add static routes for both port 1 and port 3. The static route for port 3 must have the Destination/IP Mask 0.0.0.0/0.0.0.0, while port 1 is assigned the Destination/IP Mask for traffic in the local network. There are two connections between the devices: FortiSandbox port 1 (administration port) connects to Edge port 16 FortiSandbox port 3 (VM outgoing port) connects to Edge port 13 If possible, you can also use a separate Internet connection for FortiSandbox port 3, rather than connecting through the Edge FortiGate to use your main Internet connection.   On External, go to Log & Report > Security Fabric Audit and run an Audit. While traditional signature-based systems rely on predefined virus signatures to catch viruses, FortiSandbox looks at the construction of files for characteristics commonly found in viruses and emulates the execution looking for typical virus behavior. These settings cannot be changed using FortiClient.   Once the FortiSandbox has access to the Internet through port 3, it will begin to activate the VM licenses. Physical Topology shows all access layer devices, and Logical Topology shows information about the interface (logical or physical) that each device is connected to. It’s recommended that you connect this port to a dedicated interface on your FortiGate to protect the rest of the network from threats that the FortiSandbox is currently investigating. In order to pass this check, all FortiGates must have Sandbox Inspection added to an AntiVirus profile. A message appears in FortiClient, telling the user to contact the system administrator. Any suspicious files entering your network will be sent to a FortiSandbox for further examination. This collection is supported for the following Fortinet firmware: FortiOS 5.6.0+ FortiAnalyzer 5.6.0+ FortiSandbox 2.4.0+ 1. More FortiCloud resources FortiCloud website FortiCloud 3.1 FAQ FortiCloud datasheet Fortinet Cookbook recipes using FortiCloud Subscribe to FortiCast   Next FortiSandbox in the Fortinet Security Fabric Previous Episode 5: FortiCloud This episode features two discussions about FortiMail. When the VMs are ready to go, green checkmarks will appear beside them. Go to AntiVirus > Realtime Protection Enabled and edit the settings.   Repeat these steps for the other FortiGates in the Security Fabric. The FortiSandbox scans for threats that can get past other detection methods, using Windows virtual machines (VMs) to test suspicious files in isolation from your network. Next Sandboxing with FortiSandbox and FortiClient Previous Integrating FortiSandbox into FortiMail In this recipe, you will apply antivirus scanning to your network traffic.   After you select Apply, select Test Connectivity. Next Episode 8: FortiMail Previous What’s New In FortiOS 5.4 (Video) Ben Wilson and Philip Keeley discuss the key features of FortiCloud, our cloud-based management platform for FortiGate and FortiAP.   If your FortiGate discovers a suspicious file, it will now be sent to the FortiSandbox. The FortiSandbox connects to the root FortiGate in the Security Fabric, known as External. The FortiGates in the Security Fabric (Edge, Accounting, Marketing, and Sales) are listed but the Auth column indicates that the devices are unauthorized. On the FortiGate, go to System > External Security Devices. Select and edit Edge. This widget shows files that both the FortiGate and FortiSandbox scan. This example uses the Security Fabric configuration created in the recipe Security Fabric installation. If any security policy does not have AntiVirus applied, highlight that policy to make the None option visible in the AV column. As a file is examined, the virus-like attributes are totaled. On the FortiGate, go to Monitor > FortiClient Monitor. Note: The statistics include how many malwares are detected and how many files are clean among all the files submitted. Set IP/Network Mask to an address on the same subnet as port 3 (in the example, 192.168.179.2/255.255.255.0)   FortiSandbox port 3 must be able to connect to the Internet. Next What’s New In FortiOS 5.4 (Video) Previous Sandboxing with FortiSandbox and FortiClient In this video, you will learn how to set up sandboxing to send suspicious files to a FortiSandbox Appliance for further inspection. Sandbox Inspection can be applied to three security profiles: AntiVirus, Web Filter, and FortiClient Profiles. Under Inspection Options, enable both Send Files to FortiSandbox Appliance for Inspection and Use FortiSandbox Database. An error message appears because Edge hasn’t been authorized on the FortiSandbox. In order to pass the Advanced Threat Protection check, you must add sandbox inspection to antivirus profiles for all FortiGate devices in the Security Fabric. If scanning needs to be added to any security policy (excluding the Implicit Deny policy) select the + button in the Security Profiles column for that policy, then select the default AntiVirus Profile, the default Web Filter Profile, the appropriate Proxy Options, and the deep-inspection profile for SSL Inspection Options (to ensure that encrypted traffic is inspected). It is recommended to connect this port to an isolated interface on your FortiGate (in the example, port 15), to protect the rest of the network from threats currently being investigated by the FortiSandbox. You can apply sandbox inspection with three types of security inspection: antivirus, web filter, and FortiClient compliance profiles.   