

Lemur™

Introduction to Lemur Admin Pro

Limited External Use

Lemur Pro is an Esri-based GIS application that provides world-class offline-capable GIS capabilities and a streamlined user experience. Lemur Admin Pro allows developers to add, modify, or remove Lemur Pro data such as environments, bundles, or geocaches. This document will show you how to access Lemur Admin Pro and provide a detailed walkthrough of the software.

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Purpose of this Document

The purpose of this document is to provide a general overview of the Lemur Admin Pro application.

Environments

The **Environments** page displays 4 categories: environment, company, application, and bundle.

You may click on the **Application** drop-down menu to view the list of applications available.

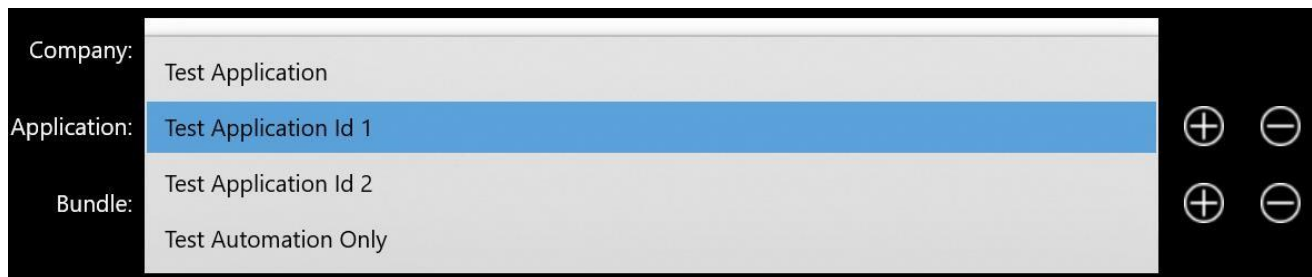


Figure 1: Application

You may also click on the **Bundle** drop-down menu to view the list of available bundles for the selected application.

Business Data Files

The **Business Data Files** page displays JSON files that can contain sample business data. Sample data is typically only used in Development or Testing workflows.

You can view, edit, or remove a data file by clicking on the ellipsis next to the corresponding data file.

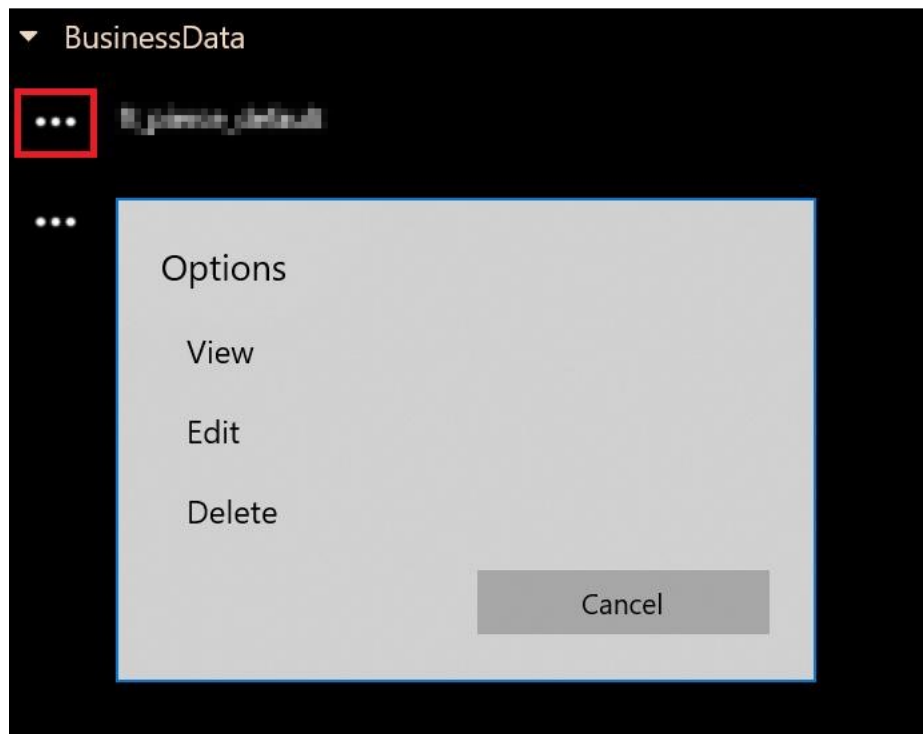


Figure 2: Business Data Files Options

You can add new business data files by clicking **New** near the top of the page.



Figure 3: New Data File

Bundle JSON

The Bundle JSON page allows the user to add, modify, or remove data that exists in the bundle being viewed.

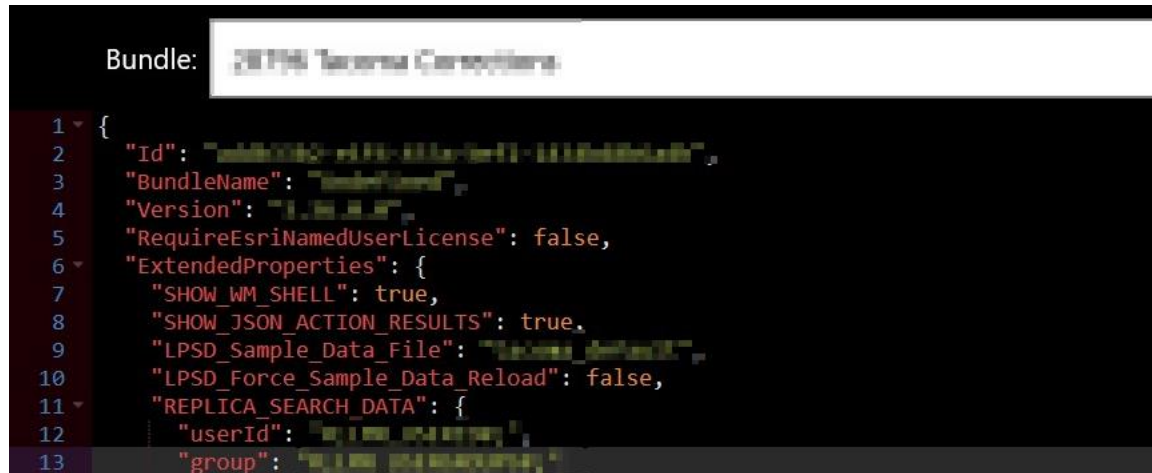


Figure 4: Bundle JSON

Client Credentials

The **Client Credentials** page displays credentials defined in the selected bundle.

