BayRS Version 12.04 and Site Manager Software Version 6.04 Release Notes

BayRS Version 12.04
Site Manager Software Version 6.04

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Preface

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BayRS Version 12.04 and Site Manager Software Version 6.04 Release Notes

This document lists the anomalies (also referred to as bugs, change requests, or CRs) that have been fixed in Bay Networks® BayRS™ Version 12.04 and Site Manager Software Version 6.04.

Use the BayRS Version 12.00 and Site Manager Software Version 6.00 documentation with BayRS Version 12.04 and Site Manager Software Version 6.04.

Maintenance Release Methodology

BayRS Version 12.04 and Site Manager Software Version 6.04 are Maintenance Releases.

Maintenance Releases are designated by a change in the second number to the right of the decimal point. They provide a collection of software bug fixes for the current Major Release. No new software or hardware features or functionality for either software or hardware is introduced beyond that already contained in the current Major Release.

A Maintenance Release will occur approximately each 3 to 4 months after a Major Release occurs. A Maintenance Release replaces the current Major Release (or the prior Maintenance Release) and will become the current shipping version of BayRS. Each Maintenance Release will be a consolidation of the prior bug fixes made through Revision Releases, and will roll up all such software bug fixes provided by the recent Revision Releases.

Year 2000 Compliance

BayRS Version 12.04 and Site Manager Software Version 6.04 are Year 2000 Compliance Certified by Bay Networks. They have successfully passed Bay Networks Test Procedure which tests conformance to the Bay Networks Year 2000 compliance definition, both of which can be found at the Bay Networks Year 2000 Web Site at *http://www.baynetworks.com/year2000/.*

Image Builder Operational Note

If you are using Image Builder in Site Manager Software Version 6.10 to modify a BayRS Version 12.04 router image, you will receive an error. Please contact Bay Networks Customer Support to obtain the patch for this problem.

BayRS Version 12.04 Fixed Anomalies

Bay Networks has fixed the following anomalies in BayRS Version 12.04.

==========

SITE MANAGER COMPATIBILITY

==========

Router Version is managed by Site Manager version

v12.04 ----------> 6.04

v12.03 ----------> 6.03

v12.02 ----------> 6.02

v12.01 revision 1 ----------> 6.01 and 6.01 rev 1

v12.01 revision 2 ----------> 6.01 and 6.01 rev 1

v12.01 revision 3 ----------> 6.01 and 6.01 rev 3

==========

CR 25189: OSPF

A fault occurs in OSPF when you attempt to configure OSPF Global changes for an Ethernet port on an AS boundary router.

CR 25921: LOADER

If there is a panic on a slot from which the router booted, the Technician Interface suffers a delay of approximately 20 seconds for any loadable action.

CR 27734: ASN

An ASN router generates a log message indicating a redundant power supply failure even when the redundant power supply is not present. To disable this message, enable wfHwEntry.wfRASNRPSUPresent.

CR 29963: DLSw

A bus error occurs in DLSw when the IP interface is bounced repeatedly.

CR 30692: APPN

Added log message to identify which slot is APPN soloist to avoid confusion.

CR 32886: DLSw

When you disconnect a PU1 controller and reconnect it to the SDLC Primary line on a router, DLSw gets stuck cycling between the disconnect and established states.

CR 33169: SWSERV

Creating a hot standby demand circuit dynamically never maps to the primary circuit for initialization. This condition causes the upper-layer interface to remain up even when the primary client is in the up state.

CR 35093: L2TP

Memory leaks can occur on a DP gate when any of the circuits are bounced. Although DP normally saves the information when a circuit gate dies, if the **if_counter** was not being saved and **g_malloc** runs when the circuit gate comes back up, memory leaks result.

CR 73560: BGP

The router faults in an ATM PVC environment while continuously disabling and enabling ATM and IP interfaces.

CR 75844: SRB

If you use an SRB filter based on the NetBIOS name, faults can occur.

CR 78275: Filters

The router faults after reordering the filters when you create a new bridge traffic filter on an ATM SVC. This only occurs if there is a matching packet for one of the new filters.

