Continue

دليل تكوين cisco asa 9.6.4 download

If you're using the Firepower service module then I'd recommend the latest 9.8(4) interim. The Firepower version will be limited to 6.2.3.x on these boxes since 6.3+ memory requirement exceeds the platform capability. If you are not using the Firepower service module, then I'd say go with the 9.12(3) latest interim. It's been around for a while and is gold starred for the other hardware that doesn't have the hardware limitations of the 5506-X. 9.14 is a bit new to jump on in production. Not enough field deployments to make a solid case for it's long term viability. In general, ASA even-numbered releases are long term support. Odd numbers like 9.9 are only short term and recommended only when a new feature is only available there. If you can get a couple of Firepower 2100 appliance instead those would be a better bet - either with ASA software or FTD software. The former image for labbing ASA features and the latter for better broad-spectrum protection. This document contains release information for Cisco ASA software Version 9.14(x).

ASDM signed-image support in 9.14(4.14)/7.18(1.152) and later—The ASA now validates whether the ASDM image is a Cisco digitally signed image. If you try to run an older ASDM image with an ASA version with this fix, ASDM will be blocked and the message "%ERROR: Signature not valid for file disk0:/" will be displayed at the ASA CLI. ASDM release 7.18(1.152) and later are backwards compatible with all ASA versions, even those without this fix. (CSCwb05291, CSCwb05264) No support in ASA 9.14(1)+ for cnatAddrBindNumberOfEntries and cnatAddrBindSessionCount OIDs (CSCvz22526). No support in ASA 9.13(1) and later for the ASA 5512-X, ASA 5515-X, ASA 5585-X, and the ASASM—ASA 9.12(x) is the last supported version. For the ASA 5515-X and ASA 5585-X FirePOWER module, the last supported version is 6.4. Note: ASDM 7.13(1) and ASDM 7.14(1) also did not support these models; you must upgrade to ASDM 7.13(1.101) or 7.14(1.48) to restore ASDM support. ASAv requires 2GB memory in 9.13(1) and later—Beginning with 9.13(1), the minimum requirement for the ASAv is 2GB. If your current ASAv runs with less than 2GB of memory, you cannot upgrade to 9.13(1) from an earlier version. You must adjust the memory size before upgrading. See the ASAv Getting Started Guide for information about the resource allocations (vCPU and memory) supported in version 9.13(1). Downgrade issue for the Firepower 2100 in Platform mode from 9.13/9.14 to 9.12 or earlier—For a Firepower 2100 with a fresh installation of 9.13 or 9.14 that you converted to Platform mode: If you downgrade to 9.12 or earlier, you will not be able to configure new interfaces or edit existing interfaces in FXOS (note that 9.12 and earlier only supports Platform mode). You either need to restore your version to 9.13 or later, or you need to clear your configuration using the FXOS erase configuration command. This problem does not occur if you originally upgraded to 9.13 or 9.14 from an earlier release; only fresh installations are affected, such as a new device or a re-imaged device. (CSCvr19755) Cluster control link MTU change in 9.13(1)—Starting in 9.13(1), many cluster control packets are larger than they were in previous releases. The recommended MTU for the cluster control link has always been 1600 or greater, and this value is appropriate. However, if you set the MTU to 1600 but then failed to match the MTU on connecting switches (for example, you left the MTU as 1500 on the switch), then you will start seeing the effects of this mismatch with dropped cluster control packets. Be sure to set all devices on the cluster control link to the same MTU, specifically 1600 or higher. Upgrade ROMMON for ASA 5506-X, 5508-X, and 5516-X to Version 1.1.15 or later—There is a new ROMMON version for these ASA models (May 15, 2019); we highly recommend that you upgrade to the latest version. To upgrade, see the instructions in the ASA configuration guide. Caution: The ROMMON upgrade for 1.1.15 takes twice as long as previous ROMMON versions, approximately 