NAWIPS v7.12.1 Release Notes

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Introduction

NAWIPS v7.12.1 release notes. Highlights of this release:

- Address known Y2K21 outage
- Data flow will add WCN entry in pqact.conf

This release note covers the following Requests for Change.

ARFC NUMBER	RFC DESCRIPTION	Release Date
TBD	NAWIPS v7.12.1 release	Jan 4-14, 2021

System Requirements

Operating Systems Supported

The supported operating systems for installing the product are:

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

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

NAWIPS 7.12.1	DESCRIPTION
NAWIPS-159	Addressed all issues related to Y2K21 outage including, a. Decoder output file names with correct year b. Lighting data displays on nmap2 c. ASCAT data displays on nmap2 d. WOU/WCN/WSTM displays e. Woupdt: WOU (Watch Outline Update)/WCN (Watch County Notification) update f. Dat2pts convective and fire weather outlooks g. NWX data inquiry h. Miscellaneous Y2G21 fixes for McIDAS and NOWrad image.

Known Issues

1. Unable to plot namsfc
2. Unable to load PFC namsnd in QA
3. Unable to load Sentinel a/b and Jason3

Release Schedules

Time	ACTION
1/4/21	Release to Remote Centers: http://www.nco.ncep.noaa.gov/sdb/nawips/distribution A tarball that has all the changes is available per request
1/4/21	Release to NCWCP Local Centers Dataflow: 20-21Z CPC: 21-22Z
1/5/21	Release to NCWCP Local Centers SDM: 11-12z WPC workstations: 11-12Z OPC: 12-13Z NESDIS: 18:30-19:30Z
1/14/21	WPC Compute Farm: 13-14Z

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> (i.e., nawips1)

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 v7.12.1> (i.e., nawips1)

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