CR 78835: X.25

A TCP session cannot be established after you disable and then re-enable TCP.

CR 80322: SWSERV

A bus error occurs when you disable a sync port and then re-enable it after the backup circuit has been activated. This affects configurations for direct FR mode PVCs with ISDN backup support.

CR 80490: BGP

BGP still uses old information after a dynamic change.

CR 85348: IPEX

Router sends frames out of sequence at both the LAPB and X.25 layers before disconnecting with a related bus error.

CR 85908: Packet Capture

When packet capture is enabled on an ATM circuit over an ATM LAN emulation, the router faults. If you enable packet capture on an ATM circuit but do not start it, the router does not fault.

CR 86982: DLSw

An SNA (System Network Architecture) suffers delays in reconnecting after a line interruption. This occurs when the client attempts to reestablish a connection before the host is responsive. The router's broadcast reduction feature shuts down further attempts to contact the host for a specified period of time.

CR 87362: PPP

IP circuits in a PPP connection fail to recover after they are bounced.

CR 88102: IPX

The router may run out of resources and fault when running IPX with many host entries.

CR 88298: VINES

When a router running VINES receives an RDR for a local client, it does not add the client to the neighbor table.

CR 88634: WEP

The WEP protocol is not supported on VME platforms. As a result, attempts to set passwords using the **ksession** command are unsuccessful, and are not followed by an informational message clarifying this condition.

CR 88700: X.25

When IPEX initiates a TCP connection, it wildcards the source IP address and then selects an appropriate IP address. The MIB parameter, wfIpexMappingCfgLocalIpAddr, allows for configuration of a source IP address to prevent IPEX from going down whenever the IP address goes down.

CR 88830: OSPF

OSPF experiences delays running Dijkstra to converge the network after the interface goes down.

CR 89307: QLLC

QLLC can't re-establish a TCP connection between PC3270 and an IBM host when the token ring slot is reset on the host router.

CR 89356: IP

A failure may occur on the router when an IP circuit transitions between primary and backup.

CR 89369: MOSPF

Multicast traffic does not propagate from one area to another area in MOSPF.

CR 89603: OSPF

When an ECMP route is lost, it is deleted from the author slot but remains on other slots where the path was learned from another protocol with lower preference.

CR 89614: X.25

A bus error occurs when using compression and an X.25 PDN service.

CR 89696: NTP

When the Network Time Protocol Peer Preference option is set to "no," the local time changes with the remote peer server, so the timing of scheduled reboots is thrown off.

CR 89704: NTP

The Peer Filter option used during the configuration of the Network Time Protocol doesn't function properly. When an NTP access filter is set for a particular peer server, the local time does not update even if the filter type is set to Prefer. The router must be rebooted for the filter to take effect.

CR 90210: DLSw

If you change the XID values while a link station is in session, the current DLS session is not reset dynamically.

CR 90220: IP

When you configure a router for Bridge IP host mode and add a static route and save the configuration, the route gets removed from the routing table after a reboot.

CR 90310: ISDN

ARN and AN router ISDN BRI S/T adapter modules fail due to an improperly programmed ISAC internal register.

CR 90538: X.25

IPEX sends out the Reset Indication with 0x1d (network is out of order) cause code after receiving a TCP abort or close message. Some vendors require that this be configurable.

CR 90619: MULTILINE

The **show sync statistics circuit** provides partial information on a multiline circuit configuration.

CR 91053: GAME

The **show sync base** script does not display all known sync states.

CR 91071: DLSw

If you disable DLS, with the DLS peers configured and TCP connections up, the TCP connections to the peers are closed, but wfDlsPeerEntry.wfDlsPeerStates reflects a connected state.

CR 91169: IP

The IP forwarding table becomes corrupt with a range of addresses marked as unreachable after a change in the topology occurs with variable-length subnets and overlapping routes.

CR 91334: SDLC

Implemented SDLC flagstreaming on the coprocessors on the Quad and Octal sync link modules. This was originally done on the Dual sync link module in CR 35096.

CR 91606: IP

Changing a circuit from primary on one slot to dial backup on another slot can cause inconsistencies in the IP routing table.

