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ERDAS APOLLO Advantage/Professional 2020 Update 1  
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Date released: 2020-02-05  
Patch version - APOLLO Server: 16.06.0000.0074  
Patch version - APOLLO Data Manager: 16.06.0000.0049

Contents  
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- ERDAS APOLLO Advantage/Professional 2020 Update 1 Installer
- ERDAS APOLLO Data Manager 2020 Update 1 Installer

The ERDAS APOLLO Advantage/Professional 2020 Update 1 may only be applied to ERDAS APOLLO Advantage/Professional 16.06.00.0042 or later. DO NOT attempt to install this patch on any version older than 16.06.00.0042.

The ERDAS APOLLO Data Manager 2020 Update 1 may only be applied to ERDAS APOLLO Data Manager 16.06.00.0029 or later. DO NOT attempt to install this patch on any version older than 16.06.00.0029.

Use the Windows Programs and Features tool to verify these versions before installing the 2020 Update 1 release.

WARNING:

The ERDAS APOLLO Advantage/Professional 2020 Update 1 cannot be uninstalled.

Understanding the ERDAS APOLLO Patch Installation

\*\*\*\*\*IMPORTANT - PLEASE READ\*\*\*\*\*

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The following is an explanation of the ERDAS APOLLO patching process. You will find specific patch installation instructions later in this document in the section titled "Patch Installation Instructions."

The ERDAS APOLLO patch installation is accomplished in four basic steps:

1. Stop the ERDAS APOLLO services.
2. Install the Patch.
3. Modify TEMPLATE files delivered with the patch to include any customization from the previous configuration.
4. Run the ERDAS APOLLO Configuration Wizard.

When the ERDAS APOLLO patch is installed, new configuration TEMPLATE files will be written to [APOLLO\_HOME]/storage/config\_ap\_clean. Any existing TEMPLATE files from previous server patches will be overwritten to ensure you have the latest versions of these files. At this point, you should modify the newly written TEMPLATE files to include any customizations from your current configuration.

IMPORTANT: Only the configuration files listed below in the patch installation instructions will be impacted by the patch. Any other existing configuration files will be untouched. If you have not customized these files then there is no action required on your part with regard to these specific files.

After you have installed the patch and updated the TEMPLATE files as needed, you must run the Configuration Wizard to complete the patch implementation. The Configuration Wizard will first make a backup of existing product configuration files to [APOLLO\_HOME]\config.backup. Next, it will overwrite the existing TEMPLATE files throughout the product with the updated TEMPLATE files from ...\config\_ap\_clean. These TEMPLATE files will in turn be used by the Configuration Wizard to update the product's configuration files.

.....  
.....  
For example, when the Configuration Wizard is run...  
\* [APOLLO\_HOME]/config/erdas-apollo/metadata/metadata.yaml  
 is copied to [APOLLO\_HOME]/config.backup.  
  
\* [APOLLO\_HOME]/storage/config\_ap\_clean/metadata.yaml.TEMPLATE  
 overwrites [APOLLO\_HOME]/config/erdas-  
 apollo/metadata/metadata.yaml.TEMPLATE.  
  
\* [APOLLO\_HOME]/config/erdas-apollo/metadata/metadata.yaml.TEMPLATE  
 overwrites [APOLLO\_HOME]/config/erdas-apollo/metadata/metadata.yaml.  
.....  
.....

When the Configuration Wizard is finished, your APOLLO installation will be updated and will include your custom configurations from previous versions.

Patch Installation Instructions  
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ERDAS APOLLO Advantage/Professional  
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Stop the ERDAS APOLLO Services  
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Before you install and configure the patch, you should stop the ERDAS APOLLO Application Server and related services.

1. Open the Windows Server Services tool
2. Stop the APOLLOTOMCAT service, "ERDAS APOLLO Tomcat Application Server"
3. Stop the APOLLOSmartSync service, "ERDAS APOLLO Drop Box"
4. Stop the APOLLOActiveMQ service, "ERDAS APOLLO ActiveMQ Broker Service," if it exists.

5. Stop the Geospatial Server Administration Console Service, "Geospatial Server Administration Console Service"

#####  
WARNING!!!: Be sure this service is started again AFTER the patch installation is completed, and PRIOR to running the Configuration Wizard!

- #####
6. Stop the Geospatial Server Capabilities Service.
  7. Stop the Geospatial Server Quality Monitor Service.
  8. Stop and restart the IISADMIN service, "IIS Admin Service"
  9. Stop and restart the W3SVC service, "World Wide Web Publishing Service"

RECOMMENDED: Before proceeding with the installation, KILL any remaining w3wp.exe processes via Task Manager.

#### Install the Patch

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The ERDAS APOLLO Advantage/Professional 2020 Update 1 does NOT require you to uninstall any previous patch version.

WARNING: If ERDAS APOLLO Advantage/Professional was previously installed to a custom location (anywhere but the default), then the patch installation must be run from a command line with administrative privileges, using the command shown below. The following example assumes APOLLO Adv/Pro has previously been installed to D:\ERDAS APOLLO.

```
APOLLOAdvPro-2020-Update1.exe /s /v"/qn INSTALLDIR="D:\ERDAS APOLLO\""
```

1. Unzip ERDAS-APOLLO-AdvPro-2020-Update1.zip
2. Run APOLLOAdvPro-2020-Update1.exe. When prompted, select the Update button.
3. The install will update all required patch files.
  - a. NOTE: After installing the patch, APOLLO services will not be restarted. This will occur automatically after running the Configuration Wizard described below.

