

Lemur™

# Introduction to Geocaching in Lemur Admin Pro

For Internal Use Only

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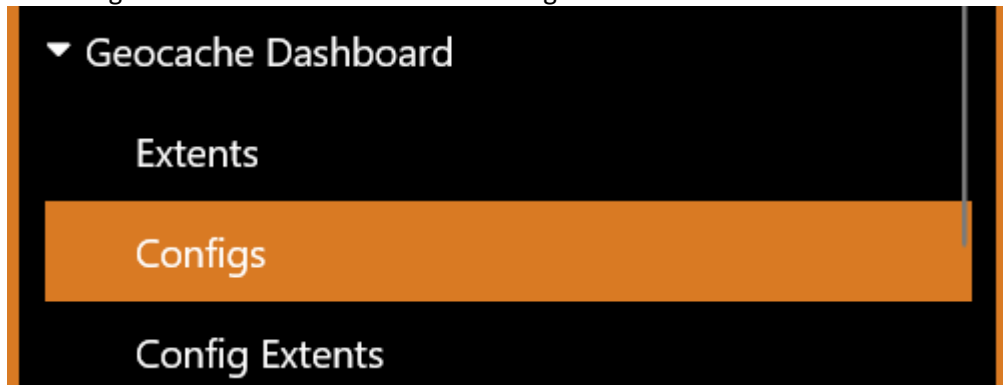
Version Control.....**Error! Bookmark not defined.**

## Summary

Geocaching generates data for offline Lemur Pro use. Offline data allows users to be able to work without needing an internet connection. Offline data also generates faster, as the data will not have to be pulled from a server. This document will show you how to configure and generate geocaches.

## How to create a geocache in Admin Pro

1. Navigate to Geocache Dashboard > Configs



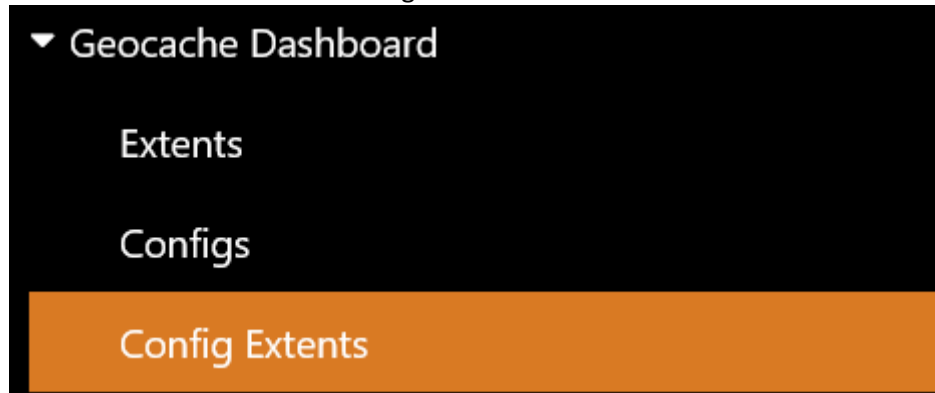
2. Click **New** on the top banner and populate the popup form.



- a. **Key** and **Label** is named after the geocache config. Having prefix to distinguish where the data is from could be useful. In case of SCE project...
  - i. Data generated by Locana will start from "Crit\_"
  - ii. Data from SCE start from "CGIS\_"
- b. Populate **Endpoint** with the feature service URL.
- c. Select "Feature Service" for **Type**. **Endpoint Target** should automatically change to Feature Service as well.
- d. Check **Downloadable**
- e. Check **Scheduled** (if the feature service is scheduled to be updated)
- f. Select applicable **Hub Connectors**. (In case of the SCE project, it is LemurHubConn4SCE-2021R1)
- g. Select applicable **Applications**.
- h. Check **Use Process Window** if applicable.
  - i. If applicable, set the time for **Start Processing Window** and **Stop Processing Window**
- i. Select "Per Layer," "Per Replica" or "None" for **Sync Model**. Sync Model should match the capabilities of the feature service being targeted.
- j. Type the number for **Number of Deltas** if applicable.
- k. Set "Download" for **Delta Sync Direction**

- l. Type the Feature Layers ID (number) for **Feature Layers**. To look for the ID number, go to the ArcGIS REST service.
- m. Fill out **Layers Query** if applicable.
- n. Fill out **Source WKID** and **Target WKID**.
  - i. Reference source WKID from the ArcGIS REST service
  - ii. Target will usually be 8357 (Web Mercator) to match base maps.
- o. Check **Include Attachments** if applicable. Reference the feature service in ArcGIS REST service to find out if it is applicable.
- p. Set **Maximum Consecutive Errors** and **Error Recovery Delay**.
  - i. Maximum Consecutive Errors – Number of consecutive errors that can occur before this configuration is no longer generated.
  - ii. The number of minutes to delay before attempting to generate cache for this configuration once the maximum number of consecutive errors has been reached.