Select the Edit button located beside External’s name. A FortiAnalyzer is also added to the network to collect and view logs. Connect to FortiSandbox. The post FortiSandbox in the Security Fabric appeared first on Fortinet Cookbook. Make sure FortiSandbox Appliance is selected and set Server to the IP address of the FortiSandbox’s port 1.   Enable Use FortiSandbox Database, so that if the FortiSandbox discovers a threat, it adds a signature for that file to the antivirus signature database on the FortiGate. Make sure it is registered to your FortiGate. Enter the FortiSandbox host name or IP address. This recipe was written using FortiSandbox 2.1.0. Connect the FortiSandbox to your FortiGate as shown in the diagram, so that port 1 and port 3 on the FortiSandbox are on different subnets. You will also configure your FortiGate to automatically receive signature updates from FortiSandbox and add the originating URL of any malicious file to a blocked URL list. Next AntiVirus with FortiSandbox Previous Episode 39: FortiSandbox This recipe has moved. On the FortiSandbox, go to Network > Interfaces and configure port 1. This collection supports the following Fortinet firmware: FortiOS 6.0.0 and higher FortiAnalyzer 6.0.0 and higher FortiSandbox 2.5.0 and higher 1. After the FortiSandbox is added to the Security Fabric, it appears in the topology views. You can also use it as a standalone recipe. It is not included in ansible-core. Physical topology: Logical topology: 4. To configure the port that connects to port3 on the FortiSandbox (in the example, port13), go to Network > Interfaces. On the FortiSandbox, go to Scan Input > Device.   On the FortiSandbox, go to Scan Input > Device. After the HA cluster is created, it appears in the topology views. Delimited by a slash character if there are more than one attribute. For terms and conditions, go to forticast.fortinet.com.   On External, go to Network > Interfaces and port 13. Connect to Edge. A vdom is a virtual instance of the FortiGate that can be configured and used as a different unit. The illustration to the right details the scanning process. Select Test Connectivity. After the ISFW FortiGate devices and FortiAnalyzer are installed, the Security Fabric is configured. Generated from GUI of Fortigate. Set IP/Network Mask to an address on the same subnet as port 3 on the FortiSandbox (in the example, 192.168.179.2/255.255.255.0)   Connect the FortiSandbox to the Security Fabric.   Go to Network > Interfaces and configure port 3. This recipe details how FortiSandbox works and then guides you through process of integrating FortiSandbox into FortiMail. Watch more videos The post What’s New In FortiOS 5.4 (Video) appeared first on Fortinet Cookbook. FortiSandbox resources: FortiSandbox website... If a threshold in the number of virus-like attributes is passed the file is marked as ‘suspicious’. This FortiGate will also be the root FortiGate in the Security Fabric.   On the FortiGate, go to Policy & Objects > Policy > IPv4 and view the policy list. Go to Security Profiles > FortiClient Profiles and edit the default profile. Once FortiSandbox is connected, you’ll need to create an AntiVirus profile that uses FortiSandbox. Find this recipe for other FortiOS versions5.4 | 5.6 | 6.0 On Edge (the root FortiGate in the Security Fabric), go to Security Fabric > Security Rating. Under Inspection Options, set Send Files to FortiSandbox Application for Inspection to All Supported Files. If you encounter any issues while configuring your Security Fabric, check out Security Fabric troubleshooting. Security Fabric installation In this recipe, three additional FortiGates are added to the network as Internal Segmentation Firewalls (ISFWs). On the FortiGate, go to Policy & Objects > Policy > IPv4 and create a policy allowing connections from the FortiSandbox to the Internet (using the isolated interface on the FortiGate mentioned above). This profile will be pushed to any device running FortiClient that is registered to your FortiGate. In the example, the Security Rating Score decreases by 30 points for each of the four FortiGates in the Security Fabric. Go to Policy & Objects > IPv4 Policy and view the policy list. 4. Under Permissions, enable Authorized. FortiSandbox in the Security Fabric This recipe shows you how to add a FortiSandbox to the Security Fabric, so that any suspicious files that the FortiGate devices discover can be scanned and tested in isolation from the rest of the network. This provides redundancy if the root FortiGate, now called Edge-Primary, fails. If you select Test Connectivity, the Status shows as Service is not configured because the FortiGate has not been authorized to connect to the FortiSandbox. To view information about the files that have been sent on the FortiGate, go to the Dashboard and locate the Advanced Threat Protection Statistics widget, which shows files scanned by both the FortiGate and FortiSandbox. MS Word: docx, dotx, docm, dotm MS Excel: xlsx, xltx, xlsm, xltm, xlsb, xlam MS PowerPoint: pptx, ppsx, potx, sldx, pptm, ppsm, potm, ppam, sldm MS OneNote: onetoc MS Theme: thmx JAR SWF PDF Java script file Windows executable files such as .scr, .dll, .com, and .exe Archive files: .RAR and .ZIP The post Integrating FortiSandbox into FortiMail appeared first on Fortinet Cookbook. In this step, Sandbox Inspection should be added on all FortiGates in the fabric individually, using the profiles that each FortiGate applies to traffic. This port will be used for outgoing communication by the FortiSandbox’s Virtual Machines (VMs).   