You can view, edit, or remove a credential by clicking on the ellipsis next to the corresponding credential.

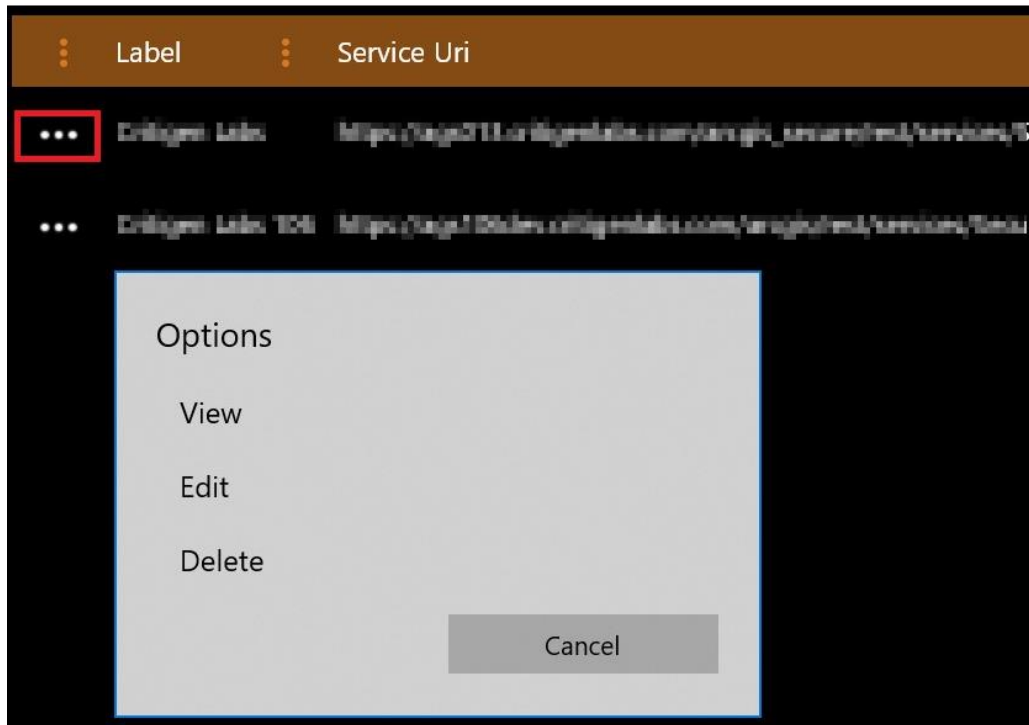


Figure 5: Credential Options

You can create a new client credential by clicking New in the **toolbar** above.

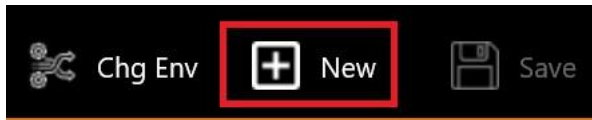


Figure 6: New Credential

To create a new client credential, you will need:

- Label
- Service Uri
- Token service Uri
- Username
- Password

Geocache Dashboard

The **Geocache Dashboard** displays an overview of the activity regarding geocache generation, including the following:

- Cache processes in progress
- Active caches
- Cache file sizes
- Cache run logs

As of: 3/29/2023 1:18 PM

Cache In Process			
Processing		Queued	
0		0	
Active Counts and Sizes			
Active Counts		Cache File Sizes	
Total	36	Count	Size in Bytes
Auto-generated	24	Config is Inactive	0
Manually generated	12	Ready Files	898,758,256
No cache exists	1	To Be Deleted	4,632,452
Has cache, but none Ready	0	Total	6,941,453,982
Cache Run Logs			

Figure 7: Geocache Dashboard

Extents

The **Extents** page displays the defined extents for the selected application.

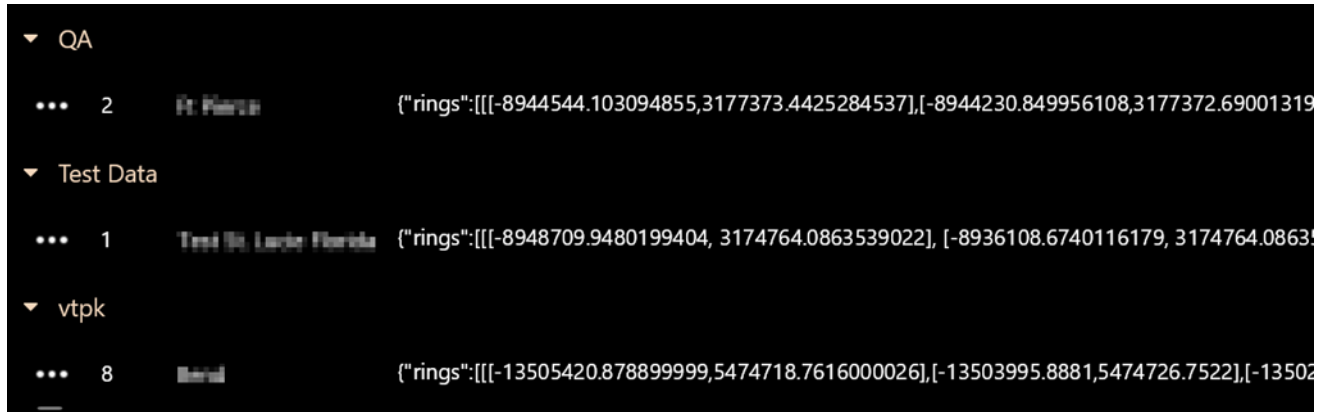


Figure 8: Extents

You can view, edit, or remove an extent by clicking on the ellipsis next to the corresponding extent.

