

Juniper Networks NetScreen Secure Access Release Notes

IVE Platform version 5.2R6.1 Build # 11167

This is an incremental release notes describing the changes made in 5.2R6.1. The 5.2R1 GA release notes still apply except for the changes mentioned in this document. Please refer to 5.2R1 GA release notes for the complete version.

Security Update in 5.2R6.1 Release

The OpenSSL software was patched due to the following vulnerability: "RSA Signature Forgery (CVE-2006-4339)". Further detail on the vulnerability is available at http://www.openssl.org/news/secadv_20060905.txt.

Security Update in 5.2R6 Release

Juniper Networks discovered security vulnerabilities in the IVE Active X installer, Java installer, and adaptive delivery mechanisms. In order to address these vulnerabilities, we fixed defects that could have enabled buffer overrun attacks.

As part of these fixes, we now prevent users from using "unpatched" versions of the product after signing into a "patched" version of the product. For example, a user may sign into patched version of the IVE appliance from a Java-based browser such as Safari or Firefox. The IVE gateway may then use the Java installer to download a patched version of the IVE client to the user's computer. If that user later tries to sign into an older version of the IVE gateway that is not running patched software, the user's access will be blocked.

Please note that in the following scenarios, the users cannot be automatically updated to the secure version:

- The user stopped using the IVE and does not access a patched version.
- The user stopped using client-side components.
- The user does not have the Juniper Installer Service and is unprivileged.

Known Issues/Limitations Fixed in 5.2R6 Release

1. AAA - IVE Host file is now used for NBNS queries(34110)

2. AAA - Fixed an issue with LDAP, "chasing of referrals".
(35860)
3. AAA - Resolved a timing issue with CC. (37134)
4. AAA - Resolved some issues when downloading CRLS from specific authentication servers. (37650)
5. AAA - User should go back to login page on time-out and continues where the user was after authentication. (37462)
6. AAA - Custom sign in page performance improvements. (34649)
7. AAA - HC delivery no longer falls back to Java delivery even if Active-X is enabled on browser of a win XP SP2 machine (37408)
8. AAA - Fixed an issue with Host Checker where the program had trouble loading when PAC and static proxy are both configured. (38530)
9. AAA - Fixed a rare issue where Host Checker did not load properly with Firefox with a custom UI. (38434)
10. AAA - Resolved an issue with HC on Linux when proxy is enabled for the client machine. (37398)
11. AAA - Upgraded the IVE OPSWAT SDK to 2.2.4 (38019)
12. AAA - Fixed an issue with Host Checker when MD5 Checksum is provided for a process. (36878)
13. AAA - Resolved an issue with HC installation via ActiveX on a vanilla machine. (37407)
14. AAA - Novell eDirectory users can reset their password from IVE after it got expired.
(37093)
15. AAA - Removed the 'TEMPVALUE' from the session table to prevent log in issues (37839)
16. AAA - Made a change to prevent sign in dereferencing (37854)
17. CIFS - Fixed an issue with browsing and book marking of file shares when the shares are hidden with restrictions. (37692)
18. CIFS - The date and time of the downloaded files via zip file will be shown correctly. (37332)
19. CIFS - All files/folders are displayed from a Windows 2000 share (38690)
20. CIFS - File sharing upload UI won't display too many backslashes.
(38383)
21. CS JSAM - IVE now closes backend JSAM sessions if the backend resource fails to respond. (38786)

