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ArcGIS GeoEvent Server 10.8.1 Patch 4 (Windows, Linux)

Summary

This patch includes enhancements and addresses issues, including multiple security vulnerabilities found in log4j distributed with ArcGIS GeoEvent Server. Esri recommends that all customers using ArcGIS GeoEvent Server 10.8.1 apply this patch.

Description

This is a cumulative patch that incorporates all previously released ArcGIS GeoEvent Server 10.8.1 Patches and Hot Fixes. See the Enhancements and Issues Addressed section below for a complete list of updates.

- You must clear the browser cache after this patch is installed to properly load the updated GeoEvent Manager User Interface.
- ArcGIS GeoEvent Server 10.8.1 must be installed before you can install this patch.
- ArcGIS GeoEvent Server Patches cannot be uninstalled. To roll back a patch requires a fresh install of GeoEvent Server.

Enhancements and Issues Addressed with this Patch

- BUG-000144488 - Following a reboot GeoEvent Gateway will periodically fail to restart in an operational state.
- BUG-000145348 - Update GeoEvent Server to replace unpatched Log4j libraries.
- BUG-000146645 - GeoEvent Server loses connection with the GeoEvent Gateway causing GeoEvent Services and Outputs to stop functioning correctly.
- BUG-000147023 - GeoEvent restart stability with custom components.

To avoid conflicts with previous releases and patches, the following issues are also addressed with this patch:

- BUG-000143024 - Stream Service Store Latest Fails when Maximum Age property is not zero.
- BUG-000141758 - The stream service outbound transport incorrectly warns of a schema mismatch when updating Store Latest feature records in a spatiotemporal big data store.
- BUG-000141188 - An element's selected feature service displays incorrectly when editing a configured input, output, or processor in a GeoEvent Service.
- BUG-000141759 - Server connections to an ArcGIS Online organization initially attempt to connect over HTTP when HTTPS is required.
- BUG-000141761 - Filter expressions cannot be configured with internal event record properties.
- BUG-000110727 - Users with insufficient privilege are logged out with a message *Session has expired.* when attempting to access Administrative operations in GeoEvent Manager.
- BUG-000139249 - ArcGIS GeoEvent Server has a Directory Traversal security vulnerability.
- BUG-000131593 - A hosted feature service's identifier should be preserved when changes to the service's properties are published.
- BUG-000131860 - Value for inbound adapter's SpatialReferenceField property is not populated when importing an XML snapshot of a GeoEvent Server configuration.
- BUG-000131803 - Expected date format is ignored when inbound event data has a string of digits.
- BUG-000133699 - Initial startup and restart issues between the GeoEvent Gateway and GeoEvent Server prevent the Manager application from loading correctly.
- BUG-000138583 - GeoEvent Manager panels are not listing hosted services alphabetically as they are listed in the REST Services Directory.
- BUG-000138585 - Feature service publication fails in a non-federated environment when creating a new BDS Data Source.
- BUG-000100984 - The GeoEvent Text Adapter fails to parse certain Latin characters.
- BUG-000131776 - Send an Email output does not handle complete set of UTF-8 characters.

- BUG-000132926 - Sampler and Event Viewer(map) popup cannot show the multibyte language strings correctly.
- BUG-000132928 - GeoTagger Processor does not allow writing to existing fields when using Enter or Exit operations.
- BUG-000132930 - GeoEvent Sampler label strings are incorrectly displayed for supported non-English languages.
- BUG-000132931 - Sampler displays prettified JSON data universally as String when attributes are numeric.

Installation Instructions for Windows

1. Login with an Administrator Windows account.

2. Download the patch to a location other than your ArcGIS installation location.

Patch 4	**GeoEvent_10_8_1_Patch4.msp**
Checksum (SHA256)	**6156f054e4e3bc439fb859e5edf743a183e660db970a418b0b38045380a85fcf**

3. Double-click **GeoEvent_10_8_1_Patch4.msp** to start the install.

   Note: If double clicking on the MSP file does not start the setup installation, you can start the setup installation manually by using the following command:

   ```
   msiexec.exe /p <location of patch>\GeoEvent_10_8_1_Patch4.msp
   ```

4. Open the GeoEvent Manager to ensure your inputs, outputs, and GeoEvent Services have been started. If they are not, restart them in the GeoEvent Manager.

Installation Instructions for Linux

1. Log in as the user that installed ArcGIS Server.
   Note: For the Amazon AMI this is the user **arcgis**.

2. Download the patch to a location other than your ArcGIS installation location.

Patch 4	**GeoEvent-10.8.1-Patch4.tar.gz**
Checksum (SHA256)	**a3adaf21348c044be0e0e9170748fc91a03268c025b4e5bca4abd230f9e70f34**

3. Extract the package:

   ```
   % tar -xzvf GeoEvent-10.8.1-Patch4.tar.gz
   ```

4. Stop the GeoEvent daemon services.

5. Start the installation and wait for it to complete:

   ```
   % ./GeoEvent/Patch.sh
   ```

6. Delete the contents of the GeoEvent Server data folder.

   ```
   % rm -rf /GeoEvent/data/*
   ```

7. After the setup is complete, restart the GeoEvent daemon services.

8. Open the GeoEvent Manager to ensure your inputs, outputs, and GeoEvent Services have been started. If they are not, restart them in the GeoEvent Manager.

Patch Updates

Check the Patches and Service Packs page periodically for the availability of additional patches. New information about this patch will be posted here.

How to identify which ArcGIS products are installed

To determine which ArcGIS products are installed, choose the appropriate version of the PatchFinder utility for your environment and run it from your local machine. PatchFinder will list products, hot fixes, and patches installed on your local machine.

- PatchFinder for Windows
- PatchFinder for Linux/Unix

To determine which version of ArcGIS GeoEvent Server is installed append `/version.txt` to the GeoEvent Manager URL. For example:

```
https://localhost:6143/geoevent/manager/version.txt
```

Getting Help

Domestic sites, please contact Esri Technical Support at 1-888-377-4575, if you have any difficulty installing this patch. International sites, please contact your local Esri software distributor.

Published: 3/17/2022

Download ID: 8000

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