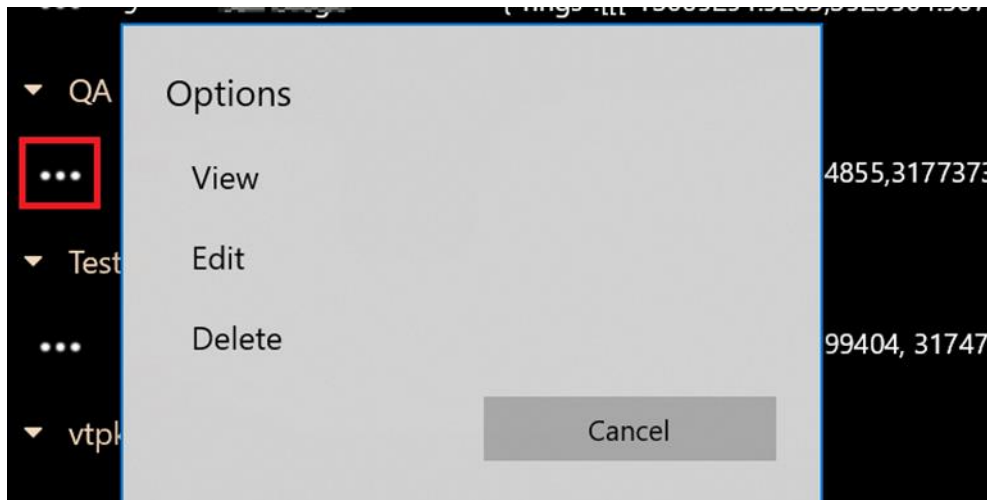


Figure 9: Extent Options

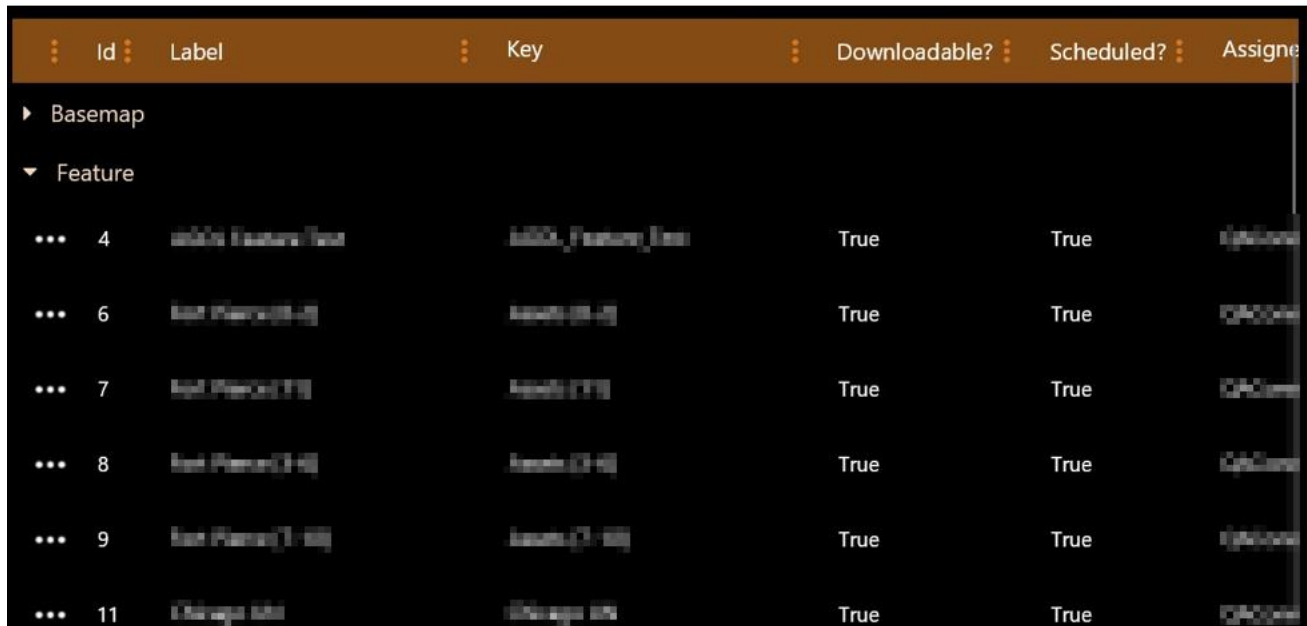
You may also create a new extent or import/export an extent from the toolbar at the top of the page.



Figure 10: Extents Toolbar

Configs

The **Configs** page displays a list of map configurations, i.e., base maps or feature services, which are defined for the selected application.



	Id	Label	Key	Downloadable?	Scheduled?	Assignee
▶		Basemap				
▼		Feature				
...	4	Feature Item	Feature Item	True	True	Assignee
...	6	Feature Item	Feature Item	True	True	Assignee
...	7	Feature Item	Feature Item	True	True	Assignee
...	8	Feature Item	Feature Item	True	True	Assignee
...	9	Feature Item	Feature Item	True	True	Assignee
...	11	Feature Item	Feature Item	True	True	Assignee

Figure 11: Configs

You can view, edit, or remove a configuration by clicking on the ellipsis next to its corresponding configuration.

