

Version 11.1.0.21**Release Date:** February 20, 2017**Resolved Issues**

Issue #	Summary
14204	Service restore fails for nodes after expired license is replaced with an active license within permissible time
14198	Sometimes one or few EPC nodes fail to restart from License Error state
14150	Emergency Session configuration cannot be edited if "Roaming Network" is configured
14028	After upgrade from NetConsole, EPC nodes are started in idle state

Known Issues

Issue #	Summary
14234	Consecutive Inter PLMN handover fails

Version 11.1.0.20**Release Date:** January 23, 2017**Resolved Issues**

Issue #	Summary
13009	Memory Usage of EPC system increases over time
13676	The SNMP Browser could not fetch certain information from NetEPC nodes - For MME, SGW, PGW: Product Version in Sys Info, Interfaces, Identity (except Group Id for MME), Protocols (except SCTP), Partial Path Failure Table. - For MME only: EIR entry in Neighbors. - For PGW only: PDN Table.
13711	HGW generates huge logs when SCTP fails to send packet
13920	PGW memory consumption increases when dedicated GBR bearer activation fails
13932	Network Monitoring Graphs always have odd spike at the beginning
13972	PCRF should not reject authorization based on case sensitive APN name
14106	HSS does not send ULA to target MME during inter PLMN handover
14107	SGW appends extra octets to Indication Flags IE

Known Issues

Issue #	Summary
14028	After upgrade from NetConsole, EPC nodes are started in idle state. Workaround: (a) Upgrade NetEPC from command-line (by running the <code>polaris-netepc-install.sh</code> script inside the tarball). (b) After upgrade from NetConsole, go to <code>/opt/polaris-netepc/configs</code> and rename all <code>NetEPCConfig_*.xml</code> to <code>EPCConfig_*.xml</code> and restart the EPC nodes. Note: This issue will not occur for upgrade from version 11.1.0.20 to future versions of 11.1 release.

Version 11.1.0.19**Release Date:** December 02, 2016**Resolved Issues**

Issue #	Summary
13175	NetEPC and NetNMS installation is not successful in RHEL 7.2
13738	Handover fails if 100,000 UEs are attached via HGW
13786	A subscriber cannot belong to multiple Synchronized Subscriber Group
13840	PGW crashes while viewing subscriber information for subscribers belonging to no charging profile
13868	HSS and SPR logs generates error when Static ip allocation is disabled

Known Issues

Issue #	Summary
13676	The SNMP Browser could not fetch certain information from NetEPC nodes - For MME, SGW, PGW: Product Version in Sys Info, Interfaces, Identity (except Group Id for MME), Protocols (except SCTP), Partial Path Failure Table. - For MME only: EIR entry in Neighbors. - For PGW only: PDN Table.

Version 11.1.0.17**Release Date:** November 14, 2016**Resolved Issues**

Issue #	Summary
12997	HeNB-GW is unable to use CA certificate for IPsec
13380	Sometimes the RAT Type in Subscriber Monitoring page is shown 'NOT LISTED'
13579	NMS upgrade from NetConsole does not succeed if httpd is upgraded during NMS installation
13658	NMS is unusable when installed on a fresh machine from tarball
13707	Conversion factor of 1000 should be used for converting kbps to bps, mbps to kbps etc
13710	Searching using IMEI with check digit fails in Subscriber Management & Monitoring pages of NetConsole

Known Issues

Issue #	Summary
13175	NetEPC and NetNMS installation is not successful in RHEL 7.2
13676	The SNMP Browser could not fetch certain information from NetEPC nodes - For MME, SGW, PGW: Product Version in Sys Info, Interfaces, Identity (except Group Id for MME), Protocols (except SCTP), Partial Path Failure Table. - For MME only: EIR entry in Neighbors. - For PGW only: PDN Table.
13738	Handover fails if 100,000 UEs are attached via HGW

Version 11.1.0.16 Beta**Release Date:** October 05, 2016**Resolved Issues**

Issue #	Summary
13389	Integrated packet capture feature does not work if NMS and NetConsole are not co-located
13460	Subscriber Administration page of Deployed EPC should not modify or delete synchronized subscriber after SPR Synchronization
13461	Tracking area & Pool area configuration is not getting saved properly from console
13508	SPR synchronization does not work for large number of UE (10k)
13578	Attach fails when realm is not provided during neighbor HSS configuration in MME for MCC value starting "0"
13581	MME doesn't send UE Time Zone info in Modify Bearer Request during S1 Handover

Known Issues

Issue #	Summary
12997	HeNB-GW is unable to use CA certificate for IPsec Workaround: Copy the certificates manually in /opt/polaris-netepc/security directory.
13380	Sometimes the RAT Type in Subscriber Monitoring page is shown 'NOT LISTED'
13579	NMS upgrade from NetConsole does not succeed if httpd is upgraded during NMS installation Workaround: Repeat the upgrade procedure.
13658	NMS is unusable when installed on a fresh machine from tarball Workaround: Provide write permission for all users to the nmsdb (#chmod 666 /opt/polaris-nms/db/nmsdb).

