

# AGS Secure Geoproc. Service URL

## Add a New Monitoring Point

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**Select Type**

AGS Secure Geoproc. Service URL
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Monitor Name

Monitor Description

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Server Name

Service Name

UserID

Encrypt

UserPW

Encrypt

URL-Complete

Empty Results OK

Create Monitor Point

The AGS Secure Geoprocessing Service URL monitoring point checks a Secure ArcGIS Server Geoprocessing Service to see if it returns valid results. The monitoring point sends requests to a secured ESRI Geoprocessing service REST interface, and can check either synchronous or asynchronous execution types. Synchronous jobs return results quickly and can be checked in detail. Asynchronous jobs can run for an arbitrarily long time before responding, thus we only check that the service has reported that the job was correctly submitted.

The parameters that are unique to the AGS Secure Geoprocessing Service include:

Server Name	DNS name of server where AGS Geocode service is located
Service Name	Name of the geoprocessing service on an ArcGIS Server. If service is under folder/service is needed.
userID	ArcGIS Server Admin user ID using either Windows or ArcGIS Server Security
UserPW	ArcGIS Server Admin user password
URL-Complete	Complete REST URL  Example:  https://YourAGSServer/arcgis/rest/services/Folder/MySecureGeoProcess/GPServer/Label-MyGeoProcess/execute?InputService=&InputName=&env%3AoutSR=&env%3AprocessSR=&returnZ=false&returnM=false&f=pjson
Empty Results OK:	(Optional) Enter YES for services that can return empty results during normal operation. This will prevent the check from considering the point to be down when empty results are returned.

For non-secured AGS geoprocessing services, refer to the [AGS Geoprocessing Service](#) monitoring point.

Retrieving the URL-Complete parameter from the REST service is a several step process

**Step 1.1:** Open your Internet browser and enter the URL for your ArcGIS® Rest Services.

**Note:** To demonstrate the process of determining the correct URL for the check in Steps 1.1 through 1.7, a non-secure geoprocessing service. The procedure with a secured service is identical, but with additional URL parameters. Steps 1.8 and onward show a hypothetical secure URL.

**Example:**

<http://sampleserver5.arcgisonline.com/arcgis/rest/services/GDBVersions/GPServer>

Select a Geoprocessing service from the list of services:

### ArcGIS REST Services Directory

[Home](#) > [services](#) > [GDBVersions \(GPServer\)](#)

[JSON](#) | [SOAP](#) | [WPS](#)

## GDBVersions (GPServer)

**Service Description:** Returns information about the versions accessible by the enterprise geoserver provided.

### Tasks:

- [ListVersions](#)

**Execution Type:** esriExecutionTypeSynchronous

**Result Map Server Name:**

**MaximumRecords:** 1000

**Child Resources:** [Info](#) [Uploads](#)

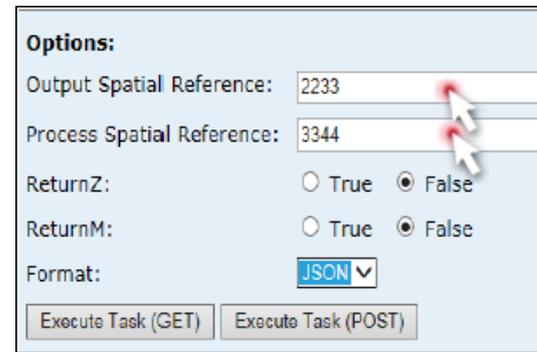
**Step 1.2:** In the bottom left of the browser screen, locate "Supported Operations"

Click on [Execute Task]

**Supported Operation**

**Step 1.3:** Enter appropriate values for your particular geoprocessing task. In this case, spatial references are required.

**Note:** Your form view may vary from the image at the right

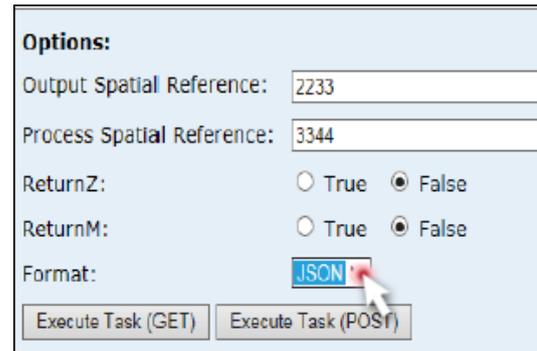


The screenshot shows a web form titled "Options:". It contains the following fields and controls:

- Output Spatial Reference: 2233
- Process Spatial Reference: 3344
- ReturnZ:  True  False
- ReturnM:  True  False
- Format: JSON (dropdown menu)
- Execute Task (GET) button
- Execute Task (POST) button

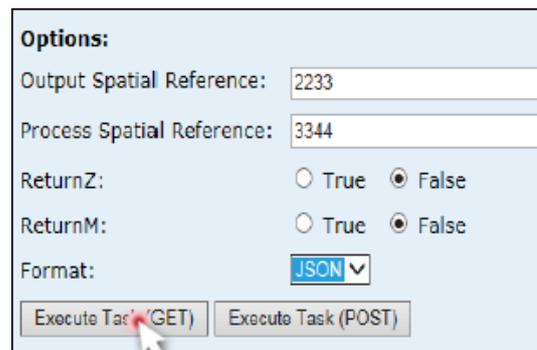
Red arrows point to the "2233" and "3344" input fields.

**Step 1.4:** Select **JSON** from the **Format** drop down box



This screenshot is identical to the previous one, but the "Format" dropdown menu is open, showing "JSON" as the selected option. A red arrow points to the "JSON" text in the dropdown.

**Step 1.5:** Click on **[Execute Task (GET)]**



This screenshot is identical to the previous ones, but a red arrow points to the "Execute Task (GET)" button.

Step 1.6: Verify that valid data is returned.

**Note:** If the data is not valid, the browser may return an error message such as "**message**": "**Invalid or missing input parameters.**" If this happens, determine valid parameters and re-enter the information as outlined in Step 1.3.

```
{
  "results": [
    {
      "paramName": "Ver
      "dataType": "GPR
      "value": {
        "displayFieldName":
        "fields": [
          {
            "name": "Objec
            "type": "esri
            "alias": "Objec
          },
          {
            "name": "name"
```

**Step 1.7:** In the URL Address bar, locate and copy the entire URL (including “pjson”):

**Example:**

*<http://sampleserver5.arcgisonline.com/arcgis/rest/services/GDBVersions/GPServer/ListVersions/execute?processSR=3344&returnZ=false&returnM=false&f=pjson>*

**Step 1.8:** Paste the URL into the **URL-Complete** field

**Step 1.9:** After entering the AGS userID and userPW for the secure access, click the **[Encrypt]** button

**Note:** *If using Windows security, you must include the domain (e.g. yourdomain\userid).*

**Step 1.10:** Optionally, enter **YES** in the **Empty Results OK** field

**Step 2:** Click the **[Create Monitor Point]** button

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GeoSystems Monitor Enterprise -> Product Guide v4.1 - 4.2.1 -> Monitor Point Types & Parameters -> AGS Secure Geoproc. Service URL

<http://www.vestra-docs.com/index.php?View=entry&EntryID=434>