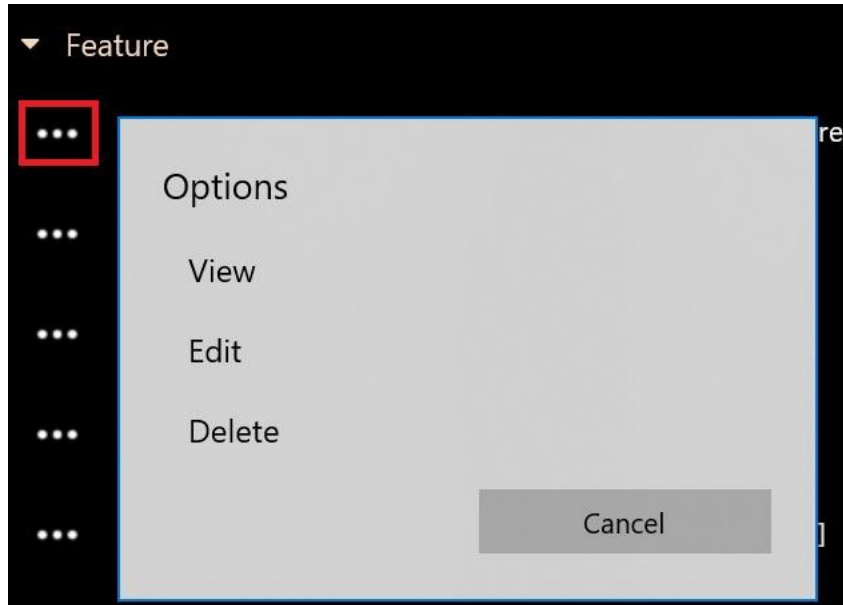


Figure 12: Config Options

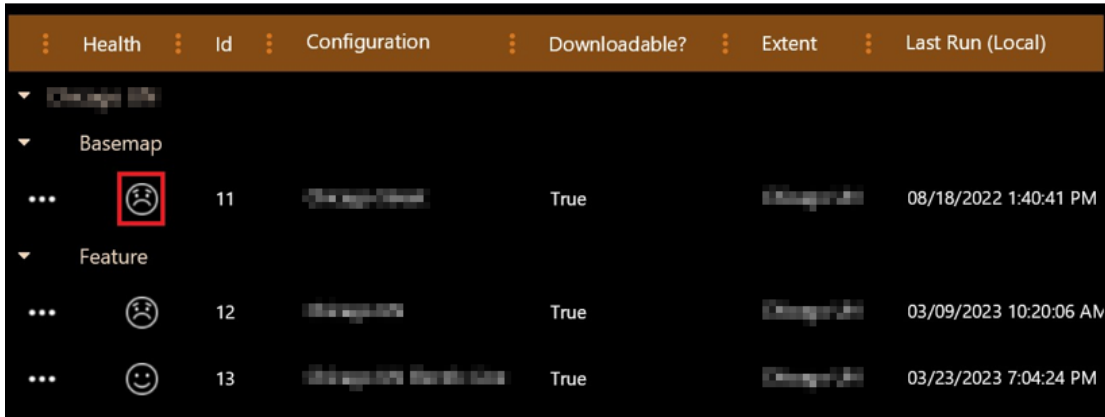
You may also create a new configuration or import/export a configuration from the toolbar at the top of the page.



Figure 13: Configs Toolbar

Config Extents

The **Config Extents** page allows you to view the health of a config extent and modify its configuration as needed. Extents with a health status of “frowny face” have one or more issues that need to be addressed. Extents with a health status of “smiley face” are healthy and require no changes.






	Health	Id	Configuration	Downloadable?	Extent	Last Run (Local)
▼ [Change] [Info]						
▼ Basemap						
...		11	[Change] [Info]	True	[Change] [Info]	08/18/2022 1:40:41 PM
▼ Feature						
...		12	[Change] [Info]	True	[Change] [Info]	03/09/2023 10:20:06 AM
...		13	[Change] [Info] [Read Only]	True	[Change] [Info]	03/23/2023 7:04:24 PM

Figure 14: Config Extents

Clicking on the ellipsis next to a config extent allows you to perform one of the following actions:

- Copy ID
- View
- Edit
- Delete
- Upload
- Generate
- Generate New Prime (only available if the config is defined to have deltas)

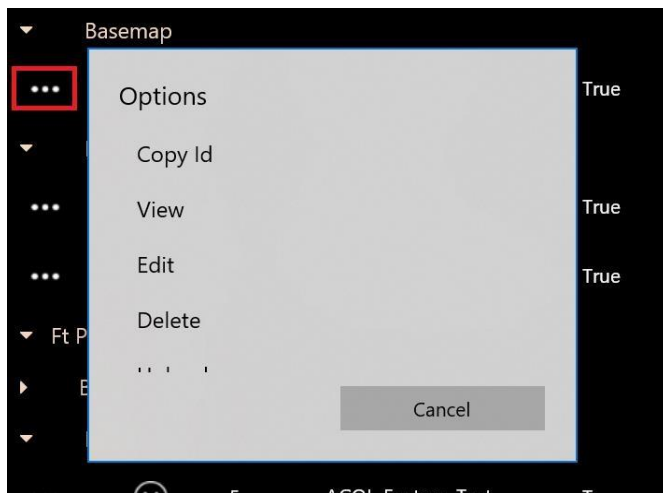


Figure 15: Config Extent Options

Locked

The **Locked** page displays a list of config extents that are no longer queued and need attention as they are no longer being automatically generated. Config extents become locked when they have failed to successfully generate cache repeatedly.

	Queued	Id	Configuration	Extent	Extent	Last Run
<input type="checkbox"/>	False	12	Chicago LM	Chicago LM	Chicago LM	03/09/2023 4:20:06 PM
<input type="checkbox"/>	False	11	Chicago Street	Chicago LM	Chicago LM	08/18/2022 6:40:41 PM
<input type="checkbox"/>	False	2	ASCH, USA, Tapes (Manual upload)	Nagasaki	Nagasaki	11/24/2022 1:19:31 AM
<input type="checkbox"/>	False	38	US National Grid	US Power Dip	US Power Dip	Not Run Yet

Figure 16: Locked

You can click on a checkbox beside one of the caches and click **Generate Selected** to mark the cache “to be generated”. This will attempt to regenerate the cache. However, if the error that puts this Cache Extent into a locked state has not been resolved, the cache extent is likely to become locked once again. Therefore, It is best to use this option only once the failure condition that locked this Cache Extent has been resolved.

	Clear Selections		Generate Selected
	Queued	Id	Configuration
<input checked="" type="checkbox"/>	False	12	Chicago LM
<input type="checkbox"/>	False	11	Chicago Street
<input type="checkbox"/>	False	2	ASCH, USA, Tapes (M
<input type="checkbox"/>	False	38	US National Grid

Figure 17: Generate Selected

Service Credentials

The **Service Credentials** page shows the list of Token Services defined and used by bundles in this Hub. You can view, edit, or remove a credential by clicking on the ellipsis next to its corresponding credential.

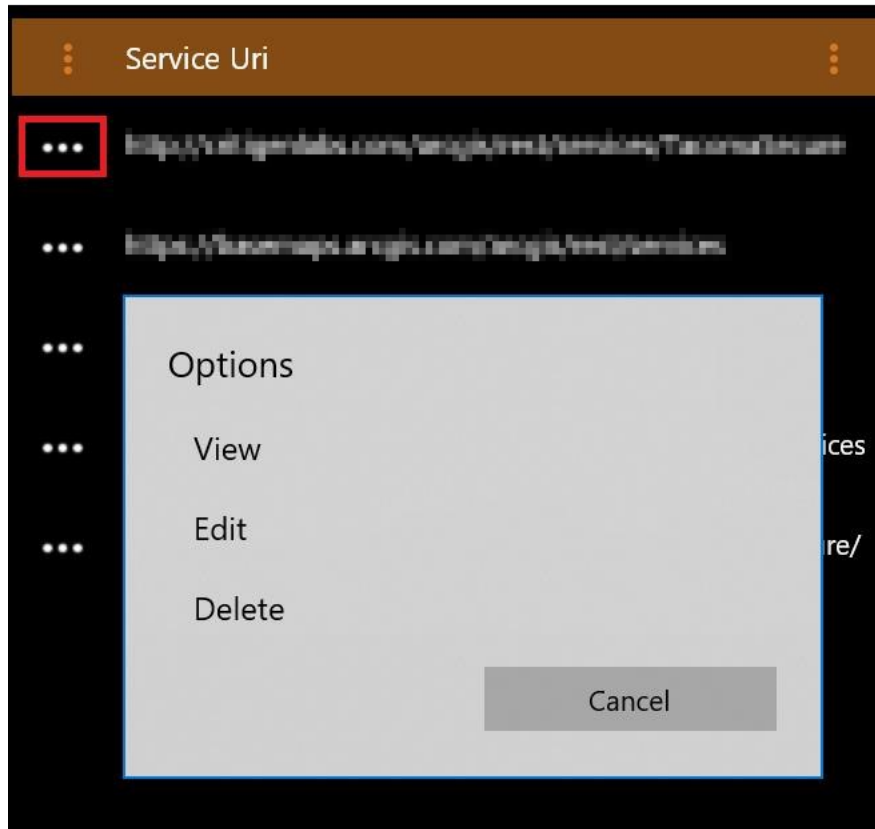


Figure 18: Service Credential Options

You can add new service credentials by clicking **New** inside of the toolbar near the top of the page. To create a new credential, you will need:

- Service Uri
- Token service Uri
- Username
- Password



Figure 19: New Service Credential

Logs

The **Logs** page displays a list of caches that have attempted to generate and if the cache was generated successfully or not.