CR 91759: IP

When inbound IP traffic filters are applied to router interfaces with actions of FORWARD_TO_NEXT_HOP_INTERFACE and FORWARD_TO_FIRST_UP_NEXT_HOP_INTERFACE, tag violation faults can occur.

CR 91805: DLSw

When configured to activate peer first, the router does not retry the connection after it has been brought down due to inactivity.

CR 91930: X.25

Add Transpac cause code and fast select support for conformance testing.

CR 91984: SWSERV

When the auto_termination option is set to On on an on-demand circuit, and the circuit is taken down, a bus error occurs.

CR 92090: OSPF

A router configured with OSPF should ignore a contiguous mask that it receives. However, a bus error occurs instead.

CR 92242: IP

IP transmits an ARP for a next-hop host out an incorrect interface. If there is a device running proxy ARP, it responds to this ARP, which causes the router to send packets to this next hop out the wrong interface.

CR 92592: DLSw

A bus error occurs if you set the MIB attributes for wfDlsLocalDeviceCanureachTimer and wfDlsLocalDeviceCanureachRetries to zero to prevent the SDLC interface from initiating CanUReach messages.

CR 92616: DLSw

Following a failed SDLC to LLC2 connection between a 3174 cluster controller and the 5745 Enterprise Server, the ESM and router are unable to restore the connection. Each subsequent CANUREACH fails and you must stop and restart DLSw to restore normal operation.

CR 92923: ARP

Proxy ARP is not updating the ARP cache correctly after a new MAC address is configured on an adjacent router on the same network.

CR 93067: MCT1E1

An ASN takes a bus error in the MCT1 driver when it receives traffic.

CR 93242: DECnet

The broadcast route timer cannot be set beyond 8191 seconds, even though the timer has a valid range of 1 to 65535 seconds.

CR 93345: ARP

A memory leak occurs in ARP when the data link circuits are bounced repeatedly.

CR 94119: OSI

In a looped environment, OSI can receive its own link state packet from a neighbor with the same sequence number in its database. Because OSI fails to acknowledge the LSP, the remote side resends the LSP until it ages out prematurely.

CR 94120: OSI

Bouncing the OSI interface causes multiple copies of routing updates to be sent.

CR 94132: MOSPF

When MOSPF experiences large spikes in CPU utilization when running on all slots, dropped packets result. This happens every 30 minutes on an ABR when OSPF refreshes type 3 LSAs or receives a refreshed type 3 LSA from another router.

CR 94243: MOSPF

The wfMospfForwardEntry MIB does not increment age properly.

CR 94365: IP

Deleting an IP FORWARD-TO-NEXT-HOP traffic filter will result in a bus error.

CR 94714: BGP

When an entry is deleted from the RIB (routing information block) table in BGP, not all memory associated with the entry is released. This eventually leads to an out-of-memory fault.

CR 94903: VINES

If the router receives a VIP (VINES IP) packet destined for a client at the network layer, sourced from a station on the same LAN, and if the client's routing server is not in the routing table, but the client is in the router's neighbor table, this causes a fault and VINES resets on the router.

CR 95024: ATM

The **readexe** command fails on the VNR image.

CR 95323: LLC

LLC faults on an out-of-buffer condition and this causes the LLC circuit to terminate improperly. As a result, DLS never learns that the interface is down and does not recover.

CR 95450: IP

A bus error occurs when you set the wfIpBaseDirectedBcastEnable MIB to disable in ISP mode.

CR 95494: ISDN

If the primary link goes down and dial backup takes over before the primary link slot has cleaned up, the routing table is in a state where the directly connected network (now using the backup link) does not appear in the IP routing table.

CR 96869: ATM

A router running LAN emulation will stop responding to LE_ARP requests after you change the state of the source route spanning tree. This problem occurs when you change the topology or source route STP global state, or when you bounce a source route STP interface.

CR 96266: X.25/IPEX

If an X.25 connection is not established, the IpexSession MIB is not successfully removed.

Site Manager Software Version 6.04 Fixed Anomalies

Bay Networks has fixed the following anomalies in Site Manager Software Version 6.04.