3. Geocache Dashboard > Config Extents

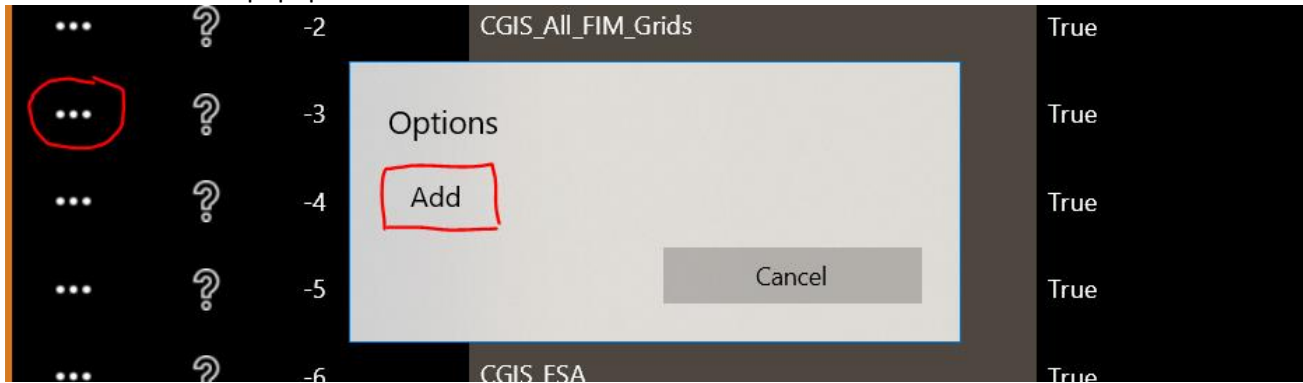


4. Turn on **View All** on the top banner.

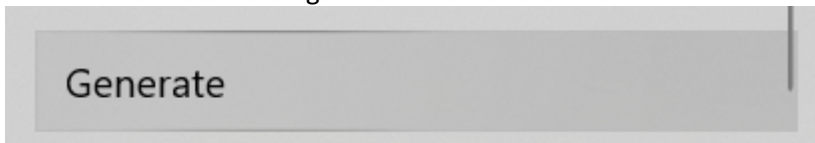


5. Look for the Key/Label name you created in 2.a. and click the three dots on the left side of the Configuration name.

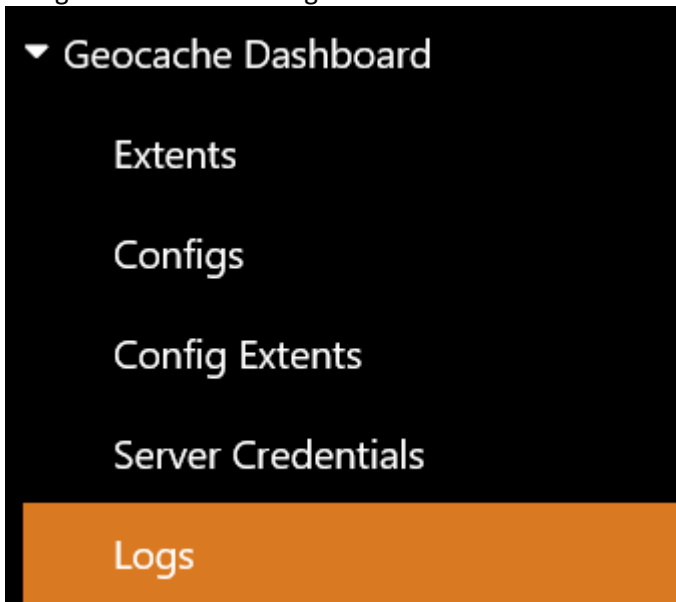
6. Click **Add** in the popup



7. Click the three dots again and now click **Generate**



8. To see if the geocache config extent was successfully generated, go to: Geocache Dashboard > Logs. Look for the configuration name created in 2.a to see if Success is recorded True.



## Glossary

1. Geocaching - Generates data for offline Lemur Pro use.
2. Hub Connector – The intermediary between Lemur Pro and Lemur Hub. This allows you to download and view offline data.
3. Layer – A logical collection of geographical data that is used to create maps.
4. Replica – A copy of data across two or more geodatabases that are synchronized.
5. Delta (table) – The geodatabase system that records version changes.
6. Sync – Allows Lemur Pro/ArcGIS clients to create and edit a local copy of a feature's service data and synchronize those changes with the feature service on the Lemur Pro/ArcGIS server.