22. CS NC - Fixed an issue when a user connects to the IVE using a proxy server with its hostname and if this hostname cannot be resolved by the IVE's DNS server, applications using winInet API (including HC) failed. (38484)
23. CS NC - Resolved an issue with NC when setting exceptions in LAN setting (37808)
24. CS NC - Resolved an issue with NC and client side proxy. (38706)
25. CS NC - Resolved a display issue involving NC when it is invoked via a proxy. (39182)
26. CS NC - Now NC supports tabs, spaces and new line characters in proxy exception entries. (39269)
27. CS NC - Resolved an issue with NC UI, where signing out of NC does not end IVE session. (38161)
28. CS NC - Enhanced NC so that browsers' proxy settings are restored even when NC is exited through system shutdown. (36272)
29. CS NC - FTP Client not working when internal proxy PAC file is used (39176)
30. CS NC - Resolved a connection issue with NC when using a PAC file on WIN2K machines. (39133)
31. CS NC - Resolved a NC application issue when using PCMCIA Card Merlin U530 3G/GPRS (38441)
32. CS WSAM - Resolved a WSAM issue with SQL plus (38116)
33. Logging - Fixed an issue with log entries of usernames in the IVE User Access Logs. (37280)
34. System - IVE NTP updates correctly regardless of the setting (36459)
35. System - Enhanced User Session Algorithm. (39377)
36. UI - IVE now supports large personal greetings. (37569)
37. Web - ActiveX from MS certificate server no longer causes an error on a client PC. (15798)
38. Web - Footer of IVE portal won't display the IVE HW ID, when authenticating to a back end server via the rewriter. (38393)
39. Web - Enhanced flash rewrite capabilities. (38115)
40. Web - Flash files that are opened by LoadMovie() method can be played now. (37681)
41. Web - Enhanced toolbar support on XML/XSL on Firefox. (37762)

42. Web - Java rewrite performance upgrade. (35122)
43. Web - Added some memory optimization in java server. (28961)
44. Web - Fixed an issue with rewriter and a Java based HP application. (37974)
45. Web - Resolved some rewrite issues to further support OpenHR application(31105)
46. Web - Resolved an issue in rewriting of specific applications. (37392)
47. Web - Enhanced the performance of Citrix when used through Hosted Java Applet. (37929)
48. Web - Enhanced rewriter capabilities to fix problems seen in a customer's web portal. (37534)
49. Web - Fixed a rewrite issue with some flash content. (37972)
50. Web - 2 SMSESSION cookies are no longer being sent to the user's browser. (37324)
51. Web - Fixed problems when using PeopleSoft web application. (38677)
52. Web - Improved memory utilization when using rewrite filters. (35578)
53. Web - Added rewrite support for Lotus Domino 5.11. (37370)
54. Web - Fixed an issue where the IVE was not timing out connections for backend SSL connections correctly. (37082)
55. Web - Enhanced Siebel 7.7 support for the rewriter. (37601)
56. Web - Rewriter improvements (38263)
57. Win Term Svcs - Terminal Session bookmarks no longer show in alphabetical order and now are displayed in the way the administrator sorts them. (37524)
58. Win Term Svcs - Resolved an issue with Terminal Services, when an ICA file containing full screen option is used. (37633)
59. Win Term Svcs - WTS does not need a manual close (37471)
60. Win Term Svcs - Text in Terminal Server Screens won't be Fuzzy/blurred when signing in with single sign on credentials. (36640)
61. Win Term Svcs - WTS ICA session negotiation against HttpBrowserAddress field no longer causes ICA session issues. (37631)

Known Issues/Limitations Fixed in 5.2R5 Release

1. AAA - Fixed some minor flaws in CC dynamic policy re-evaluation. (36858)
2. AAA - Fixed an issue with HC/CC and Custom Sign-In pages. (36760)
3. AAA - Fixed an issue where administrators were unable to add Mac and/or Linux rules after creating a HC policy with only Windows rules. (32820)
4. AAA - Fixed a problem where HC was using excess memory. (37129)
5. AAA - Fixed an issue where HC did not accept blanks in HC registry settings. (36729)
6. AAA - HC no longer receives an application error and windows error (38072)
7. AAA - Administrators can now configure an LDAP server with no base dn on the IVE. (36851)
8. AAA - The server no longer has an internal error (37322)
9. AAA - Fixed an issue where users were unable to change passwords using LDAP and LDAPS. (36311)
10. AAA - IVE no longer sends FORMCRED cookie in the request body instead of http header (36432)
11. AAA - Fixed an issue where an administrator was unable to use Netegrity Siteminder as authorization. (36660)
12. AAA - Added an option for administrators to enable/disable the duplicate login warning for users. (37184)
13. AAA - Resolved a minor issue when the IVE provides a sign in page instead of duplicate login warning page (37130)
14. AAA - Passwords changed from IVE are now changed on AD (36536)
15. AAA - Fixed an issue with auto-allow applications in JSAM. (30267)
16. AAA - Usernames are no longer case sensitive when they are looked up in the session table to see if the session is still valid. (36520)
17. CIFS - Saving a windows file sharing policy with no changes now prompts the correct administrative message. (37417)
18. CS JSAM - Fixed an issue where JSAM, WSAM, NC, HC, and CC were not halting when anonymous users log out. (36803)