15 minutes. Do not power cycle the device during the upgrade. If the upgrade is not complete within 30 minutes or it fails, contact Cisco technical support; do not power cycle or reset the device. Upgrade ROMMON for the ISA 3000 to Version 1.0.5 or later—There is a new ROMMON version for the ISA 3000 (May 15, 2019); we highly recommend that you upgrade to the latest version. To upgrade, see the instructions in the ASA configuration guide. Caution: The ROMMON upgrade for 1.0.5 takes twice as long as previous ROMMON versions, approximately 15 minutes. Do not power cycle the device during the upgrade. The tls-proxy keyword, and support for SCCP/Skinny encrypted inspection, was removed from the inspect skinny command. Windows DNS Client Optimization Limitation—Because of a limitation in Windows 8 and above, we have observed that certain name resolutions, such as nslookup, fail for FQDNs by not matching any split-DNS domains. The workaround is to disable Windows DNS client optimization with the following changes: Key: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dnscache\Parameters Value:DisableParallelAandAAAA Data: 1 Key: HKEY_LOCAL_MACHINE\Software\Policies\Microsoft\Windows NT\DNSClient Value: DisableSmartNameResolution Data: 1 This section lists the system requirements to run this release. For information about ASA/ASDM software and hardware requirements and compatibility, including module compatibility, see Cisco ASA Compatibility. This section lists new features for each release. New, changed, and deprecated syslog messages are listed in the syslog message guide. There are no new features in this release. There are no new features in this release. Feature Description SNMP SNMP polling over site-to-site VPN For secure SNMP polling over a site-to-site VPN, include the IP address of the outside interface in the crypto map access-list as part of the VPN configuration. Feature Description Licensing Features ASAv100 permanent license reservation The ASAv100 now supports permanent license reservation using product ID L-ASAV100SR-K9=. Note: Not all accounts are approved for permanent license reservation. Note This release is only supported on the ASAv. Feature Description Platform Features ASAv100 platform The ASAv virtual platform has added the ASAv100, a high-end performance model that provides 20 Gbps Firewall throughput levels. The ASAv100 is a subscription-based license, available in terms of 1 year, 3 years, or 5 years. The ASAv100 is supported on VMware ESXi and KVM only. Feature Description Platform Features ASA for the Firepower 4112 We introduced the ASA for the Firepower 4112. No modified commands. Note Firewall Features Ability to see port numbers in show access-list output. The show access-list command now has the numeric keyword. You can use this to view port numbers in the access control entries rather than names, for example, 80 instead of www. The object-group icmp-type command is deprecated. Although the command remains supported in this release, the object-group icmp-type command is deprecated and might be removed in a future release. Please change all ICMP-type objects to service object groups (object-group service) and specify service icmp within the object. Kerberos Key Distribution Center (KDC) authentication. You can import a keytab file from a Kerberos Key Distribution Center (KDC), and the system can authenticate that the Kerberos server is not being spoofed before using it to authenticate users. To accomplish KDC authentication, you must set up a host/ASA hostname service principal name (SPN) on the Kerberos KDC, then export a keytab for that SPN. You then must upload the keytab to the ASA, and configure the Kerberos AAA server group to validate the KDC. New/Modified commands: aaa kerberos import-keytab , clear aaa kerberos keytab , show aaa kerberos keytab , validate-kdc . High Availability and Scalability Features Configuration sync to data units in parallel The control unit now syncs configuration changes with data units in parallel by default. Formerly, synching occurred sequentially. New/Modified commands: config-replicate-parallel Messages for cluster join failure or eviction added to show cluster history New messages were added to the show cluster history command for when a cluster unit either fails to join the cluster or leaves the cluster. New/Modified commands: show cluster history Interface Features Speed auto-negotiation can be disabled on 1GB fiber interfaces on the Firepower 1000 and 2100 You can now configure a Firepower 1100 or 2100 SFP interface to disable auto-negotiation. For 10GB interfaces, you can configure the speed down to 1GB without auto-negotiation; you cannot disable auto-negotiation for 1GB interfaces set to 10GB. New/Modified commands: negotiate-auto Administrative and Troubleshooting Features New connection-data-rate command The connection-data-rate command was introduced to provide an overview on data rate of individual connections on the ASA. When this command is enabled, per-flow data rate along with the existing connection information are provided. This information helps to identify and block unwanted connections with high data rates, thereby, ensuring an optimized CPU utilization. New/Modified commands: conn data-rate ,show conn data-rate , show conn detail , clear conn data-rate HTTPS idle timeout setting You can now set the idle timeout for all HTTPS connections to the ASA, including ASDM, WebVPN, and other clients. Formerly, using the http server idle-timeout command, you could only set the ASDM idle timeout. If you set both timeouts, the new command takes precedence. New/Modified commands: http connection idle-timeout NTPv4 support The ASA now supports NTPv4. No modified commands. New clear logging counter command The show logging command The show logging command statistics of messages logged for each logging category configured on the ASA. The clear logging counter command was introduced to clear the logged counters and statistics. New/Modified commands: clear logging counter Debug command changes for FXOS on the Firepower 1000 and 2100 in Appliance mode The debug fxos parser command has been simplified to provide commonly-used troubleshooting messages about FXOS. Other FXOS debug commands have been moved under the debug menu fxos parser command. New/Modified commands: debug fxos parser , debug menu fxos parser show tech-support command enhanced The show ssl objects and show ssl errors command was added to the output of the show tech-support command. New/Modified commands: show tech-support Also in 9.12(4). Monitoring Features Net-SNMP version 5.8 Support The ASA is using Net-SNMP, a suite of applications used to implement SNMP v1, SNMP v2c, and SNMP v3 using both IPv4 and IPv6. No modified commands. SNMP OIDs and MIBs The ASA enhances support for the CISCO-REMOTE-ACCESS-MONITOR-MIB to track rejected/failed authentications from RADIUS over SNMP. This feature implements three SNMP OIDs: crasNumTotalFailures (total failures) crasNumSetupFailInsufResources (AAA and other internal failures) crasNumAbortedSessions (aborted sessions) objects The ASA provides support for the Advanced Encryption Standard (AES) Cipher Algorithm. This feature implements the following SNMP OIDs: usmAesCfb128Protocol usmNoPrivProtocol SNMPv3 Authentication You can now use SHA-256 HMAC for user authentication. New/Modified commands: snmp-server user debug telemetry command. You can use the debug telemetry command, debug messages related to telemetry are displayed. The debug help to identify the cause for errors when generating the telemetry report. New/Modified commands: debug telemetry , show debug telemetry VPN Features DHCP Relay Server Support on VTI You can now configure DHCP relay server to forward DHCP requests through VTI tunnel interface. New/Modified commands: dhcprelay server IKEv2 Support for Multiple Peer Crypto Map You can now configure IKEv2 with multi-peer crypto map—when a peer in a tunnel goes down, IKEv2 attempts to establish the SA with the next peer in the list. No modified commands. Username Options for Multiple Certificate Authentication In multiple certificate authentication, you can now specify from which certificate, first (machine certificate) or second (user certificate), you want the attributes to be used for aaa authentication. New/Modified commands: username-from-certificate-choice, secondary-username-from-certificate-choice This section provides the upgrade path information and a link to complete your upgrade. To view your current version and model, use one of the following methods: ASDM: Choose . CLI: Use the show version command. This table provides upgrade paths for ASA. Some older versions require an intermediate upgrade before you can upgrade to a newer version. Recommended versions are in bold. Note Be sure to check the upgrade guidelines for each release before you upgrade your version. You may need to change your configuration before upgrading in some cases, or else you could experience an outage. Note For guidance on security issues on the ASA, and which releases contain fixes for each issue, see the ASA Security Advisories. Note ASA 9.12(x) was the final version for the ASA 5512-X, 5515-X, 5585-X, and ASASM. ASA 9.2(x) was the final version for the ASA 5505. ASA 9.1(x) was the final version for the ASA 5510, 5520, 5540, 5550, and 5580. Current Version Interim Upgrade Version Target Version 9.13(x) – Any of the following: = 9.14(x) 9.12(x) – Any of the following: = 9.14(x) 9.12(x) 9.8(x) – Any of the following: = 9.14(x) 9.12(x) 9.10(x) – Any of the following: = 9.14(x) 9.12(x) 9.9(x) – Any of the following: = 9.14(x) → 9.12(x) 9.8(x) → Any of the following: = 9.14(x) → 9.12(x) 9.7(x) – Any of the following: = 9.14(x) → 9.12(x) 9.6(x) – Any of the following: = 9.14(x) → 9.12(x) 9.5(x) – Any of the following: = 9.14(x) → 9.12(x) 9.8(x) 9.4(x) – Any of the following: = 9.14(x) → 9.12(x) 9.8(x) 9.3(x) – Any of the following: 9.14(x) → 9.12(x) 9.2(x) → 9.8(x) → 9.12(x) 9.13(1), 9.13(x), 9.1(6), or 9.1(7.4) – Any of the following: = 9.14(x) → 9.12(x) → 9.8(x) → 9.1(7.4) 9.0(1), 9.0(2), 9.0(3), or 9.0(4) Any of the following: = 9.14(x) → 9.12(x) → 9.8(x) → 9.1(7.4) 9.6(x) → 9.1(7.4) 9.0(1) → 9.0(4) Any of the following: = 9.14(x) → 9.12(x) → 9.8(x) → 9.1(7.4) 8.6(1) → 9.0(4) Any of the following: = 9.12(x) → 9.8(x) → 9.1(7.4) 8.4(5) – Any of the following: = 9.12(x) → 9.8(x) → 9.1(7.4) 8.4(1) through 8.4(4) – 9.0(4) Any of the following: = 9.12(x) → 9.8(x) → 9.1(7.4) 8.3(x) → 9.0(4) Any of the following: 9.12(x) → 9.8(x) → 9.1(7.4) 8.2(x) and earlier → 9.0(4) Any of the following: = 9.12(x) → 9.8(x) → 9.1(7.4) To complete your upgrade, see the ASA upgrade guide. The open and resolved bugs for this release are accessible through the Cisco Bug Search Tool. This web-based tool provides you with access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in this product and other Cisco hardware and software products. Note You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. If you do not have one, you can register for an account. If you do not have one, you can look up bugs by ID; you cannot run searches. For more information about the Cisco Bug Search Tool, see the Bug Search Tool Help & FAQ. The following table lists select open bugs at the time of this Release Note publication.

N N N N N N 2.6.29.6 2.3.2 dlmalloc 2.8.3 30-09-2013 asa843-9-smp-k8.bin.extracted 043 13.6-04-2010 asa831-02-smp-k8.bin.extracted 045 N N N N N 2.6.29.6 2.3.2 dlmalloc 2.8.3 30-09-2013 asa843-9-smp-k8.bin 095 9.1.2 32 N N N N N N 2.6.29.6 2.3.2 dlmalloc 2.8.3 13-03-2013 asa912-smp-k8.bin

2.8.3 16-09-2013 asa913-k8.bin 098 9.1.3 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 16-09-2013 asa913-smp-k8.bin 099 9.1.4 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 05-12-2013 asa914-k8.bin 100 9.1.4 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 21-02-2014 asa914-5-k8.bin 102 9.1.5 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 27-03-2014 asa915-k8.bin 103 9.1.5 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 27-03-2014 asa915-smp-k8.bin 104 9.1.5.12 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 20-08-2014 asa915-12-k8.bin 105 9.1.5.16 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 06-10-2014 asa915-16-k8.bin 106 9.1.5.19 