Release Notes

Application Name: NAWIPS
Application Version: v7.9.0
Release Date: February 25-March 3, 2020

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Introduction

NAWIPS v7.9.0 release notes. Highlights of this release:

- Operational support for SPC Day 2 Convective Outlook to fulfill NWSHQ Q4FY19 milestone
- Fixed Snow Squall warnings for LWX and alike WFOs which have multiple forecast jurisdictions in the Mass New Dissemination header block, e.g., National Weather Service Baltimore MD/Washington DC
- Built CREWSS QC software on RHEL 7 at the behest of OPC

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
	NAWIPS v7.9.0 release	February 25-March 3, 2020

System Requirements

Operating Systems Supported

The supported operating systems for installing the product are:

- RedHat 6 Linux 32 bit Version 2.6.32-754.3.5
- RedHat 6 Linux 64 bit Version 2.6.32-754.3.5
- RedHat 7 Linux 64 bit Version 3.10.0-957.27.2

Minimum system requirements

- Operation system:
    - RHEL 6.10: RedHat Linux 64 bit version 2.6.32-754.15.3.el6.x86_64
    - RHEL 7.6:   RedHat Linux 64 bit version 3.10.0-957.21.3.el7.x86_64
- CPU Model:
    - RHEL 6.10: Intel(R) Xeon(R) CPU E5520 @ 2.27GHz 4 CPU cores
    - RHEL 7.6:   Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz 8 CPU cores
- Number of physical processors: 1
- RAM: 12G
- Graphics:
    - NVIDIA Quadro P1000 4GB video memory, or
    - NVIDIA Quadro K2200 4GB video memory
- Hard drive:
    - 256GB SATA SSD drive

- Network:
  - 1Gbps ethernet

Fixed Issues

Operational and Maintenance Fixes

The following list contains fixed issues for releases v7.9.0.

NAWIPS 7.9.0	DESCRIPTION
NAWIPS-70	Operational support for SPC Day 2 Convective Outlook to fulfill NWSHQ Q4FY19 milestone
NAWIPS-92	Changed the verbiage to NEAR and QUICK Volcanic Ash Advisories (VAA) per SAB's request. Provide vaa.tbl site table to NESDIS.
NAWIPS-99	Fixed WMO headers for lightning decoder
NAWIPS-100	Fixed the CSIG decoder error when "KT" exists in CSIG text file
NAWIPS-108	Baselined decoders and GEMPAK applications testing scripts
NAWIPS-109	Added CWA_NAME to Nmap2 marine zones per SPC's request
NAWIPS-112	Fixed PGEN International SIGMETs (ISIG) when ISIG polygons do not intersect any FIRs
NAWIPS-116	Updated surface station table
NAWIPS-117	Removed $NAWIPS/../local_apps/extlibs/ltgdecode from NAWIPS code basehttps://nchttps://nco-jira.ncep.noaa.gov/browse/NAWIPS-100o-jira.ncep.noaa.gov/browse/NAWIPS-110
NAWIPS-119	Built CREWSS QC software on RHEL 7 at the behest of OPC
NAWIPS-124	Fixed Snow Squall warnings for LWX and alike WFOs which have multiple forecast jurisdictions in the Mass New Dissemination header block, e.g., National Weather Service Baltimore MD/Washington DC

Proposed Release Schedules

Time	ACTION
2/25/2020	Release to NCWCP Centers 13-14Z OPC 14-15Z SDM 15-16Z WPC WS 2130Z CPC
2/26/2020	Release to Remote Centers https://www.nco.ncep.noaa.gov/sdb/nawips/distribution
3/3/2020	15-17Z WPC Compute Farm/NESDIS 18-19Z DF

NCWCP Workstation Deployment Instructions

STEP	ACTION
1	ssh nawips1@vm-lnx-ncosrv
2	cd .operations
3	vi *_<center> (e.g., opc) <Change the files to source the appropriate account> (e.g., nawips2)

NCWCP Compute Farm Deployment Instructions

STEP	ACTION
1	ssh nawcf1@vm-lnx-sibcf8
2	cd .operations
3	vi *_<center> (e.g., opc) <Change the files to source the appropriate account> (i.e., nawips3)

Remote Centers Deployment Instructions

STEP	ACTION
1	Save a copy of the lightning decoder software and keys to a temporary folder ($TEMP1 $TEMP2): cp $GEMPAK/source/programs/dc/ltgdecode/* $TEMP1 cp $OS_BIN/etc/.kf/* $TEMP2
2	Download the compressed tar file from the distribution site, http://www.nco.ncep.noaa.gov/sdb/nawips/distribution, and unpack the file in an NAWIPS user directory.
3	Copy the lighting decoder keys over: mkdir $GEMAK/source/programs/dc/ltgdecode cp $TEMP1/* $GEMPAK/source/programs/dc/ltgdecode cp $TEMP2/* $OS_BIN/etc/.kf
4	Update all users' .cshrc or .profile as needed
5	Build the new NAWIPS system cd $GEMPAK/build external_libs_compile >&! EXTERNAL_BUILD_$NA_OS
6	cd $NAWIPS make all >&! MAKE_ALL_$NA_OS make link >&! MAKE_LINK_$NA_OS
7	cd $GEMPAK/utilities/a2conv make >&! A2CONV_MAKE_$NA_OS
8	To install NAWIPS onto AWIPS systems, follow the instructions from this link