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ArcGIS GeoEvent Server 10.9.1 Patch 1 (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 10.9.1 apply this patch.

Description

- You must clear the browser cache after this patch is installed to properly load the updated GeoEvent Manager User Interface.
- ArcGIS GeoEvent Server 10.9.1 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-000145347: Update log4j to address security vulnerabilities.
- BUG-000129110: Enterprise server connections without credentials revert to an unusable state when GeoEvent Server is restarted.
- 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-000145938: Expressions with attribute names including special metacharacters are no longer supported in the 10.9 / 10.9.1 Field Mapper.
- BUG-000145944: Event records with one or more null values are no longer supported by the 10.9 / 10.9.1 stream service output.
- BUG-000146495: Lack of query parameter throws null pointer exception.
- BUG-000146611: Field Enricher query fails for integer type values in where clause.
- 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.

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 1	GeoEvent_10_9_1_Patch1.msp
Checksum (SHA256)	9a3b9f00f7711aeb70e8bbe0b55cfacc09ee3ba22a2ac644d3405fe3d81e0890

3. Double-click **GeoEvent_10_9_1_Patch1.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_9_1_Patch1.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 1	**GeoEvent-10.9.1-Patch1.tar.gz**
Checksum (SHA256)	**8c8af05d51aadb4f74ea6913b491d52fc14a863b2cd60d52f410d02ef4088a19**

3. Extract the package:
   `% tar -xzvf GeoEvent-10.9.1-Patch1.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.

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