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 23-10-2014 asa915-19-k8.bin 107 9.1.5.21 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 12-12-2014 asa915-21-k8.bin 108 9.1.6 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 27-02-2015 asa916-k8.bin 109 9.1.6 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 27-02-2015 asa916-smp-k8.bin 110 9.1.6.10 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 11-09-2015 asa916-10-k8.bin 111 9.1.6.11 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 15-02-2016 asa916-11-k8.bin 112 9.1.6.4 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 07-05-2015 asa916-4-k8.bin 113 9.1.6.6 64 N N N N N N N N ? 2.9 dlmalloc 2.8.3 03-06-2015 asa916-6-k8.bin 114 9.1.6.6 32 N N N N N N N N ? 2.9 dlmalloc 2.8.3 03-06-2015 asa916-6-k8.bin 115 9.1.7 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 14-01-2016 asa917-k8.bin 116 9.1.7.12 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 08-12-2016 asa917-12-k8.bin 117 9.1.7.13 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 04-01-2017 asa917-13-k8.bin 118 9.1.7.19 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 11-08-2017 asa917-19-smp-k8.bin 119 9.1.7.20 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 02-11-2017 asa917-20-smp-k8.bin 120 9.1.7.20 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 02-11-2017 asa917-20-k8.bin 121 9.1.7.21 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 19-12-2017 asa917-21-k8.bin 122 9.1.7.21 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 19-12-2017 asa917-21-smp-k8.bin 123 9.1.7.23 64 N N N N N N N N ? 2.9 dlmalloc 2.8.3 01-02-2018 asa917-23-smp-k8.bin 124 9.1.7.23 32 N N N N N N N N ? 2.9 dlmalloc 2.8.3 01-02-2018 asa917-23-k8.bin 125 9.1.7.25 64 N N N N N N N N ? 2.9 dlmalloc 2.8.3 06-03-2018 asa917-25-smp-k8.bin 126 9.1.7.25 32 N N N N N N N N ? 2.9 dlmalloc 2.8.3 06-03-2018 asa917-25-k8.bin 127 9.1.7.4 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 19-02-2016 asa917-4-k8.bin 128 9.1.7.6 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 05-04-2016 asa917-6-k8.bin 129 9.1.7.9 32 N N N N N N N N ? 2.9 dlmalloc 2.8.3 18-03-2016 asa917-9-k8.bin 130 9.2.1 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 24-04-2014 asa921-k8.bin 131 9.2.1 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 24-04-2014 asa921-smp-k8.bin 132 9.2.2 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 26-06-2014 asa922-k8.bin 133 9.2.2 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 26-06-2014 asa922-smp-k8.bin 134 9.2.2.4 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 29-07-2014 asa922-4-k8.bin 135 9.2.2.4 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 29-07-2014 asa922-4-smp-k8.bin 136 9.2.3 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 15-12-2014 asa923-k8.bin 137 9.2.3 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 15-12-2014 asa923-smp-k8.bin 138 9.2.4 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 14-07-2015 asa924-k8.bin 139 9.2.4 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 14-07-2015 asa924-smp-k8.bin 140 9.2.4.10 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 19-04-2016 asa924-10-k8.bin 141 9.2.4.13 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 22-06-2016 asa924-13-smp-k8.bin 142 9.2.4.14 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 18-08-2016 asa924-14-k8.bin 143 9.2.4.18 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 27-10-2016 asa924-18-k8.bin 144 9.2.4.18 64 N N N N N N N N ? 2.9 dlmalloc 2.8.3 27-10-2016 asa924-18-smp-k8.bin 145 9.2.4.24 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 13-09-2017 asa924-24-k8.bin 146 9.2.4.24 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 13-09-2017 asa924-24-smp-k8.bin 147 9.2.4.25 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 14-12-2017 asa924-25-k8.bin 148 9.2.4.25 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 14-12-2017 asa924-25-smp-k8.bin 149 9.2.4.27 32 N N N N N N N N ? 2.9 dlmalloc 2.8.3 02-02-2018 asa924-27-k8.bin 150 9.2.4.27 64 N N N N N N N N ? 2.9 dlmalloc 2.8.3 02-02-2018 asa924-27-smp-k8.bin 151 9.2.4.28 32 N N N N N N N N ? 