Version 11.1.0.15 Beta**Release Date:** September 22, 2016**New in this Release**

1. CentOS 7.2 ISO package has support for UEFI boot.

Resolved Issues

Issue #	Summary
12851	Alias network interfaces cannot be used with PGW NAT and 'Apply Network Configuration'
13001	Importing / Exporting subscriber records from or to a file does not work.
13058	MME fails to select redundant PGW while primary was down, causes attach failure for the next time
13098	Logs from all nodes cannot be cleared at once
13114	Restarting the EPC nodes from NetConsole takes a long time if tens of thousands of subscribers are connected to the EPC
13294	License check warning / failure should generate an Alarm and SNMP trap
13401	EPC nodes in 'License Error' state crash if attempted to stop/restart
13481	"Start/Restart EPC nodes" feature most of the time fails to execute if large number of UEs are attached to the network

Known Issues

Issue #	Summary
13461	Tracking area & Pool area configuration is not getting saved properly from console
13581	MME doesn't send UE Time Zone info in Modify Bearer Request during S1 Handover

Version 11.1.0.14 Beta

Release Date: September 02, 2016

New in this Release

1. CentOS 7.2 is now the standard Operating System for NetEPC and NetNMS.
2. High-speed user plane on S1-u, S5/S8-u, and SGi interfaces to provide multi-Gbps throughput on 10-Gbps Ethernet interfaces.
 - o Currently supported: Intel 82599 10 Gigabit Ethernet Controller
3. Enhanced SPR Synchronization between Central and Deployable EPC.
4. Integration of NMS on the NetCell (eNodeB+EPC) platform.

Resolved Issues

Issue #	Summary
12677	SPR should have provision to disable a registered subscriber.
12678	SPR should allow configuration of Subscriber Name while registering a subscriber.
12922	EPC fails to transfer CDR files to FTP server and Trace file to Trace Collection Entity.
12954	Attach to a IPv6 PDN fails when DHCPv6 is used.
12818	HSS-initiated subscription profile modification fails for an idle UE.
12327	There should be provision to add multiple P-CSCFs in an APN.
12917	Service ID and Rating Group for Off-peak Charging is not saved properly.
12632	Provision to provide PGW identity in FQDN format as part of APN configuration.
12942	Neighbor HSS configuration is not removed from MME if Primary HSS is changed.
12731	IMEI is shown as 'unavailable' for Emergency-attached UEs over GTP-based S2b.
12985	EPC is unable to start all the nodes after system reboot when License Dongle is used.
13017	Support needed for multiple static UE IP addresses on a single PDN connection.
13101	Month-end reset of Fair Usage limit is not working properly.
13141	Incorrect default MSIN length.
13193	Incorrect interface name shown under SGi (IPv6).

Known Issues

Issue #	Summary
13294	License check warning / failure should generate an Alarm and SNMP trap.
13114	Restarting the EPC nodes from NetConsole takes a long time if tens of thousands of subscribers are connected to the EPC. Workaround: Disconnect the subscribers from the network before restarting the system.
13001	Importing / Exporting subscriber records from or to a file does not work. Workaround: In the NetEPC system, set permission of the /opt/polaris-netepc directory to 777 (# chmod 777 /opt/polaris-netepc).

Version 11.0.0.15**Release Date:** August 26, 2016**Version 11.0.0.14****Release Date:** July 08, 2016**Version 11.0.0.13****Release Date:** May 30, 2016**Version 11.0.0.10****Release Date:** March 22, 2016**Version 11.0.0.9****Release Date:** February 15, 2016**Version 11.0.0.8 Beta****Release Date:** January 14, 2016**Version 11.0.0.6 Beta****Release Date:** December 03, 2015**Version 11.0.0.2 Beta****Release Date:** December 03, 2015**New in this Release**

1. Control Plane performance improvement: Up to 10x faster signaling on suitable hardware compared to release 10.2.
2. HeNB Gateway with S1-MME and S1-u interfaces.
3. Location Services (LCS): SLg and SLs interfaces in MME to GMLC and E-SMLC. SLh interface in HSS to GMLC.
4. VoLTE: SRVCC Handovers with 3GPP Access networks.
5. GERAN and UTRAN support in HSS with S6d interface.
6. LIPA and SIPTO support in MME and HSS.
7. Configurable DSCP marking on Uplink and Down link traffic over S1u, S5u and SGi interfaces.
8. Untrusted non-3GPP Access Network support in HSS/AAA and PGW.
9. Trusted non-3GPP Access: Support for HSS-initiated procedures.
10. Configuration of Services without charging
11. NetCLI: Command Line Interface to configure and control NetEPC.
12. NetCell: Integrated eNB and EPC.
 - Includes MME, SGW, PGW, HSS, PCRF.
 - Supports 64 simultaneously attached users.

Version 10.2.0.12**Release Date:** December 14, 2015**Version 10.2.0.11****Release Date:** November 26, 2015**Version 10.2.0.9****Release Date:** September 11, 2015**Version 10.2.0.7****Release Date:** July 02, 2015**Version 10.2.0.6****Release Date:** May 01, 2015**Version 10.2.0.5 Beta****Release Date:** March 23, 2015**Version 10.2.0.2 Beta****Release Date:** February 25, 2015**New in this Release**

1. MBMS-GW with M1, Sm, SG-mb and SGi-mb interfaces. MBMS support in MME.
2. MME Load Balancer to distribute eNBs that do not support S1-Flex.
3. 3GPP AAA Server co-located with NetEPC HSS.
4. Inter working with IMS.
5. Trusted non-3GPP Access.
6. Off-peak Charging.
7. Event-based Online Charging.
8. Network Monitoring Dashboard.