On the FortiGate, go to System > Config > FortiSandbox and select Test Connectivity. The Status now shows that Service is online. To verify this, connect to Accounting and go to Security Fabric > Settings. Select New under either the IP Policies or Recipient Policies section. If the AV column is not visible, right-click on the title row, select AV, and select Apply. Select New. Enable Use FortiSandbox signatures to make sure new virus signatures and blocked URLs from the FortiSandbox are added to FortiClient’s databases. interface_select_method Choices: auto sdwan specify Specify how to select outgoing interface to reach server. For more information about this, refer to the next recipe in the collection. server IPv4 or IPv6 address of the remote FortiSandbox.   Your Fabric has passed the Advanced Threat Protection check and your Security Score has improved. Security Fabric installation and rating This recipe shows you how to add three additional FortiGate devices to the network, with each functioning as an Internal Segmentation Firewall (ISFW). Set Gateway to the IP address of the FortiGate interface that port 1 connects to (in the example, 192.168.65.2). In this example, the FortiSandbox connects to the same subnet as the FortiAnalyzer that you installed previously, using the IP address 192.168.65.20. The PC is now quarantined by FortiClient and cannot connect to the Internet or other network devices. To enable FortiSandbox 1. Go to Profile > AntiVirus > AntiVirus. Tested with FOS v6.0.0 The below requirements are needed on the host that executes this module. There may be a delay before results appear on the FortiSandbox. This collection is a work-in-progress. In order to ensure that AntiVirus is applied to encrypted traffic, you must also make sure that the deep-inspection profile is used for SSL Inspection. Enter port 514 Note: If you have a firewall between FortiMail and FortiSandbox, allow port 514. Set Gateway to the IP of the FortiGate interface that port 1 connects to (in the example, 192.168.55.2). Select the newly created antivirus profile from the AntiVirus dropdown menu under the Profiles section. status Enable/disable FortiSandbox. Installing a FortiGate in NAT/Route mode In this recipe, you install the initial FortiGate, which will later be used as the root FortiGate (also known as the upstream FortiGate) in the security fabric.   On External, go to System > Security Fabric. The post Episode 39: FortiSandbox appeared first on Fortinet Cookbook. On the FortiSandbox, go to System > Network > Static Routing and add static routes for both port 1 and port 3. The static route for port 3 must have the Destination/IP Mask 0.0.0.0/0.0.0.0, while port 1 is assigned the Destination/IP Mask for traffic in the local network.   Since you are not using FortiSandbox, your Security Fabric will fail the Advanced Threat Protection check and you Security Score will decrease by 30 points for each FortiGate in the Fabric. First, Carl Windsor and Brian Schwarzkopf talk about FortiMail and its features. Open FortiClient using a Windows PC on the internal network. Because the Security Fabric has not yet been enabled, the FortiView topology dashboards are not yet available.   On the FortiGate, go to Security Profiles > AntiVirus and enable Send Files to FortiSandbox for Inspection. Enable Allow Virtual Machines to access external network through outgoing port3 and set Gateway to the IP address of the FortiGate port 13. The quarantine can only be released from the FortiClient Monitor on the FortiGate. This recipe is in the Security Fabric Collection. Select Create. Also, there’s another Q&A episode in the works. In the example, all four FortiGate devices in the Security Fabric pass the Advanced Threat Protection check and the Security Rating Score increases by 9.7 points for each FortiGate. There will be two connections between the devices: FortiSandbox port 1 (administration port) connects to External port 16 FortiSandbox port 3 (VM outgoing port) connects to External port 13 Find this recipe for other FortiOS versions5.4 | 5.6 On External (the root FortiGate of the Security Fabric), go to Log & Report > Security Fabric Audit. forticloud Enable/disable FortiSandbox Cloud. By using these recipes in the listed order, you can create a network similar to the one shown above. Enable Realtime Protection and Scan with FortiSandbox. Edge, the FortiGate from the previous recipe, becomes the root FortiGate in the Security Fabric, with the other FortiGates sending their information upstream to Edge. Specify how long FortiMail should wait to retrieve some high level statistics from FortiSandbox. To add FortiSandbox to the Security Fabric, go to Security Fabric > Settings. The FortiGate sends suspicious files to the FortiSandbox. Next Sandboxing with FortiSandbox and FortiClient Previous Integrating FortiSandbox into FortiMail This recipe has