Release Notes

Application Name: NAWIPS
Application Version: v7.7.1
Release Date: July 30,, 2019

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Introduction

NAWIPS v7.7.1 release notes. Highlights of this release:

- Fixed a missing point in polygons in decoders
- Removed a duplicate PBG from surface station table.

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
5921	NAWIPS v7.7.1 release	July 30, 2019

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 3.10.0-862.14.4 (beta version)

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 v7.7.1.

NAWIPS 7.7.1	DESCRIPTION
NAWIPS-105	Fixed a missing point in polygons in some of the decoders
NAWIPS-106	Removed a duplicate PBG station in sfstns.tbl
NAWIPS-111	Added GOES-17 image attributes to imgtyp.tbl

Deployment Instructions

Proposed Schedules

Time	ACTION
7/30/2019	Release to NCWCP Centers 12-13Z OPC 13-14Z SDM 14-15Z WPC WS/NESDIS 16:30-18Z DF 20Z CPC
7/31/2019	14Z WPC Compute Farm
7/31/2019	Release to Remote Centers https://www.nco.ncep.noaa.gov/sdb/nawips/distribution

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., nawips1)

NCWCP Compute Farm Deployment Instructions

STEP	ACTION
1	ssh nawcf1@vm-lnx-sibcf1
2	cd .operations
3	vi *_<center> (e.g., opc)
	<Change the files to source the appropriate account> (e.g., nawips1)

Remote Centers Deployment Instructions

STEP	ACTION
1	Save a copy of the keys to a temporary folder ($TEMP):
	cp $OS_BIN/etc/.kf/* $TEMP
2	Download the compressed tar file from the distribution site, http://www.nco.ncep.noaa.gov/sib/nawips/distribution, and unpack the file in an NAWIPS user directory.
3	Copy the lighting decoder keys over:
	cp $TEMP/* $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 instructions from this link