	Id	Configuration	Extent	Last Run (Local)	Success ?
▼ Chicago-123	...	...	...	...	...
...	2845	Chicago-123-Example-123	Chicago-123	3/23/2023 7:04:24 PM	True
...	2827	Chicago-123-Example-123	Chicago-123	3/22/2023 4:07:41 PM	False
...	2774	Chicago-123-Example-123	Chicago-123	3/16/2023 7:03:13 PM	True
...	1681	Chicago-123-Example-123	Chicago-123	3/9/2023 6:03:12 PM	True

Figure 20: Logs

You can view or remove a log by clicking on the ellipsis next to its corresponding log.

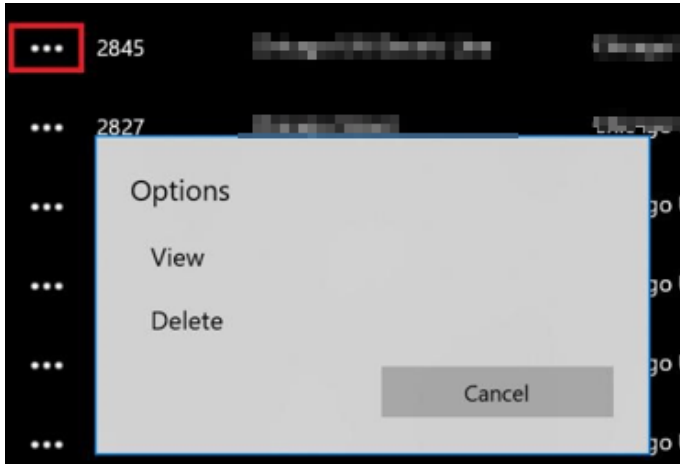


Figure 21: Log Options

Settings

The **Settings** page displays cache and log settings that can be viewed and/or changed.



⋮	Key	⋮	Value	⋮	Description
...	ACCESSLOG_RETENTION_DAYS		30		The number of days to keep the access logs
...	AUDITLOG_RETENTION_DAYS		30		The number of days to keep the audit logs
...	REPLICASERVICE_CREATEERRORRECOVERYDELAYMINUTES		60		Time to delay before resetting the error count for replica
...	REPLICASERVICE_MAXCREATEERRORRETRIES		2		Maximum number of times that a failed replica creation
...	REPLICASERVICE_MAXUPDATEERRORRETRIES		2		Maximum number of times that a failed replica update v

Figure 22: Settings

Files

The **Files** page displays a list of generated cache files that can be viewed or downloaded. These can be filtered using the 'Set Filters' option in the header toolbar.