19. CS NC - Added support to launch NC even if some variable values are NULL. (36880)
20. CS NC - Fixed an issue where the NC option of DNS search order was not functioning properly. (35781)
21. CS NC - Proxy setting does not restore on IE when shutting down the PC (36272)
22. CS NC - Fixed a minor issue that occurred when launching NC with PAC file (37706)
23. CS NC - NC issue when launched using dialup with proxy setting is now resolved (37687)
24. CS NC - Resolved an issue with NC when setting exceptions in LAN setting (37808)
25. CS NC - PAC file is now reflected using dialup connection when NC has proxy setting (37683)
26. CS NC - NC issue when using proxy on dialup connection is now resolved (37680)
27. CS NC - Fixed an issue with NC running on Macintosh if the client is on the same subnet as the split tunneling network defined by the IVE. (36625)
28. CS NC - Network Connect now supports transfer of more than 1 GB of data. (36144)
29. CS NC - IVE DNS is now working after client DNS search fails (37120)
30. CS NC - Fixed an issue where role name change does not reflect in NC packet logging until services are restarted. (36067)
31. CS NC - Network Connect: Modifying Network Connect profiles wipes multiple search domains* (36862)
32. CS WSAM - Resolved some issues in implementing MD5 Hash value against a WSAM application (36849)
33. CS WSAM - Auto launching WSAM coupled with launching NC will not cause HC to time out within 15 minutes. (36644)
34. Logging - Some log messages related to site minder now have correct IP addresses. (35544)
35. Meeting Series - Fixed an issue where a few administrators and users were seeing a problem with Meeting. (36860)
36. Meeting Series - Resolved an issue with the display of time in the Secure Meeting email invite, when the time zone of the system is

changed. (36049)

37. Secure Terminal - Add Terminal Services Session in Firefox no longer misses the port number (36522)

38. SysMgmt - Enhanced push configuration (32488)

39. SysMgmt - Enhanced XML export to function better under all cases. (36835)

40. System - Fixed an issue where the browser title gets garbled when a Japanese page is added as a bookmark. (36515)

41. System - When no DNS is defined on the IVE, the IVE Hosts is now checked (36936)

42. System - Fixed an issue with DNS resolution after the system's IP address is changed. (36158)

43. System - [ActiveX Exploit] ProductName parameter has a buffer overrun in JuniperSetup.cab* (36441)

44. UI - Fixed an issue where editing a field in the admin UI was not yielding expected results. (36987)

45. UI - Display a more appropriate message when warning password expiration to German users. (36073)

46. Web-PTP - Importing Pass through proxy configuration now gives correct results. (36939)

47. Web - Enhanced the flash rewrite capabilities. (36918)

48. Web - Added further rewrite support for flash. (35193)

49. Web - Added further rewrite support for flash. (36549)

50. Web - Improved Java applet rewriting capabilities. (36882)

51. Web - Enhanced rewrite support for a web application. (36853)

52. Web - Resolved some logging issues when the CPU is very high (37628)

53. Web - Fixed an issue with applet rewriting where some users were unable to use a tool. (36363)

54. Web - Enhanced Java rewriting features (37069)

55. Web - Rewrite - Fixed issues with the SAS Portal application. (36802)

56. Web - Fixed a JavaScript rewrite issue for a web application. (37390)

57. Web - Fixed a rewrite issue with a web application. (36555)
58. Web - Enhanced rewrite support for a web application. (20248)
59. Web - Java Applet now functional with iRoam Connected Application (36935)
60. Web - Enhancements to better protect read boundaries. (36113)
61. Web - Enhanced rewrite capability to handle many more applications. (36751)
62. Web - Fixed a rewrite issue where a web application was not functioning properly. (35825)
63. Web - Removed extraneous log messages. (36931)
64. Web - Issue with "browser request follow through" option enabled is now resolved. (37188)
65. Web - Added rewrite support for a web application. (37152)
66. Web - Rewrite - Fixed a tool bar issue with the Online Adjustment web portal. (36504)
67. Web - Fixed a rewrite issue where a text area was not being resized correctly. (35716)
68. Web - Fixed an issue where the IE status bar was not always showing the IVE name when a page had metafresh. (26594)
69. Web - Added support for rewriting URL's that start their query string with '&'. (37457)
70. Web - Resolved an issue with rewriting of VBScript and JavaScript. (36409)
71. Web - Visual Basic Script rewriting enhancements. (36564)
72. Win Term Svcs - Limited XP users can fully install TS (36829)
73. Win Term Svcs - Fixed an issue with playing files through Media Player through Windows Terminal Services. (36098)
74. Win Term Svcs - WTS does not need a manual close (37471)
75. Win Term Svcs - Resolved inconsistencies in RDP terminal sessions when std ports are not used (37170)