2.9 dlmalloc 2.8.3 06-03-2018 asa924-28-k8.bin 152 9.2.4.5 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 21-12-2015 asa924-5-k8.bin 153 9.2.4.5 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 21-12-2015 asa924-5-smp-k8.bin 154 9.2.4.8 32 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 24-02-2016 asa924-8-k8.bin 155 9.2.4.8 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 24-02-2016 asa924-8-smp-k8.bin 156 9.3.1 64 N N N N N N N N 2.6.29.6 2.9 dlmalloc 2.8.3 23-07-2014 asa931-smp-k8.bin 157 9.3.2 64 N N N N N N N N 3.10.19 2.18 ptmalloc 2.x 16-12-2014 asa932-smp-k8.bin 158 9.3.2.200 64 N N N N N N N N 3.10.19 2.18 ptmalloc 2.x 18-12-2014 asa932-200-smp-k8.bin 159 9.3.2.200 64 N N N N N N N N 3.10.19 2.18 ptmalloc 2.x 18-12-2014 asa932-200.qcow2 160 9.3.3 64 N N N N N N N N 3.10.19 2.18 ptmalloc 2.x ? asa933-7-smp-k8.bin 161 9.3.3.10 64 N Y N N N N N N 3.10.19 2.18 ptmalloc 2.x 18-08-2016 asa933-10.qcow2 162 9.3.3.11 64 N Y N N N N N N 3.10.19 2.18 ptmalloc 2.x 09-09-2016 asa933-11-smp-k8.bin 163 9.3.3.11 64 N Y N N N N N N 3.10.19 2.18 ptmalloc 2.x 09-09-2016 asav933-11.qcow2 164 9.3.3.7 64 N N N N N N N N 3.10.19 2.18 ptmalloc 2.x 21-12-2015 asa933-7-smp-k8.bin 165 9.3.3.9 64 N Y N N N N N N 3.10.19 2.18 ptmalloc 2.x 26-02-2016 asa933-9-smp-k8.bin 166 9.3.3.9 64 N Y N N N N N N 3.10.19 2.18 ptmalloc 2.x 26-02-2016 asav933-9.qcow2 167 9.4.1 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 21-03-2015 asa941-smp-k8.bin 168 9.4.1 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 21-03-2015 asav941-200.qcow2 169 9.4.1.13 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 03-08-2016 asa941-13-smp-k8.bin 170 9.4.1.13 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 03-08-2016 asav941-13.qcow2 171 9.4.1.200 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 11-05-2015 asav941-200.qcow2 172 9.4.1.6 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 16-10-2015 asav941-6.qcow2 173 9.4.2.6 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 23-09-2015 asa942-smp-k8.bin 174 9.4.2.6 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 23-09-2015 asav942.qcow2 175 9.4.2.11 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 22-02-2016 asa942-11-smp-k8.bin 176 9.4.2.6 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 27-01-2016 asa942-6-smp-k8.bin 177 9.4.2.6 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 27-01-2016 asav942-6.qcow2 178 9.4.3 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 24-04-2016 asa943-smp-k8.bin 179 9.4.3.12 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 20-10-2016 asa943-12-smp-k8.bin 180 9.4.4 64 N N N N N N N N 3.10.55 2.18 ptmalloc 2.x 06-01-2017 asa944-smp-k8.bin 181 9.4.4.10 64 N Y N N N N N N ? 2.18 ptmalloc 2.x 16-08-2017 asa944-10-smp-k8.bin 182 9.4.4.12 64 N Y N N N N N N ? 2.18 ptmalloc 2.x 14-09-2017 asa944-12-smp-k8.bin 183 9.4.4.13 64 N Y N N N N N N 3.10.55 2.18 ptmalloc 2.x 12-10-2017 asa944-13-smp-k8.bin 184 9.4.4.14 64 N Y N N N N N N 3.10.55 2.18 ptmalloc 2.x 28-11-2017 asa944-14-smp-k8.bin 185 9.4.4.16 64 N Y N N N N N N ? 2.18 ptmalloc 2.x 02-02-2018 asa944-16-smp-k8.bin 186 9.4.4.17 64 N Y N N N N N N ? 2.18 ptmalloc 2.x 06-02-2018 asa944-17-smp-k8.bin 187 9.4.4.18 64 N Y N N N N N N ? 2.18 ptmalloc 2.x 29-03-2018 asa944-18-smp-k8.bin 188 9.4.4.6 64 N Y N N N N N N ? 2.18 ptmalloc 2.x 27-04-2017 asa944-6-smp-k8.bin 189 9.4.4.8 64 N Y N N N N N N ? 2.18 ptmalloc 2.x 16-07-2017 asa944-8-smp-k8.bin 190 9.5.1 64 Y N Y N N N N N 3.10.62 2.18 ptmalloc 2.x 12-08-2015 asa951-smp-k8.bin 191 9.5.2 64 Y N Y N N N N N 3.10.62 2.18 ptmalloc 2.x 28-11-2015 asa952-smp-k8.bin 192 9.5.2.2 64 Y N Y N N N N N ? 2.18 ptmalloc 2.x 22-12-2015 asa952-2-smp-k8.bin 193 9.5.2.204 64 Y N Y N N N N N 3.10.62 2.18 ptmalloc 2.x 15-02-2016 asav952-204.qcow2 194 9.5.2.6 64 Y Y Y N N N Y N ? 