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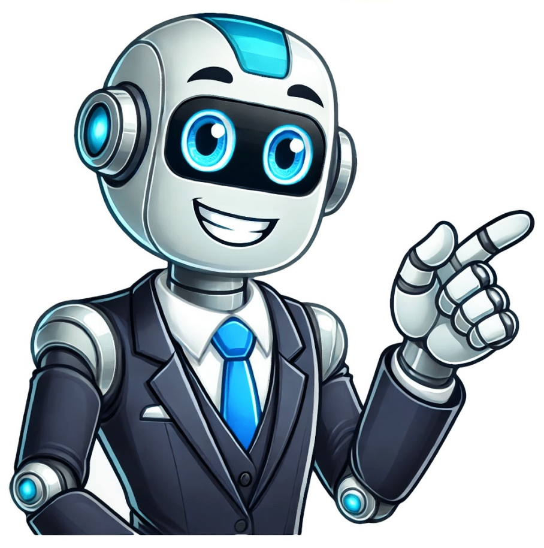

Guide مستخدم cisco asa 5506

Initial configuration for management interface IP and which subnets are allowed to manage the device can be done through CLI. For the actual access policy configuration you would need access to the GUI. I have never tried connecting a PC directly to the management interface so you might need a cross-over cable for that if you do not have a dumb switch you could use for a staging area. -- Please remember to select a correct answer and rate helpful posts --Please remember to select a correct answer and rate helpful posts View solution in original post

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Throughout my professional career in networking I was lucky to work with all Cisco firewall models and therefore I have experienced the “evolution” of every firewall product developed by Cisco. For the SMB/SOHO market, Cisco’s initial offering was the PIX 501, followed by the successful Cisco ASA 5505. The latter came to an End-of-Sale in 2014 and now the replacement low-end model is the new Cisco ASA 5506-X. One of the most popular configuration guides on this blog is this basic ASA 5505 tutorial . Since these are useful posts for many people, I’ve decided to write also a configuration tutorial for the new ASA 5506-X. I will cover two popular use cases of the 5506-X. One is a simple scenario of providing internet access to an internal LAN. The second case is more advanced and will cover two DMZ zones, one with a publicly accessible Web Server and one with a Guest WiFi Access Point. Cisco ASA 5506-X Specs and Features Before starting the discussion on how to configure the 5506, let’s first see the most important specs and features of this model. It comes in two hardware “flavors”, the normal 5506-X and also the 5506W-X which has an integrated wireless access point (a/b/g/n bands). It comes in two software license “flavors”, the Base License and the Security Plus License. 8x1GE Network Interfaces (these are routed ports, not switch ports like the previous 5505 model). 1 Management Interface (for the FirePOWER module). Performance throughput varies according to what services are enabled. 300 Mbps for only firewall services, 250 Mbps for Application Visibility and Control (AVC), 125 Mbps for Application Control (AVC) and IPS/NGIPS, 100 Mbps for VPN throughput. Max 20,000 concurrent sessions with the Base License or 50,000 with the Sec.Plus License. 5 VLANs with Base License and 30 with the Security Plus License. 10 IPSEC Site-to-Site VPNs (Base License) and 50 VPNs with Sec. Plus. Unlimited internal hosts (even with the Base License). Active/Standby high availability (only with Security Plus License). Comes with FirePOWER Services (Application Visibility and Control – AVC) which supports more than 3000 application-layer and risk-based controls. With extra subscription cost you can have also Next Generation IPS, Advanced Malware Protection and URL filtering. Note Regarding Licenses and Subscriptions: You should contact your local reseller and ask about License cost, “right-to-use” subscriptions needed etc. They made licensing too complex in my opinion so you must conduct your reseller for more details and to avoid any “surprises”. For example, Anyconnect needs extra license, IPS requires subscription etc. How to connect the ASA 5506-X in your network for Initial Configuration As you can see in the specs section above, there are 8x1G network interfaces and also one Management interface (Management 1/1) which belongs to the FirePOWER module. In order to deploy the device in your network and be able to start its initial configuration, connect it as following: NOTES: The Management 1/1 interface belongs to the separate FirePOWER module and NOT to the ASA. DO NOT configure an IP address for the Management 1/1 interface inside the ASA configuration. The default “inside” IP address for managing the ASA is 192.168.1.1 (interface GE1/2). You must configure an IP address for Management1/1 in the 192.168.1.x subnet (e.g 192.168.1.2) inside the FirePOWER module (or via the ASDM GUI as we’ll see below). You must connect both GE1/2 (inside) and Management1/1 interfaces on the same Layer2 LAN switch. The outside interface (GE1/1) must be connected to the WAN (ISP) device and will receive IP address dynamically by default (via DHCP). The quickest way to manage initially the device is using ASDM. Launch a web browser on your Management PC and go to . Select “Startup Wizard”, leave username/password fields empty and hit OK. When the wizard takes you to the FirePOWER network settings, enter IP address 192.168.1.2, Mask 255.255.255.0 and Gateway 192.168.1.1 (see below). MORE READING: Cisco ASA Firewall in Transparent Layer2 Mode After you finish the above, quit the ASDM application and then relaunch it. This time you will see new FirePOWER tabs on the GUI home page which means you can now configure also FirePOWER settings in addition to ASA settings. ASA 5506-X Basic Configuration Tutorial The ASA 5506-X has a default configuration out-of-the-box. This default configuration has the following characteristics: Internal LAN: 192.168.1.0/24 Internal LAN can access the Internet. The WAN (outside) interface (GE1/1) is configured to receive IP address from DHCP. The LAN (inside) interface (GE1/2) has IP address 192.168.1.1 DHCP is enabled for providing IP address to internal hosts. In this section we will describe how to change this default configuration to suit your network topology. We assume that you already have network connectivity (or console connectivity) to the device so that you can start configuring with Command Line Interface (CLI). This is our network topology for the basic configuration. Internal user LAN: 10.1.1.0/24 ASA inside IP: 10.1.1.1 ASA outside IP (static): 50.1.1.1 NAT: Dynamic overload (PAT) using the outside interface. Step 1: Configure the Internal LAN interface interface GigabitEthernet1/2   description LAN   nameif inside   security-level 100