Known Issues/Limitations 5.2r5 Release

1. Failed login message for System Local doesn't have source IP address (38246)

2. User credentials not present for SAML server login messages (38245)
3. User credentials not present for Netegrity server login messages. (38244)
4. User credentials not present for various AAA server login messages. (38243)

Known Issues/Limitations Fixed in 5.2R4.1 Release

The following list enumerates known issues which were fixed in this release:

1. Security - Fixed a security issue with one of the parameters of our ActiveX. (36441)

Known Issues/Limitations Fixed in 5.2R4 Release

The following list enumerates known issues which were fixed in this release:

1. AAA - Fixed an issue where if a user cancels Java delivery of CC, the user was unable to download the ActiveX and sign in. (35766)
2. AAA - Certificates - Fixes CRLs from client certificates when using DN style CDP (32275)
3. AAA - Fixed an issue with SHIFT in the custom sign-in page example, kiosk.zip. (35055)
4. AAA - Custom Sign-in Pages - Virtual Keyboard buttons are no longer highlighted after they are pressed. (24186)
5. AAA - Admin UI - Displays a warning to the administrator when a custom URL is addressed to a custom sign in page. (30154)
6. AAA - HC fully will not fully install if some files are missing (32969)
7. AAA - Show a helpful error message when IE settings do not allow users to download ActiveX or use Sun JVM. (32969)
8. AAA - Resolved an issue with login using LDAP Server. (36057)
9. AAA - Admin UI - Admin Users with @ symbols in their name can now be deleted. (35857)
10. AAA - Siteminder users are able to log on after their session times out. (30763)
11. AAA - Fixed an issue in RADIUS authentication when the reply for a new pin from the server is "PIN rejected". (30251)
12. AAA - Fixed an issue where the IVE did not allow users to access the IVE when User Agent header is non-existent. (36307)
13. CIFS - Fixed a multiple file download issue for Japanese file names. (31425)

14. CIFS - Fixed an issue where Japanese users were directed to a blank page intermittently when uploading files that already existed. (31970)
15. CIFS - Fixed a file browsing issue with folders that have '+'. (35154)
16. CIFS - Window File Shares can now delete folders in EMC NAS devices (36135)
17. Clustering - Custom sign-in pages in virtual systems pages now get loaded to additional nodes when joined to cluster (35690)
18. Clustering - Fixed an issue in HC/CC timeout and dynamic policy. (35896)
19. IVS - Fixed an issue in IVE VLAN VIP failover and ARP cache. (35263)
20. JSAM - Resolved an issue with JSAM in RedHat Linux when user does not have full permissions to edit the hosts file. (21970)
21. JSAM - With no NetBIOS hosts defined JSAM now launches. (36079)
22. NC - When launching the NC application, users will automatically be directed to the last URL they went to. (36032)
23. NC - NC does an OS compatibility test when installing windows client applications. (34053)
24. WSAM - When WSAM reconnects after it expires it is directed back to the last page viewed. (25681)
25. WSAM - WSAM UDP listener is now being established on the proper port. (36048)
26. Logging - Resolved an issue in the Admin Access Logs when NCP idle time out is changed. (35662)
27. Logging - Toggling of PW protection of the serial console is now logged. (34140)
28. Series - Resolved an issue such that a user, who is the conductor but not the creator of the meeting, can start the meeting. (35665)
29. System Mgmt - Import/Export: Fixed a rare case where the system and user configuration files could not be exported. (35816)
30. System - Default UI options will be correctly displayed if no UI options are specified for a role. (34170)
31. UI - HTML is no longer found in an IVS profile error message when an NC profile containing IP addresses outside the range of the IVS is added. (35966)
32. UI - Display a more appropriate message when warning password expiration to German users. (36073)

