

## PreCise MRM – ArcGIS GeoEvent Connector

## **Prerequisites**

- ESRI ArcGIS Server 10.2 (or later)
  - More information available at http://resources.arcgis.com/en/help/main/10.2/#/Welcome to the ArcGIS 10 2 for

     Server Windows Help/0154000002np000000/
- ESRI ArcGIS Server 10.2 (or later) GeoEvent Processor extension (this component is available from ESRI).
  - http://resources.arcgis.com/en/help/main/10.2/index.html#/What is the ArcGIS Geo
    Event Processor extension/015400000655000000/
- Supported DBMS for ESRI ArcGIS Server 10.2 (MS SQL Server, PostgreSQL, Oracle, etc)
- PreCise MRM GeoEvent Connector files:
  - o PreCiseInboundTransport-1.0.0.jar
  - o PreCiseInboundAdapter-1.0.0.jar

## Installation

The PreCise MRM GeoEvent Connector consists of two files; **PreCiseInboundTransport-1.0.0.jar** and **PreCiseInboundAdapter-1.0.0.jar**. These files must be placed on the ArcGIS Server in the GeoEventProcessor deploy folder at the following location:

- <ArcGIS Server Install>\GeoEventProcessor\deploy
- By default: C:\Program Files\ArcGIS\Server\GeoEventProcessor\deploy

Once the component files are located in the deploy folder they will be available through the ArcGIS GeoEvent Processor Manager for further configuration.

Ensure that PreCise MRM web services are accessible from your ArcGIS Server by opening a web browser (Firefox, Internet Explorer, Google Chrome, etc.) to the following locations. If either of these locations are unavailable or the web browser cannot display the page, then ensure that your firewall allows HTTP connections from your ArcGIS Server to these locations.

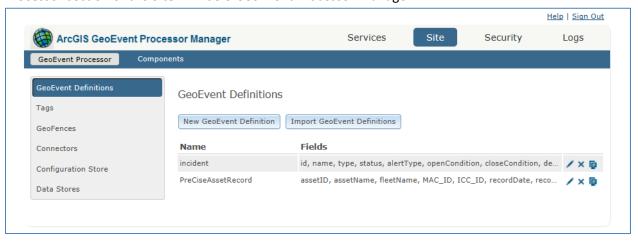
- http://servicesjson.preciseinfox.com/DataRetrieval.asmx?wsdl
- http://servicesjson.preciseinfox.com/DataRetrieval.asmx



## Configuration

The PreCiseInboundTransport and PreCiseInboundAdapter are now available from the ArcGIS GeoEvent Processor Manager. You can access the GeoEvent Processor Manager for your ArcGIS Server at <a href="https://carcGIS Server IP>:6143/geoevent/manager">https://carcGIS Server IP>:6143/geoevent/manager</a>.

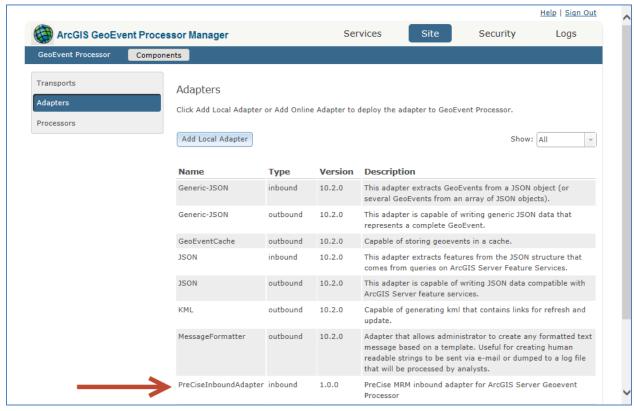
1. The PreCiseAssetRecord GeoEvent Definition should now be available in the **GeoEvent Processor** section of the **Site** in ArcGIS GeoEvent Processor Manager.