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Site Manager Software Version 6.04 is a post-6.00 revision. This version is backward compatible and supports the following router software versions:

12.04

12.03

12.02

12.01

12.00

11.02

11.01

11.00

10.01

==========

CR 22893: Site Manager

PC Site Manager incorrectly allows you to set the month value to zero in the Router Date and Time window and then sets the month to 1.

CR 30036: SWSERV

Site Manager 5.01 does not allow selection of the 56K adaption rate option for AN and ARN ISDN outgoing phone numbers.

CR 30072: ISDN

Site Manager reports an internal error, "line not found," when you configure an ISDN leased line as a primary line for a backup circuit on an ARN.

CR 33127: Frame

You cannot apply a bridge filter to a specific frame relay service record other than the default service record. When you attempt to do so at the Circuit Menu, you are prompted for entry of physical circuits, rather than service records.

CR 35360: Switched Services

When you edit a configuration dynamically, after adding Hot Standby as a secondary circuit, the primary circuit IP connection goes down.

CR 35686: IP

Attempting to report on more than one protocol (defined in xxxRouteSource and xxxExtRouteSource) in Report Generator can cause an invalid entry error. This occurs because the MIB and CDL for xxxRouteSource and xxxExtRouteSource are incorrectly defined with enumerations hard coded in the MIB.

CR 72188: BGP

Site Manager does not allow you to configure IBGP peers if the peer is not on the same network as the local IP interface.

CR 78305: SNMP

When you try to add an SNMP trap exception using Site Manager 6.00 and above, and BayRS 11.02, you get an error message.

CR 79192: MCT1E1

Site Manager does not properly add the 31st logical line to an MCE1 time slot.

CR 86105: ISDN

Site Manager 6.00 or higher closes the Configuration window when you select the ISDN BRI U Interface card on an AN router.

CR 91582: Site Manager

A generic error occurs when you connect to a 5380 with Site Manager 7.01 and Win NT.

CR 92645: X.25

Site Manager deletes the IPEX button from the X.25 configuration after you delete a service record. This prevents you from configuring the IPEX mapping table.

CR 92884: BGP

Site Manager versions 6.01 and later require the following two configurable fields: Multi-Exit Discriminator and Multi-Exit Discriminator Value.

CR 92943: ATM

When you delete an ATM circuit using Site Manager, the circuit seems to disappear but actually remains on the router. If you attempt to then add the circuit using the default name, the error "duplicate circuit name" appears.

CR 93347: IP

Site Manager does not show an hourglass or wait state message while retrieving information over the network and fails to prevent the inadvertent entry of another command while processing the retrieve. This can result in an unintended change to the router settings.

CR 93368: Site Manager

Site Manager incorrectly allows you to configure full duplex for both ports on a dual 100BASET module. For performance reasons, this is not recommended.

CR 94176: Site Manager

Site Manager will not open a configuration file in local or remote modes. This problem occurs because some MIB entries that are missing from Site Manager are included with the new *config* file.

CR 94923: SNMP

An SNMP set error can occur when edit priority/outbound filters in Site Manager 5.01/5 with IP installed. This results because the OID is not being located correctly.

CR 95222: Site Manager

The Bay Networks logo still appears on the Site Manager PC installation screen.

CR 95291: Site Manager

Site Manager 7.10 for AIX Report Generator incorrectly reports that IPEX entries are misconfigured. When this occurs, Site Manager displays the following memory error: No Memory for Octet String.

CR 95307: Site Manager

A request has been submitted for the Windows Router Files Manager to be made identical to the UNIX version when you click on the volume selector. UNIX displays a list of volumes with flash cards that you can highlight to select. Windows currently displays two buttons (ascending/descending) below the volume selector.

CR 95325: PPP

WFCFG goes into an infinite loop when you create filters for the first time on a PC. The PC is looking for an array of characters on the long word boundary, which do not appear there when the pre-processor directive pragma pack is in use on a character array.

CR 96370: Site Manager

The router's PING screen allows the entry of alphanumeric characters in numeric fields.

CR 96541: X.25

Remote X.121 address sets to 1 when you click on Apply on the X.25 service configuration window, regardless of the address you assigned.