33. PTP - Resolved an issue with passing of parameters in PTP when one PTP application is called from inside another PTP application. (35985)
34. PTP - Fixed an issue where in PTP host mode, if IVE receives request having port in the host header, it was not being properly handled. (34474)
35. Web - Rewrite - Can now handle a number of new Siebel 7.7 active-x objects. (31306)
36. Rewrite - Enhanced rewrite support (32705)
37. Web - Flash rewriting enhancements to support more internal intranet sites. (34297)
38. Web - Fixed an issue with rewriter and Java applet when Microsoft VM is used. (36046)
39. Web - Improved applet rewrite capability (31713)
40. Web - Fixed an issue with rewriter for a Java application. (28648)
41. Web - Rewrite - Expanded image content support for all Safari versions. (36418)
42. Web - Fixed a JavaScript rewrite issue for some special characters. (35735)
43. Web - Fixed a rewrite issue for a specific web site. (35673)
44. Web - Fixed an issue where users were not being directed to correct page after clicking on "Click here to sign in again" when they were forced off. (26742)
45. Web - Fixed an specific XML error that occurred in a few web portals. (35926)
46. Web - Fixed a rewriter issue where some functions on Oracle Expense Report were causing the user to see a blank page. (35328)
47. Web - Fixed a problem with rewriting a VBScript function. (35515)
48. Svcs - Fixed an issue where users on a limited account on Windows XP was unable to run Terminal Service. (35405)
49. Svcs - Fixed an issue with Windows Terminal Services when client side logging is disabled. (35343)
50. Svcs - Terminal services performance enhancement (36138)

Known Issues/Limitations Fixed in 5.2R3 Release

The following list enumerates known issues which were fixed in this release:

1. AAA - New users are unable to authenticate using ACE (32880)
2. AAA - Resolved an issue when role refresh happens due to Dynamic Policy evaluation on the Realm Level (35314)
3. AAA - Fixed an issue with Host Checker when PAC file is used (33850)
4. AAA – When a HC policy is configured to allow Macintosh platforms only, IVE correctly denies access to Windows platforms (34637)
5. AAA - Resolved an issue in the Host checker Remediation page, when multiple Host Checker Policies are configured and one policy fails (31426)
6. AAA – Fixed an issue where HC fails to install, if 'neoterissetupcontrol.cab' is not present on the PC (32969)
7. AAA – Fixed an issue where HC FILE attributes policy reverts to "denied" even though saved as "required" (35352)
8. AAA - Host Checker - Made FireFox's remediation page consistent with Internet Explorer (31085)
9. AAA – Fixed an issue where altering anything in the Admin UI caused some problems (32947)
10. AAA – Fixed a LDAP issue where child domain users were unable to change their passwords (29959)
11. AAA - When the max number of concurrent users is exceeded, the logo image on the sign in page is no longer distorted (34864)
12. CIFS - Fixed an issue with downloading of files through file sharing when AD is used for authentication (33095)
13. CIFS – Multiple file download in Japanese works as expected (31425)
14. Clustering – Fixed an issue where custom sign-in pages do not get copied to other nodes in a cluster using virtual systems (35690)
15. Clustering - Fixed an issue with active-passive clustering wherein the passive node was not able to reach the vip (32172) (32172)
16. JSAM – JSAM will assign loopback addresses in the order that it is defined in the Admin UI (35542)
17. NC - Fixed an issue wherein the Network connect installation had conflicts with the checkpoint VPN client (32612) (32612)
18. NC – Resolved an issue with the installation of Network Connect with Mozilla Firefox (34989)
19. NC – Pac file configuration will now work even when user already has a pac file defined in the LAN adapter (32597)
20. WSAM - WSAM on PPC will now work continuously when it secures traffic from IE (26054)

