



Secure Router 4134/2330

Software Release 10.3.4.15 Release Notes

1. Release Summary

Release Date: October 22, 2013

Purpose: Software maintenance release to address customer specific issues, primarily related to phone VPN client operational and scaling issues. Any customer supporting Contivity™ clients, either pc client or phone VPN termination, should upgrade to this release.

2. Notes for Upgrade

Please refer to the configuration guide, "Commissioning the Avaya Secure Router 4134 and 2330", release version 10.3, available at:

<http://www.avaya.com/support>

for details on how to upgrade your Secure Router unit.

File Names for This Release

Description	File Size	Image Version	Boot Rom Version	File Name
Secure Router 4134 Application Image	29,474,823	10.3.4.15	62	SR4134.Z
Secure Router 2330 Application Image	30,528,632	10.3.4.15	52	SR2330.Z

3. Version of Previous Release

Software Version 10.3.4

4. Compatibility

Compatibility and operational issues exist with the IPsec VPN client in Avaya 11xx Unistim phone firmware prior to 062xC8Q. Customers terminating Avaya 11xx IPsec phone VPNs should upgrade phones to firmware version 062xC8Q or later.

5. New Features in R10.3.4.15

None.

6. Problems Resolved since the 10.3.4 Release

Bug Reference	Description
WI00989237	<i>SR4134 running 10.3.2 is coring in RxPoll</i> Under high traffic volume with mixed size packets, for both IPIP and GRE tunnel packets, the outer IP header could be overwritten with the header values of another tunnel packet. This could cause mis-delivery of packets and buffer corruption resulting in system crashes.
WI01074647	<i>Lot of drops on SR2330 during IPSEC decryption when there is NAT in the middle</i> This problem was specific to the SR2330. A rule programmed into the ethernet fabric chip has been removed. IPsec tunnel packets where NAT had been detected (and thus triggered NAT traversal UDP encapsulation) were being re-directed through the chip management interface rather than the normal packet delivery to the CPU.
WI01092498	<i>VPN clients unable to connect intermittently after some time</i> This was the result of multiple issues with Contivity™ client compatibility. IKE SA's were not properly removed if a client delete notify wasn't received. Keepalive timeout didn't remove the SA. Additionally, if the address pool was exhausted, the IKE SA would not be deleted even though the client couldn't be provisioned.
WI01094132	<i>Crash when rxPoll looking at cache and OSPF updating cache</i> An OSPF update flood could cause a race condition, memory corruption, and a stack overflow, resulting in a crash with no crash dump. Stack has been extended, race condition and memory corruption have been fixed.
WI01095185	<i>IKE crash in SADFindNatDetection()</i> Race condition with a large number of VPN clients was causing a crash. Multiple race conditions and other scaling issue fixed in the Contivity™ VPN server code.
WI01101567	<i>SR 2330: 1140 phone getting dropped from VPN connection</i> Related to WI01114086.
WI01107703	<i>IPSR suspended resulting in crash</i> Related to WI01095185
WI01114086	<i>IKE SA's not deleted leading to stale IKE SA's building up towards max connection count</i> Contivity™ phone clients would disconnect ungracefully, resulting in stale IKE SA's. SA's were not deleted by keepalive timeout, leading to stale SA buildup.

7. Outstanding Issues

N/A

8. Known Limitations

N/A

9. Documentation Corrections

N/A

10. Additional Notes

The IKE NAT ALG(application level gateway) was always enabled in prior releases. This caused a number of issues with IKE NAT Traversal. The IKE NAT ALG is now enabled and disabled by the enable for the IKE

firewall ALG, under the global firewall configuration. Both the Firewall and NAT ALGs are disabled by default and enabled or disabled in unison by this one control.

Avaya recommends that the maximum active encrypted VPN sessions with the Secure Router 4134 do not exceed 300. You can configure up to 1000 encrypted VPN sessions.

The Secure Router 2330 maximum active encrypted VPN sessions is 100.

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