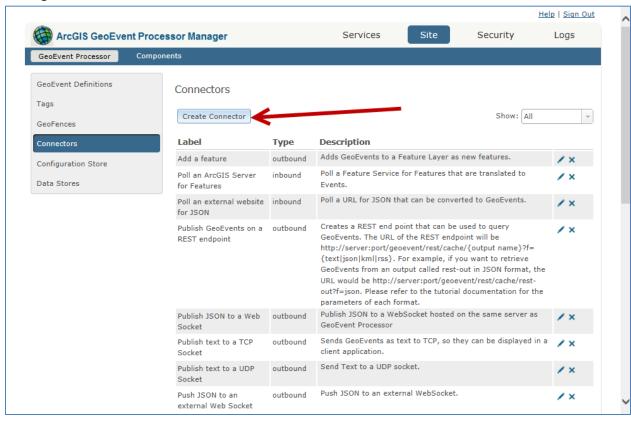
 Confirm the transport and adapter are available on the server by checking the Components section of the Site in ArcGIS GeoEvent Processor Manager. The screen shot below shows the Adapters list.

If the PreCiseInboundAdapter and PreCiseInboundTransport do not show in the list, the GeoEvent Processor engine has not yet refreshed. A forced refresh can be done by restarting the ArcGIS GeoEvent Processor service from the operating system services control panel.



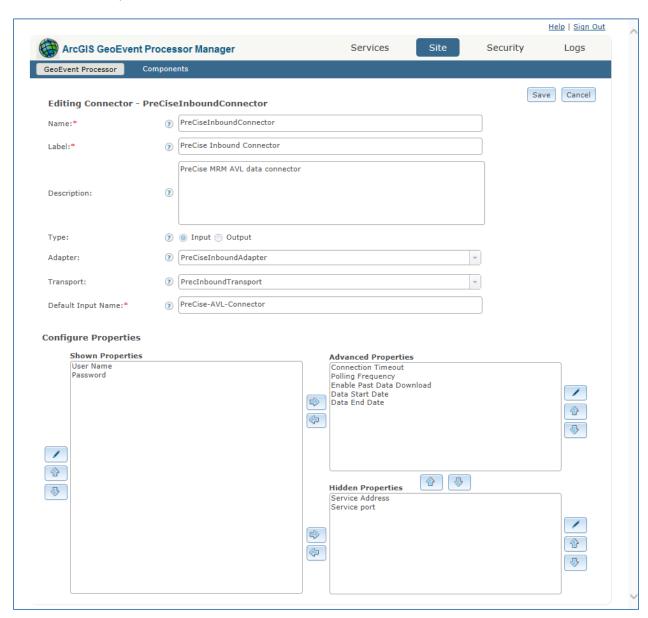


3. You will need to create and configure the connector for the PreCise components. Go to the **Connectors** section of the **Site – GeoEvent Processor** in ArcGIS GeoEvent Processor Manager, clicking on the **Create Connector** button.



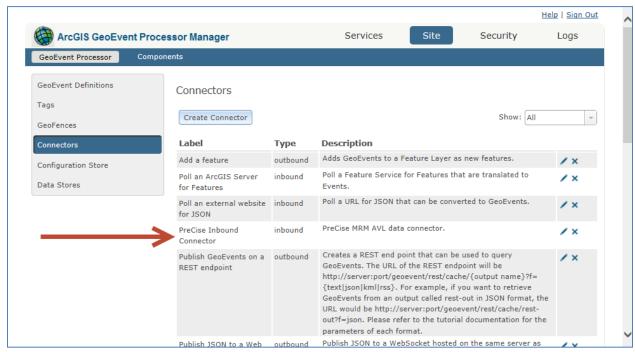


- 4. Enter the following for each applicable field.
  - a. Name: PreCiseInboundConnectorb. Label: PreCise Inbound Connector
  - c. Type: Input
  - d. Adapter: PreCiseInboundAdapter (this should be available via the drop-down)
  - e. Transport: PreCiseInboundTransport (this should be available via the drop-down)
  - f. Default Input Name: PreCise-AVL-Connector