21. WSAM - Background replication of Lotus Notes to Domino server works through WSAM now (28745)
22. EMail - Fixed an issue in cleaning up of expired sessions in Email Client (35168)
23. EMail - Resolved an issue with downloading large e-mail attachments using Email Client (35269)
24. Series - Resolved an issue in Secure Meeting when the presenter of the meeting uses the Windows Key to do operations (35156)
25. Terminal - TAB key will now work with Sun JVM and MSJVM for Telnet and SSH (34911)
26. System - NCP Read Connection Timeout value is now updated properly (25009)
27. System - Fixed an issue wherein the custom sign-in page blob (the zip file containing the templates) was getting updated multiple times when user visited the sign-in page (26671) (26671)
28. System - JSAM - Host name on the IVE is no longer case sensitive (35224)
29. Web – Fixed a rewrite problem with Siebel 7.5 (34683)
30. Web – Fixed an ActiveX rewriting issue (33385)
31. Web – Fixed a rewrite issue that occurs after upgrading some backend applications by providing rewrite filters (30141)
32. Web – Fixed an issue with the java instrumentor (31713)
33. Web – Fixed an issue where rewritten javascript was not executing properly in Mozilla Firefox (34452)
34. Web – Fixed a rewrite issue where users could not save some information in a web application (32386)
35. Web – Fixed an issue where a Java applet failed to upload via rewriter (35221)
36. Web – Fixed rewrite issues with one web applicaiton (34313)
37. Web – Fixed a java instrumentation error (35000)
38. Web - SRMS ticketing application is now fully functional through the rewriter (34382)
39. Web – Fixed a performance issue when a page is opened (34081)
40. Web – Fixed an issue where Apache 1.3.28.1 SSL connections failed (24623)
41. Web – Enhanced performance when using rewrite filters (35578)
42. Web - Crystal reports fully functional thru IVE rewriter (34645)
43. Web - Fixed scripting errors and functionality issues with the Atlas Web Portal (32656)

- 44. Web – Resolved issues with browsing to web pages with XML content (34931)
- 45. Web – Fixed problems re-writing some XML sites (35201)
- 46. Web - Enhanced XML support through the rewriter (35130)
- 47. Win Term Svcs - Color depth will now work with Default ICA client (36003)

Known Issues/Limitations Fixed in 5.2R2 Release
 The following list enumerates known issues which were fixed in this release:

- 1. SSO - Fixed an issue in the flushing of the cookies that are set in the custom headers of SSO settings. (31268).
- 2. SSO - Fixed an issue where Form Post SSO only works for the first time when using a custom home page. (33034)
- 3. Rewrite - Resolved a JavaScript rewrite issue where browser stops responding. (34494)
- 4. Rewrite - Fixed a JavaScript rewrite issue where a web page goes into a loop. (31108)
- 5. Rewrite - Fixed a rewrite issue where an intranet site was not working properly. (27311)
- 6. Rewrite - Fixed a rewrite issue where users are unable to use a document management services application. (31221)
- 7. Rewrite - Fixed a rewrite issue with a budget software (31281)
- 8. Rewrite - Fixed a JavaScript rewrite issue when Mac/Safari is used to access an intranet site (31467)
- 9. Rewrite - Fixed an issue where some rewritten JavaScript links were not working for a specific application. (34669)
- 10. Rewrite - Fixed an issue where web rewriter does not translate some JavaScript links correctly for specific application. (32874)
- 11. Rewrite - Fixed a Selective Rewrite issue where opening a page that is not rewritten and the server is not resolved by DNS, it took up to a minute to open the page (33008)
- 12. Rewrite - Fixed an issue where a page was not being displayed through the rewriter. (33062)
- 13. Rewrite - Fixed an issue where JavaScript popup page was not displaying any data through rewriter. (33825)

14. Rewrite - Fixed an issue where a Java Applet failed to load for an application (33846)
15. Rewrite - Fixed an issue where the session intermittently hangs when accessing Oracle server through PTP. (33919)
16. Rewrite - Fixed an issue where a web-ticketing application was not being rewritten correctly (33933)
17. Rewrite - Fixed a rewrite issue where "Undefined" was showing up at the top of a page (34263)
18. Rewrite - Fixed a rewrite issue with a web application (33973)
19. Rewrite - Fixed a JavaScript rewrite issue where users could not access a portal (32998)
20. Rewrite - Fixed a rewrite issue where a web application was not working (30631)
21. Rewrite - Fixed a rewrite issue where a JAVA RDP client was not launching. (33380)
22. Rewrite - Fixed an issue with a HTML/JavaScript Application called Alps. (32302)
23. Rewrite - Fixed a rewrite server issue when users access Siebel servers. (32885)
24. Rewrite - Fixed an issue where a web application using SSO Form Post was not being rewritten correctly. (32975)
25. Rewrite - Fixed an issue where certain fields were not being rewritten correctly. (30429)
26. Rewrite - Fixed a rewrite issue where XML with a web application was causing a problem (32387)
27. Rewrite - Fixed a rewrite issue where some contents were missing on a web application (32565)
28. Rewrite - Fixed an issue where embedded JavaScript links in a portal was not working (32569)
29. Rewrite - Fixed a rewrite issue with a web application's calendar function (30672)
30. Rewriter - Fixed an issue with opening forms on an intranet site through rewriter (27645)
31. Rewrite - Fixed a rewrite issue with Siebel7 (31306)
32. Rewrite - Fixed a JavaScript rewrite issue (32477)
33. Rewrite - Fixed an issue accessing flash content through rewriter. (31154)
34. Rewrite - Fixed an issue where JVM errors while opening a PPT file on a web app (31754)
35. Rewrite - Fixed an issue where IVE tool bar was not being rewritten correctly (31813)