2.18 ptmalloc 2.x 04-03-2016 asa952-6-smp-k8.bin 195 9.5.3 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 30-08-2016 asa953-smp-k8.bin 196 9.6.1 64 Y Y Y N N Y Y N 3.10.62 2.18 ptmalloc 2.x 18-03-2016 asa961-smp-k8.bin 197 9.6.1 64 Y Y Y N N Y Y N 3.10.62 2.18 ptmalloc 2.x 07-10-2016 asav961.qcow2 198 9.6.1.10 64 Y Y Y N N Y Y N 3.10.62 2.18 ptmalloc 2.x 09-08-2016 asa961-10-smp-k8.bin 199 9.6.2 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 23-08-2016 asa962-smp-k8.bin 200 9.6.2 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 23-08-2016 asav962.qcow2 201 9.6.2.2 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 07-10-2016 asav962-2.qcow2 202 9.6.2.3 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 26-10-2016 asa962-3-smp-k8.bin 203 9.6.2.7 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x-7.qcow2 204 9.6.3.17 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 16-10-2017 asa963-17-smp-k8.bin 205 9.6.3.20 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 17-11-2017 asa963-20-smp-k8.bin 206 9.6.4 64 Y Y Y N N N Y N 3.10.62 2.18 ptmalloc 2.x 13-12-2017 asa964-smp-k8.bin 207 9.6.4.3 64 Y Y Y N N N Y N ? 2.18 ptmalloc 2.x 02-02-2018 asa964-3-smp-k8.bin 208 9.6.4.8 64 Y Y Y N N N Y N ? 2.18 ptmalloc 2.x 11-04-2018 asa964-8-smp-k8.bin 209 9.7.1 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 16-01-2017 asa971-smp-k8.bin 210 9.7.1 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 16-01-2017 asav971.qcow2 211 9.7.1.15 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 29-08-2017 asa971-15-smp-k8.bin 212 9.7.1.16 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 19-10-2017 asa971-16-smp-k8.bin 213 9.7.1.21 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 02-02-2018 asa971-21-smp-k8.bin 214 9.7.1.4 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 31-03-2017 asa971-4-smp-k8.bin 215 9.8.1 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 10-05-2017 asa981-smp-k8.bin 216 9.8.1.5 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 23-06-2017 asav981-5.qcow2 217 9.8.1.7 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 28-07-2017 asa981-7-smp-k8.bin 218 9.8.2 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 27-08-2017 asa982-smp-k8.bin 219 9.8.2.14 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 06-11-2017 asa982-14-smp-k8.bin 220 9.8.2.15 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 10-11-2017 asa982-15-smp-k8.bin 221 9.8.2.17 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 04-01-2018 asa982-17-smp-k8.bin 222 9.8.2.20 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 02-02-2018 asa982-20-smp-k8.bin 223 9.8.2.24 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 01-03-2018 asa982-24-smp-k8.bin 224 9.8.2.26 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 14-03-2018 asa982-26-smp-k8.bin 225 9.8.2.28 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 05-04-2018 asa982-28-smp-k8.bin 226 9.8.2.33 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 04-05-2018 asa982-33-smp-k8.bin 227 9.8.2.8 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 05-10-2017 asa982-8-smp-k8.bin 228 9.9.1 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 30-11-2017 asav991.qcow2 229 9.9.1 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 30-11-2017 asav991.qcow2 230 9.9.1.2 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 02-02-2018 asa991-2-smp-k8.bin 231 9.9.1.3 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 06-02-2018 asa991-3-smp-k8.bin 232 9.9.2 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 25-03-2018 asav992.qcow2 233 9.9.2 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 25-03-2018 asav992-smp-k8.bin 234 9.9.2.1 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 05-04-2018 asav992-1.qcow2 235 9.9.2.1 64 Y Y Y N N N N N ? 2.18 ptmalloc 2.x 05-04-2018 asa992-1-smp-k8.bin 236 9.9.2.14 64 Y Y Y N N N N N 3.10.62 2.18 ptmalloc 2.x 12-07-2018 asav992-14.qcow2 ID Version Arch ASLR NX PIE Can RELRO Sym Strip Linux Glibc Heap allocator Build date Firmware To our knowledge there isn't any summary of ASA branches being End-of-life (EOL) though an official list of EOL devices is here. Feel free to contact us if we are missing something. However, it is possible to use the Cisco ASA advisories here to deduce branch EOL status. Last update of this table is July 2017. Cisco ASA Branch Latest Update End-of-life? Notes 7.2