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PNSWSH

Service Change Notice 20-13
National Weather Service Headquarters Silver Spring MD
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From: Ben Kyger
 Director, NCEP Central Operations

Subject: Notification of Security Changes for NCEP NOMADS Website:
Effective April 28, 2020

Effective on or about April 28, 2020, the NOAA Operational Model Archive and Distribution System (NOMADS) website at:

<https://nomads.ncep.noaa.gov>

will undergo changes to comply with required security enhancements. The changes will have two major impacts. First, user access to the Open-source Project for a Network Data Access Protocol (OPeNDAP) server currently served on port 9090 will no longer be available. Second, user-side specific firewall rules will no longer work due to the migration to a Content Delivery Network (CDN).

The NWS will remove the requirement to make data available via OPeNDAP (also known as GrADS Data Server /GDS/) over port 9090 and will use the standard SSL server port 443 instead. These changes only apply to URLs that follow this pattern:

<https://nomads.ncep.noaa.gov:9090/dods/XXX>

Where XXX is all OPeNDAP models (e.g., "blend," "gfs_0p25," "gens_bc," "hrrr," etc.).

For a full list of changes, please visit this URL:

<https://nomads.ncep.noaa.gov/dods/>

All users of OPeNDAP servers should begin testing immediately and work to migrate all scripting over from "9090" to "443" before the advertised date. A specific example can be found below.

This URL:

https://nomads.ncep.noaa.gov:9090/dods/gfs_0p25/gfs20200203/gfs_0p25_18z.info

Will become:

https://nomads.ncep.noaa.gov/dods/gfs_0p25/gfs20200203/gfs_0p25_18z.info

The public access of NOMADS will be migrating to a Content Delivery Network (CDN). Users should expect the IP address of NOMADS to change to a random, unspecified range. NCEP will NOT have the ability to provide users with this range of IPs. To ensure uninterrupted service, we request users honor the DNS resolution for nomads.ncep.noaa.gov.

These changes do NOT affect the following URLs for either HTTPS or FTP access:

www.ftp.ncep.noaa.gov

ftpprd.ncep.noaa.gov

ftp.ncep.noaa.gov

tgftp.ncep.noaa.gov

NCEP will evaluate all user comments and questions.

For questions on this change, contact:

NCO Dataflow Team

ncep.pmb.dataflow@noaa.gov

National Service Change Notices are online at:

<https://www.weather.gov/notification/>

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