Extent: Any Config: Any Status: Ready

	Id	Created (Local)	File Name	Status	Size (bytes)	#
▼			Chicago 101			
▼			Chicago 102			
▼			Chicago 103			
...	71	8/18/2022 1:40:41 PM	Chicago_101_102_103_104_105_106_107_108_109_110_111_112_113_114_115_116_117_118_119_120_121_122_123_124_125_126_127_128_129_130_131_132_133_134_135_136_137_138_139_140_141_142_143_144_145_146_147_148_149_150_151_152_153_154_155_156_157_158_159_160_161_162_163_164_165_166_167_168_169_170_171_172_173_174_175_176_177_178_179_180_181_182_183_184_185_186_187_188_189_190_191_192_193_194_195_196_197_198_199_200_201_202_203_204_205_206_207_208_209_210_211_212_213_214_215_216_217_218_219_220_221_222_223_224_225_226_227_228_229_230_231_232_233_234_235_236_237_238_239_240_241_242_243_244_245_246_247_248_249_250_251_252_253_254_255_256_257_258_259_260_261_262_263_264_265_266_267_268_269_270_271_272_273_274_275_276_277_278_279_280_281_282_283_284_285_286_287_288_289_290_291_292_293_294_295_296_297_298_299_300_301_302_303_304_305_306_307_308_309_310_311_312_313_314_315_316_317_318_319_320_321_322_323_324_325_326_327_328_329_330_331_332_333_334_335_336_337_338_339_340_341_342_343_344_345_346_347_348_349_350_351_352_353_354_355_356_357_358_359_360_361_362_363_364_365_366_367_368_369_370_371_372_373_374_375_376_377_378_379_380_381_382_383_384_385_386_387_388_389_390_391_392_393_394_395_396_397_398_399_400_401_402_403_404_405_406_407_408_409_410_411_412_413_414_415_416_417_418_419_420_421_422_423_424_425_426_427_428_429_430_431_432_433_434_435_436_437_438_439_440_441_442_443_444_445_446_447_448_449_450_451_452_453_454_455_456_457_458_459_460_461_462_463_464_465_466_467_468_469_470_471_472_473_474_475_476_477_478_479_480_481_482_483_484_485_486_487_488_489_490_491_492_493_494_495_496_497_498_499_500_501_502_503_504_505_506_507_508_509_510_511_512_513_514_515_516_517_518_519_520_521_522_523_524_525_526_527_528_529_530_531_532_533_534_535_536_537_538_539_540_541_542_543_544_545_546_547_548_549_550_551_552_553_554_555_556_557_558_559_560_561_562_563_564_565_566_567_568_569_570_571_572_573_574_575_576_577_578_579_580_581_582_583_584_585_586_587_588_589_590_591_592_593_594_595_596_597_598_599_600_601_602_603_604_605_606_607_608_609_610_611_612_613_614_615_616_617_618_619_620_621_622_623_624_625_626_627_628_629_630_631_632_633_634_635_636_637_638_639_640_641_642_643_644_645_646_647_648_649_650_651_652_653_654_655_656_657_658_659_660_661_662_663_664_665_666_667_668_669_670_671_672_673_674_675_676_677_678_679_680_681_682_683_684_685_686_687_688_689_690_691_692_693_694_695_696_697_698_699_700_701_702_703_704_705_706_707_708_709_710_711_712_713_714_715_716_717_718_719_720_721_722_723_724_725_726_727_728_729_730_731_732_733_734_735_736_737_738_739_740_741_742_743_744_745_746_747_748_749_750_751_752_753_754_755_756_757_758_759_760_761_762_763_764_765_766_767_768_769_770_771_772_773_774_775_776_777_778_779_780_781_782_783_784_785_786_787_788_789_790_791_792_793_794_795_796_797_798_799_800_801_802_803_804_805_806_807_808_809_810_811_812_813_814_815_816_817_818_819_820_821_822_823_824_825_826_827_828_829_830_831_832_833_834_835_836_837_838_839_840_841_842_843_844_845_846_847_848_849_850_851_852_853_854_855_856_857_858_859_860_861_862_863_864_865_866_867_868_869_870_871_872_873_874_875_876_877_878_879_880_881_882_883_884_885_886_887_888_889_890_891_892_893_894_895_896_897_898_899_900_901_902_903_904_905_906_907_908_909_910_911_912_913_914_915_916_917_918_919_920_921_922_923_924_925_926_927_928_929_930_931_932_933_934_935_936_937_938_939_940_941_942_943_944_945_946_947_948_949_950_951_952_953_954_955_956_957_958_959_960_961_962_963_964_965_966_967_968_969_970_971_972_973_974_975_976_977_978_979_980_981_982_983_984_985_986_987_988_989_990_991_992_993_994_995_996_997_998_999_1000_1001_1002_1003_1004_1005_1006_1007_1008_1009_1010_1011_1012_1013_1014_1015_1016_1017_1018_1019_1020_1021_1022_1023_1024_1025_1026_1027_1028_1029_1030_1031_1032_1033_1034_1035_1036_1037_1038_1039_1040_1041_1042_1043_1044_1045_1046_1047	Ready	6,950,573	0
▼			Feature			
▼			Chicago 104			
...	1587	3/9/2023 10:11:15 AM	Chicago_101_102_103_104_105_106_107_108_109_110_111_112_113_114_115_116_117_118_119_120_121_122_123_124_125_126_127_128_129_130_131_132_133_134_135_136_137_138_139_140_141_142_143_144_145_146_147_148_149_150_151_152_153_154_155_156_157_158_159_160_161_162_163_164_165_166_167_168_169_170_171_172_173_174_175_176_177_178_179_180_181_182_183_184_185_186_187_188_189_190_191_192_193_194_195_196_197_198_199_200_201_202_203_204_205_206_207_208_209_210_211_212_213_214_215_216_217_218_219_220_221_222_223_224_225_226_227_228_229_230_231_232_233_234_235_236_237_238_239_240_241_242_243_244_245_246_247_248_249_250_251_252_253_254_255_256_257_258_259_260_261_262_263_264_265_266_267_268_269_270_271_272_273_274_275_276_277_278_279_280_281_282_283_284_285_286_287_288_289_290_291_292_293_294_295_296_297_298_299_300_301_302_303_304_305_306_307_308_309_310_311_312_313_314_315_316_317_318_319_320_321_322_323_324_325_326_327_328_329_330_331_332_333_334_335_336_337_338_339_340_341_342_343_344_345_346_347_348_349_350_351_352_353_354_355_356_357_358_359_360_361_362_363_364_365_366_367_368_369_370_371_372_373_374_375_376_377_378_379_380_381_382_383_384_385_386_387_388_389_390_391_392_393_394_395_396_397_398_399_400_401_402_403_404_405_406_407_408_409_410_411_412_413_414_415_416_417_418_419_420_421_422_423_424_425_426_427_428_429_430_431_432_433_434_435_436_437_438_439_440_441_442_443_444_445_446_447_448_449_450_451_452_453_454_455_456_457_458_459_460_461_462_463_464_465_466_467_468_469_470_471_472_473_474_475_476_477_478_479_480_481_482_483_484_485_486_487_488_489_490_491_492_493_494_495_496_497_498_499_500_501_502_503_504_505_506_507_508_509_510_511_512_513_514_515_516_517_518_519_520_521_522_523_524_525_526_527_528_529_530_531_532_533_534_535_536_537_538_539_540_541_542_543_544_545_546_547_548_549_550_551_552_553_554_555_556_557_558_559_560_561_562_563_564_565_566_567_568_569_570_571_572_573_574_575_576_577_578_579_580_581_582_583_584_585_586_587_588_589_590_591_592_593_594_595_596_597_598_599_600_601_602_603_604_605_606_607_608_609_610_611_612_613_614_615_616_617_618_619_620_621_622_623_624_625_626_627_628_629_630_631_632_633_634_635_636_637_638_639_640_641_642_643_644_645_646_647_648_649_650_651_652_653_654_655_656_657_658_659_660_661_662_663_664_665_666_667_668_669_670_671_672_673_674_675_676_677_678_679_680_681_682_683_684_685_686_687_688_689_690_691_692_693_694_695_696_697_698_699_700_701_702_703_704_705_706_707_708_709_710_711_712_713_714_715_716_717_718_719_720_721_722_723_724_725_726_727_728_729_730_731_732_733_734_735_736_737_738_739_740_741_742_743_744_745_746_747_748_749_750_751_752_753_754_755_756_757_758_759_760_761_762_763_764_765_766_767_768_769_770_771_772_773_774_775_776_777_778_779_780_781_782_783_784_785_786_787_788_789_790_791_792_793_794_795_796_797_798_799_800_801_802_803_804_805_806_807_808_809_810_811_812_813_814_815_816_817_818_819_820_821_822_823_824_825_826_827_828_829_830_831_832_833_834_835_836_837_838_839_840_841_842_843_844_845_846_847_848_849_850_851_852_853_854_855_856_857_858_859_860_861_862_863_864_865_866_867_868_869_870_871_872_873_874_875_876_877_878_879_880_881_882_883_884_885_886_887_888_889_890_891_892_893_894_895_896_897_898_899_900_901_902_903_904_905_906_907_908_909_910_911_912_913_914_915_916_917_918_919_920_921_922_923_924_925_926_927_928_929_930_931_932_933_934_935_936_937_938_939_940_941_942_943_944_945_946_947_948_949_950_951_952_953_954_955_956_957_958_959_960_961_962_963_964_965_966_967_968_969_970_971_972_973_974_975_976_977_978_979_980_981_982_983_984_985_986_987_988_989_990_991_992_993_994_995_996_997_998_999_1000_1001_1002_1003_1004_1005_1006_1007_1008_1009_1010_1011_1012_1013_1014_1015_1016_1017_1018_1019_1020_1021_1022_1023_1024_1025_1026_1027_1028_1029_1030_1031_1032_1033_1034_1035_1036_1037_1038_1039_1040_1041_1042_1043_1044_1045_1046_1047	Ready	6,937,219	0

Figure 23: Files

You can view or download a file by clicking on the ellipsis next to its corresponding file.