IMPORTANT: If the installation process requires a system reboot, once that reboot has completed you will need to stop the APOLLO Application Server and related services again before continuing with the Configuration Wizard. Follow the steps described earlier to stop APOLLO services.

#### Modify Configuration TEMPLATE Files

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Configuration files that are overwritten by Update 1.

```
[APOLLO HOME]\config\erdas-apollo\providers\map\providers.fac
```

## Run the Configuration Wizard

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Once you have installed the patch and merged any customized files into the patch TEMPLATE files, you must run the Configuration Wizard to complete the patch update.

```
#####  
WARNING!!!: Check to be sure the Geospatial Server Administration Console  
Service is running before proceeding with the Configuration Wizard.  
#####
```

1. Run the ERDAS APOLLO Configuration Wizard  
[APOLLO\_HOME]\configwizard\ConfigurationWizard.exe or run from the Start Menu.
2. Once the Configuration Wizard is finished, APOLLO services will restart.

## ERDAS APOLLO Data Manager

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WARNING: If ERDAS APOLLO Data Manager was previously installed to a custom location (anywhere other than the default), then the patch must be run from a command line with administrative privileges using the command shown below. The following example assumes Data Manager has previously been installed to D:\ERDAS APOLLO Data Manager.

```
APOLLODataManager-2020-Update1.exe /s /v"/qn INSTALLDIR="D:\ERDAS APOLLO  
Data Manager\""
```

## Install the Patch

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The ERDAS APOLLO Data Manager 2020 Update 1 does NOT require you to uninstall any previous patch version.

1. Unzip ERDAS-APOLLO-AdvPro-2020-Update1.zip.
2. Run APOLLODataManager-2020-Update1.exe. When prompted, select the Update button.
3. The Patch will update all required files.

## Known issues

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In APOLLO Core with SQL Server configurations, there is a file path length restriction to 255 characters that can lead to unexpected behavior managing files. This will be resolved in the next Update.

APOLLO Advantage/Professional Fixes, Enhancements and Customer reported defects

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2020 Update 1

- [AP-10680, 00029334] Add support for EPSG:5514 projection
- [AP-11084, 00039226] Provide better support for user defined projections
- [AP-11098, 00052610] Failure to get geometry from SQL database because of forced lowercase column name
- [AP-11100, 00053546] Download ISO Metadata command in Geospatial Portal fails for web services
- [AP-11112, 00054471] No content returned creating a vector web Service via the API console with https configuration
- [AP-11116, 00055327] Recurring crawl job fails with five minute interval option
- [AP-11128, 00056622] CZS fails for LAS data with error "Error: At least one band should be selected"
- [AP-11133, 00056748] Proxy web service fails to render the full image layer from source WMS service

APOLLO Core Fixes, Enhancements and Customer reported defects

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2020 Update 1

- [IW-5082, .....] Manually updated watch folders
- [IW-5919, .....] AWS secretkey should not appear in logs
- [IW-6329, .....] iwsFilter crash when serving .ntf outside of APOLLO
- [IW-6344, .....] Disable SMSDK logging unless the Apollo Core log level is set to debug
- [IW-6477, .....] Configuring SDI WMTS/Inspire won't facade ServiceMetadataURL in Capabilities
- [IW-6523, .....] Database upgrader has issues with MSSQLSERVER and long file paths
- [IW-6549, .....] Adding a new style on a dataset will fail to facade legendurl under SDI WMTS Inspire Service
- [IW-6552, 00052841] JP2000 image color change after applying transparent color
- [IW-6555, .....] Missing requirements when SDI is installed (WCF-Http-Activation45)
- [IW-6565, .....] Direct Render to high bit depth TIFF for WMS and WMTS
- [IW-6582, .....] Error messages don't XML escape some parameters
- [IW-6584, .....] Apollo Core crashes on large image width/height request
- [IW-6588, .....] ECWP dataset with removed file will cause server to crash
- [IW-6591, .....] ECW v2 with opacity via ECWP may display corrupted alpha bands
- [IW-6597, .....] URL '\*' crashes the ISAPI filter

- [IW-6603, .....] Crash when rendering USDA AFPO TIF files
- [IW-6606, .....] IMG format with nodata produces zero values when projected in EPSG:4326
- [IW-6607, .....] Scaling issue with JP2 with Opacity band when rescaling 8bit to 16bit
- [IW-6609, .....] Server fails to read the NODATA values from NITF aux file
- [IW-6631, 00056386] PNG output has worse quality when compared to 2016
- [IW-6644, .....] Server fails to add a certain types of NITF dataset
- [IW-6647, .....] Crash at exit of DBUpgrader

Geospatial Portal Fixes, Enhancements and Customer reported defects

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2020 Update 1

- [AP-11100, 00053546] Download ISO Metadata command in Geospatial Portal fails for web services
- [AP-11128, 00056622] CZS fails for LAS data with error "Error: At least one band should be selected"