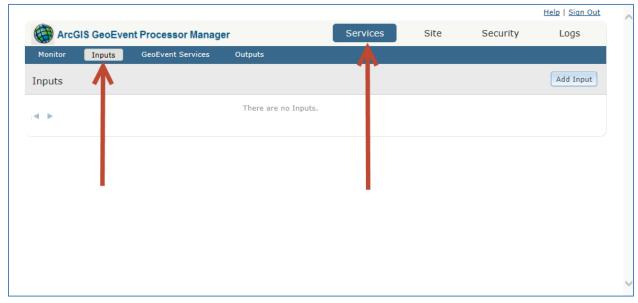




- g. When finished, click on the Create button.
- 5. You should now have the PreCise Inbound Connector in the list of Connectors

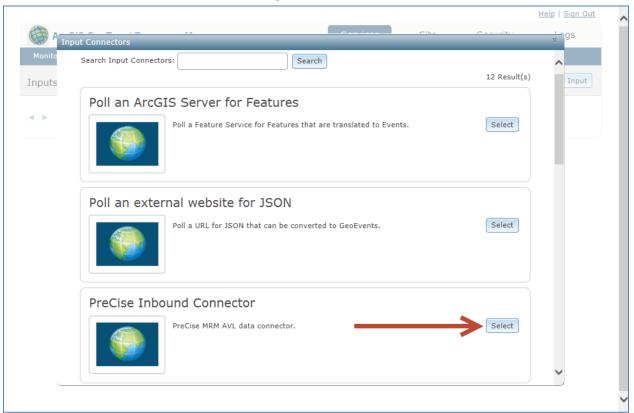


6. You will now need to create the service for the connector. Go to the **Inputs** section of **Services** in ArcGIS GeoEvent Processor Manager, clicking on the **Add Input** button.



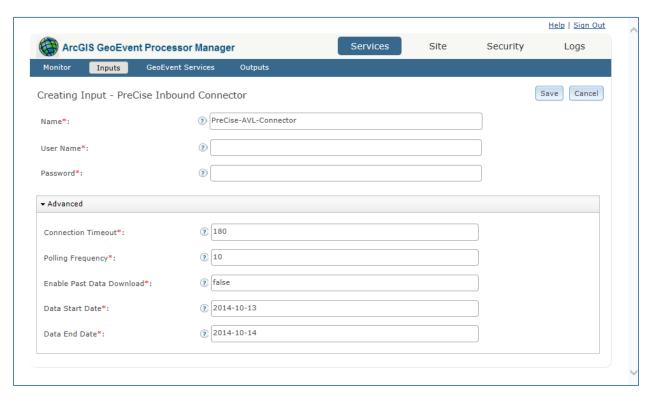


7. Select the **PreCise Inbound Connector**, clicking on the **Select** button.



- 8. You will now have access to the various parameters required for the PreCise Inbound Connector. At a minimum you will need to provide the following.
  - a. User Name The user name associated with your PreCise MRM web services account.
  - b. Password The password associated with your PreCise MRM web services account.
- 9. You also change some of the advanced setting s such as:
  - a. **Connection Timeout** The timeout period for requests to PreCise web services.
  - b. **Polling Frequency** How often (in minutes) the PreCise Inbound Connector checks for new data.
  - c. **Enable Past Data Collection** true/false This feature can be enabled (true) if you wish to download non-current data. The timeframe will be defined by the Data Start Date and Data End Date. This feature is currently limited to a 24 hour time period.
  - d. Data Start Date Date at which to start past data collection (Format: yyyy-mm-dd)
  - e. Data End Date Date at which to end past data collection (Format: yyyy-mm-dd)





10. You will now have a running instance of the PreCise Inbound Connector name "PreCise-AVL-Connector". You can always stop, start and re-configure the instance from the **Inputs** section of **Services** in ArcGIS GeoEvent Processor Manager.