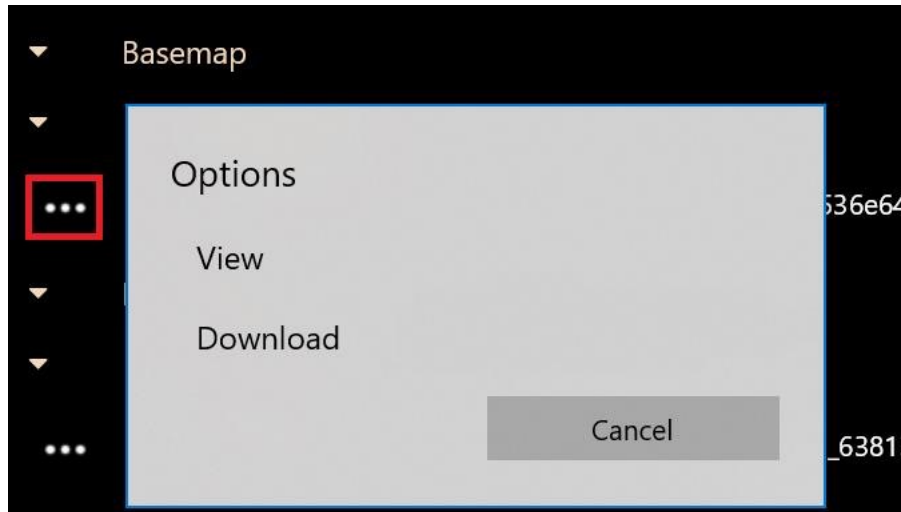


Figure 24: File Options

Hub Connector Dashboard

The Hub Connector Dashboard page displays a list of registered Lemur Hub connectors as well as a summary of the work it has performed.



	Id	Hub Connector	Status	In Process	Successes	Canceled	Errors	Last 24 Hours
...	3	Longview 2023-11-1	Online	0	1	0	0	0
...	1	Longview 2023-11-1	Online	0	278	7	15	2

Figure 25: Hub Connector Dashboard

You can view recent tasks and recent errors by clicking on the ellipsis next to a hub connector.

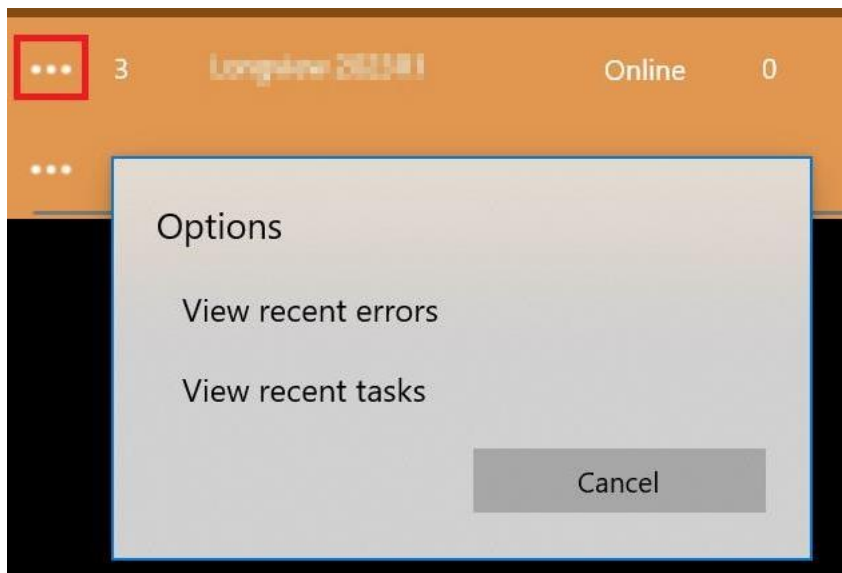
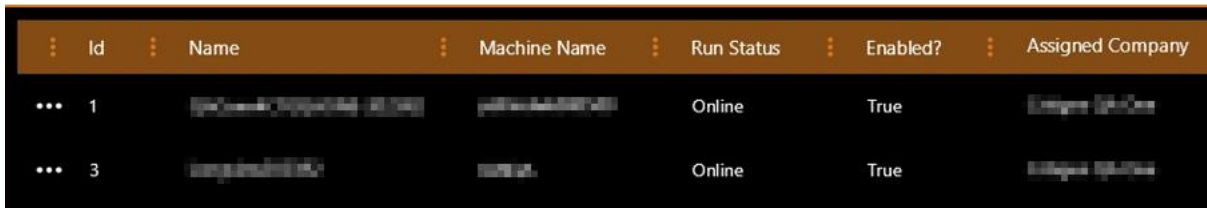


Figure 26: Hub Connector Options

Hub Connectors

The Hub Connectors page allows you to view the configuration details of each hub connector for your company.

Note that a new Hub Connector can only be edited when logged in as a system administrator user, and not as a company administrator.



...	Id	...	Name	...	Machine Name	...	Run Status	...	Enabled?	...	Assigned Company
...	1	...	...	...	...	...	Online	...	True	...	...
...	3	...	...	...	...	...	Online	...	True	...	...