36. Rewrite - Fixed an issue where Bookmark page pulled Welcome/Portal message from default sign in page for custom sign in pages (31846)
37. Rewrite - Fixed a rewrite server issue. (31950)
38. Rewrite - Fixed a JavaScript rewrite issue with a web application. (32244)
39. Rewrite - Fixed a rewrite issue where users were unable to login to a web application (32249)
40. Rewrite - Fixed an issue where the rewriter was not rewriting java correctly. (31975)
41. Rewrite - Fixed a JavaScript rewrite issue where search functions failed on a website (32796)
42. Rewrite - Fixed a JavaScript rewrite issue which was causing IE performance deterioration. (32883)
43. Rewrite - Fixed a rewrite issue with Siebel 7.7 (34268)
44. Rewrite - Fixed an issue where a web based file upload utility was not functioning properly via rewriter (32705)
45. Rewrite - Fixed a rewrite issue where host name was not masked and a web page was missing radio buttons. (32368)
46. Rewrite - Added support for HTTP 1.1 for rewriter. (31049)
47. Rewrite – Fixed various rewrite issues with specific applications (32606, 32685)
48. Clustering - Fixed an issue where custom sign-in pages enabled in WAN clustering causes severe impact on performance of IVE. (28721)
49. Clustering - Resolved a Clustering issue where some nodes became unresponsive. (34352)
50. Clustering - Fixed a Clustering issue where custom login pages were not displaying on some nodes of the cluster. (33036)
51. Clustering - Fixed a cluster sync issue. (31421)
52. Clustering - Fixed an issue where cluster library was not handling self join via rejoin message (32238)
53. Clustering - Fixed a cluster issue where the passive IVE does not take over the VIP in some cases. (32172)
54. Log Monitoring - Fixed an issue where a logging process causes high CPU usage even at a low user count. (34616)
55. Log Monitoring - Fixed a logging issue to change the wording of non-major events. (33950)
56. Log Monitoring - FTP archiving of user access logs are no longer recycled completely when user log is full. (32765)

57. Log Monitoring - Fixed an issue where logs had a misleading message syntax (20716)
58. XML Import/Export - Fixed an issue where XML export shows error 'not enough element to match content' (34735)
59. Web - Fixed an issue in the web server (32081)
60. AAA - Fixed an issue where users were unable to sign-in to the IVE if trusted domain is enabled in AD authentication server configuration (32300)
61. AAA - Fixed an issue where secondary login pages showed "Additional Password" instead of "Domain Password" for the password field (33962)
62. AAA - Fixed an issue with Secondary Authentication server password management. (31296)
63. AAA - Radius attributes can now be specified in secondary auth servers. (27308)
64. AAA - Fixed an issue where when a Siteminder protected website is accessed, cookies are displayed on the web browser (32321)
65. Web - Users can now access https sites via ISA 2004 proxy server (33991)
66. Java applet upload - Fixed an issue where administrators were unable to delete an applet file even if all bookmarks referenced are deleted. (34082)
67. UI - Fixed an UI issue with the collapse function of bookmark web page's notification message. (22264)
68. DFS - Fixed a CIFS issue where users were unable to access DFS share. (30468)
69. File browsing - Fixed an issue where %20 is added for each space when accessing and opening a file with spaces in filename (31017)
70. HC - Fixed an issue where Host Checker had problems with IE (31605)
71. HC - Fixed an issue with Host Checker's auto upgrade. (31967)
72. HC - Fixed an HC issue with file check. (32707)
73. HC - Fixed an issue where HC failed when the HC policy exceeded 150 entries (31478)
74. HC - Fixed an issue where Custom Expression for HC was not working. (30670)
75. WSAM - Fixed logging inconsistencies with WSAM. (31977)
76. WSAM - Fixed an issue with WSAM's bypass application functionality (31953)
77. WSAM - Fixed an issue where some images of a web page were missing through WSAM (31827)
78. WSAM - Fixed an issue where WSAM on clients with PAC file was returning HTTP status code 503. (34185)