moved. Decide if you want to wait for FortiSandbox results before sending files to the PC running FortiClient, or if you want downloaded files to be sent at the same time as they are being scanned by FortiSandbox. By using these recipes in the order listed, you can create a network similar to the one shown above. If you have a question, send it to forticast@fortinet.com and you might win an Amazon Echo Dot. You can also find more information about the Security Fabric at the Fortinet Document Library. Below, you will find links to a number of Cookbook recipes. It can also not be uninstalled or unregistered from the FortiGate. Source system.interface.name. Repeat this for the other FortiGates. Once the devices are installed, a security fabric is set up between them and the root FortiGate which was installed in the network previously. Parameter marked with member_path is legitimate for doing member operation.   Connect to the FortiSandbox. FortiClient cannot be shutdown on the PC. When member_state is specified, the state option is ignored. When it is finished, select the All Results view. member_state Add or delete a member under specified attribute path. Watch the video Connect the FortiSandbox to your FortiGate as shown in the diagram, so that port 1 and port 3 on the FortiSandbox are on different subnets. The Physical Topology dashboard shows all access layer devices, while the Logical Topology dashboard displays information about the interface (logical or physical) that each device is connected to. Examples include all parameters and values need to be adjusted to datasources before usage. This port is used for outgoing communication by the virtual machines (VMs) running on the FortiSandbox. On Edge, go to Security Fabric > Security Rating and run a rating. The FortiSandbox will connect to the root FortiGate in the fabric, known as External. You can view information about scanned files on either the FortiGate that sent the file or the FortiSandbox. You can also view a timeline of scanning in the File Scanning Activity widget. These dashboards display the devices that make up your cooperative security fabric. The recipe for this video is available here.   On the FortiGate, go to System > Config > FortiSandbox. system_fortisandbox email enc_algorithm Choices: default high low Configure the level of SSL protection for secure communication with FortiSandbox. Screenshots of the Security Fabric topology views are shown after most of the recipes, so you can see how the network configuration changes. To install it, use: ansible-galaxy collection install fortinet.fortios. source_ip Source IP address for communications to FortiSandbox. To create a policy that allows connections from the FortiSandbox to the Internet, go to Policy & Objects > IPv4 Policy. New in version 2.10: of fortinet.fortios This module is able to configure a FortiGate or FortiOS (FOS) device by allowing the user to set and modify system feature and fortisandbox category. interface Specify outgoing interface to reach server. In this step, you add sandbox to all FortiGate devices in the Security Fabric individually, using the profiles that each FortiGate applies to network traffic. If FortiSandbox discovers a threat, it creates a signature for that file that is added to the FortiGate’s AntiVirus signature database. If the FortiSandbox discovers a threat, the URL that threat came from is added to the list of URLs that are blocked by the FortiGate. These files will be scanned and tested in isolation from your network on the FortiSandbox . Verify that VM Internet Access has a green checkmark beside it. The FortiSandbox now appears in the FortiView topology. vdom Default: Virtual domain, among those defined previously. 2. Enter the IP of the FortiSandbox. On the FortiGate, go to Policy & Objects > IPv4 Policy and create a policy allowing connections from the FortiSandbox to the Internet (using the isolated interface on the FortiGate mentioned above). Set Gateway to the IP address of port 13 on the FortiGate. Enable Security Posture Check. Enable Realtime Protection and Scan with FortiSandbox.   Select Test Connectivity. Next Episode 39: FortiSandbox Previous FortiSandbox in the Security Fabric The Fortinet Security Fabric links various security sensors and tools together to collect, coordinate, and respond to malicious behavior, in real time, anywhere it occurs on your network. Under Inspection Options, set Send Files to FortiSandbox Appliance for Inspection to All Supported Files. If the FortiSandbox discovers a threat, the URL that threat came from will be added to the list of URLs that will be blocked by the FortiGate. Parameter Choices/Defaults Comments access_token Token-based authentication. The ISFW FortiGates (Accounting, Sales, and Marketing) are connected to the root FortiGate (Edge). Next Integrating FortiSandbox into FortiMail Previous Security Fabric collection Learn more about FortiSandbox, a key part of Fortinet’s innovative Advanced Threat Protection solution and the Fortinet Security Fabric. It is recommended to connect this port to a dedicated interface on your FortiGate (in the example, port 15), to protect the rest of the network from threats currently being investigated by the FortiSandbox.

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