79. WSAM - Fixed an issue where WSAM sessions are ending after idle timeout period when using SiteMinder authentication even if the WSAM session has not been idle. (34469)
80. WSAM - WSAM now downloads fine on a Japanese OS with a username having Japanese character.
81. Documentation - Fixed an UI issue where an end user help document was misleading (32299)
82. IVE can now handle any number of blocked IPs. (31418)
83. Web - Fixed an interoperability issue with BlueCoat proxy configured as web proxy.(32604)
84. AAA - Fixed an issue where some users lost ability to log in (32369)
85. Admin - Fixed an issue where Admin access will be irrevocably lost if IVE admin realm is incorrectly role mapped (33118)
86. NC - Improved NC connection handling on the server side.(32956)
87. NC - Fixed an issue where standalone Network Connect did not display the background image properly when URL without https was entered (32529)
88. NC - Fixed an installation issue with Network Connect (31057)
89. NC - Fixed an issue where hostname in DHCP causes NC 1022 error (30643)
90. NC - Fixed an issue where redirecting to custom start page did not work with Firefox when using NC auto-launch (31802)
91. NC - Fixed an issue where Network Connect Installer did not save "Https" portion of URL for subsequent use (32587)
92. NC - Fixed an issue where NC failed with error 1023 when Host Checker Connection Control policy is applied and when DHCP renewal happened (31278)
93. NC - Fixed an issue where logged in NC users were dropped (32334)
94. NC - Fixed an issue where triggering NC in standalone mode bypasses the WholeSecurity scan (32915)
95. NC - Fixed checkpoint compatibility issues with NC and Checkpoint VPN client. (26282)
96. UI - Fixed an issue where secondary auth sign in page was not having proper cursor focus (32306)
97. Security - Provide an option to disallow browsers that only accept weaker ciphers. (30093)
98. I18N - Fixed an issue with Japanese translation on end user's page (32166)
99. TS - Fixed an issue where Citrix Terminal Services displayed error "The ICA file could not be found" (32743)

- 100.TS - Fixed an issue where some users lost their WTS bookmarks created during a session (31439)
- 101.TS - Fixed an issue where Terminal Services was not working in Full Screen and 800 x 600 resolution mode.(31211)
- 102.TS - Fixed an issue where users were unable to connect to terminal servers. (32754)
- 103.Meeting - Fixed an issue where if you use mail and samaccountname attributes to search usernames for meeting it returns error. (31764)
- 104.File Browsing – Multiple file download zips and downloads all the selected files including English or Japanese. (34399)
- 105.License - Users can now add terminal sessions if they have only core access license.(34008)
- 106.System - After erasing the IVE configuration from an IVE, console displays error: "Invalid password" when attempting to create an Admin account. (31890)
- 107.System - Fixed some performance issues NC and rewrite server. (33004, 32988)
- 108.Push Config - Fixed few issues with Push config. (32253)
- 109.Enhancement : WSAM – Added an option to wsam where auto upgrade can be disabled for wsam. We added support for Forward Compatibility of version 5.2R2 WSAM client against all later Maintenance release versions of WSAM. The use case will be to launch WSAM using Samlauncher.exe when they don't have any ActiveX or Java installed on their client systems. We forward compatibility for Samlauncher initiated access and standard web browser based access.

There is a server-side option that says "Auto-Upgrade Disabled". When that option is enabled, we will allow an older version of wsam to connect to a newer version of the IVE gateway. We currently support forward compatibility against a newer version off the same major release (5.2 R2 to 5.2 R6 for example). However, the solution should be able to cater for forward compatibility with future releases also.