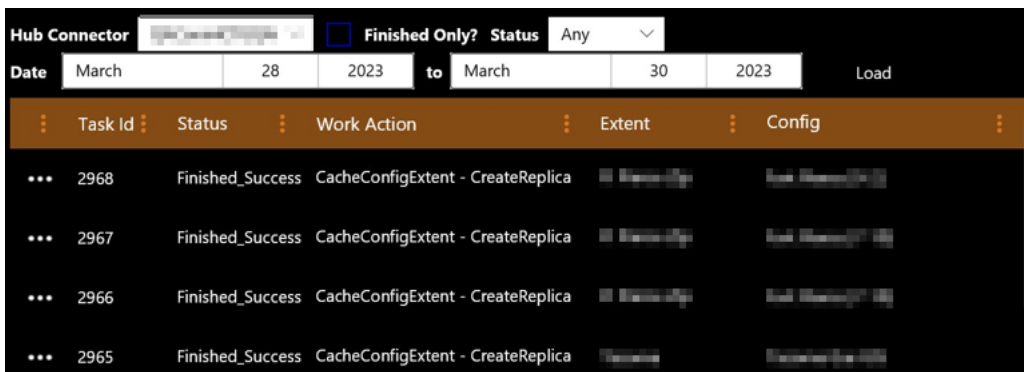
Figure 27: Hub Connectors

Tasks List

The Task List page displays a list of tasks that took place inside of a hub connector. You can apply the following filters to these tasks:

- Hub connector
- Date
- Status

Once the filter options are set as desired, click the Load button to load the tasks



Task Id	Status	Work Action	Extent	Config
2968	Finished_Success	CacheConfigExtent - CreateReplica		
2967	Finished_Success	CacheConfigExtent - CreateReplica		
2966	Finished_Success	CacheConfigExtent - CreateReplica		
2965	Finished_Success	CacheConfigExtent - CreateReplica		

Figure 28: Tasks List

Custom Headers

The Custom Headers page is used to define headers that are passed to ArcGIS when generating cache.

	Name	Value
...	custom header name test1	custom header value test1
...	Dynamic form test name	Dynamic form test value

Figure 29: Custom Headers Home Page

To create a new custom header, click **New** at the top of the page.

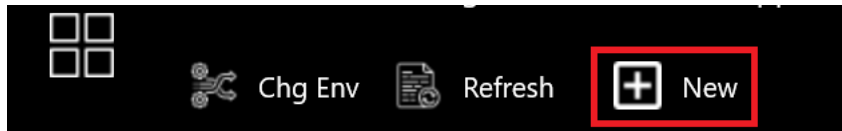


Figure 30: Create Custom Header


Enter the name and value of your custom header, then click OK (save).

Name	<input type="text" value="Custom Header Name"/>
Value	<input type="text" value="Custom Header Value"/>

Figure 31: Custom Header Name and Value

Custom URLs

The Custom URLs page is used to send custom headers for a given URL.



Name	URL	Headers
custom url test1	https://www.test.com/	
dynamic form test URL name	https://www.test.com	Dynamic form test name

Figure 32: Custom URLs Home Page

To create a new custom URL, click **New** at the top of the page.

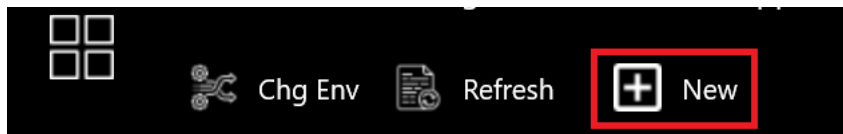


Figure 33: Create Custom URL

Enter the name and URL, then click OK (save). You may assign a header to your custom URL if necessary.



Name
custom url test1

URL
https://www.test.com/

Assigned Headers
<No Value>

Figure 34: Custom URL Values

You can view a task by clicking on the ellipsis next to a task.

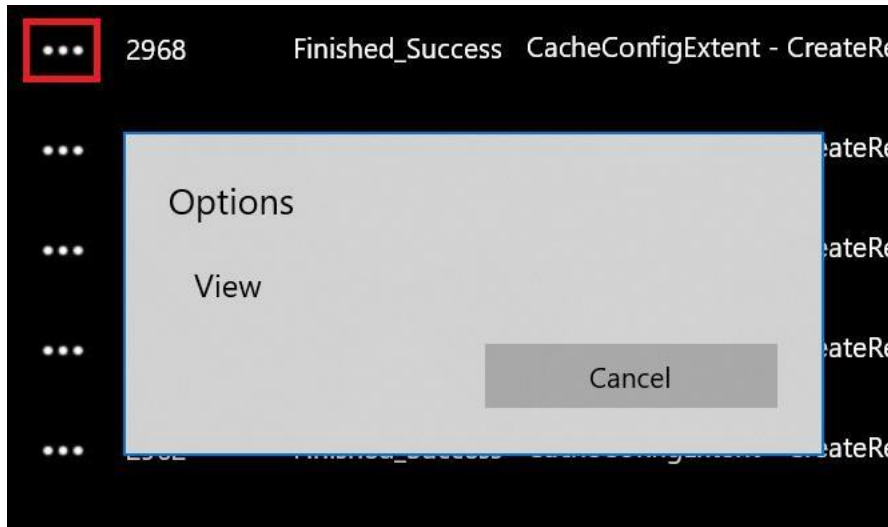


Figure 35: Task Options

Reported Problems

The Reported Problems page shows a list of reported issues. Reported Problems may be user-submitted or automatically generated if the Lemur Pro application detected a crash in the previous session. You can apply the following filters to this list:

- Status (open/closed)
- Status Date

Clicking on the “eye” icon allows you to view additional details about the report.




Filter	Open	▼	Status Date	March	23	2023
to	March	30	2023	Load		
	Status Date	User Name	Problem Description			
	3/23/2023 2:38:46 PM	lemur@lemurplatform.com	ipsec will never work			
	3/23/2023 4:18:05 PM	Michael@lemurplatform.com	Crash detected - submitted by application			
	3/23/2023 7:05:34 PM	lemur@lemurplatform.com	Crash detected - submitted by application			

Figure 36: Reported Problems

Replica Management

The **Replica Management** page displays a current list of templates along with additional information, such as:

- Last modified date
- Is the template active?
- Can you download the template?
- Can you upload the template?

You may click on the pencil icon to edit a template. Note: editing a replica template is only for advanced users and should not be attempted without contacting a member of the Lemur Success Team.






Template Name	Last Modified	Active	Can Download	Can Uplo
 Editing with authentication...	8/15/2022 11:32:22 PM	True	True	True
 Editing with authentication...	2/20/2023 4:26:24 PM	True	True	True
 Workshop	8/15/2022 10:16:58 PM	True	True	True
 Removing Credentials	11/14/2022 8:41:27 PM	False	False	False
 Removing Credentials (2)	8/17/2022 10:05:43 PM	True	True	True

Figure 37: Replica Management

Specific template details you can modify include:

- Toggle template active/inactive
- Add/remove login credentials
- Toggle hub connectors active/inactive
- Editing errors, throttling and recovery settings

You may also add a new template after providing the following information:

- Template name
- Feature service URL
- Login credentials



Figure 38: Add Template

Edit Modules

The **Edit Modules** page displays a list of known modules. You may click on the ellipsis to deactivate or manage a module.

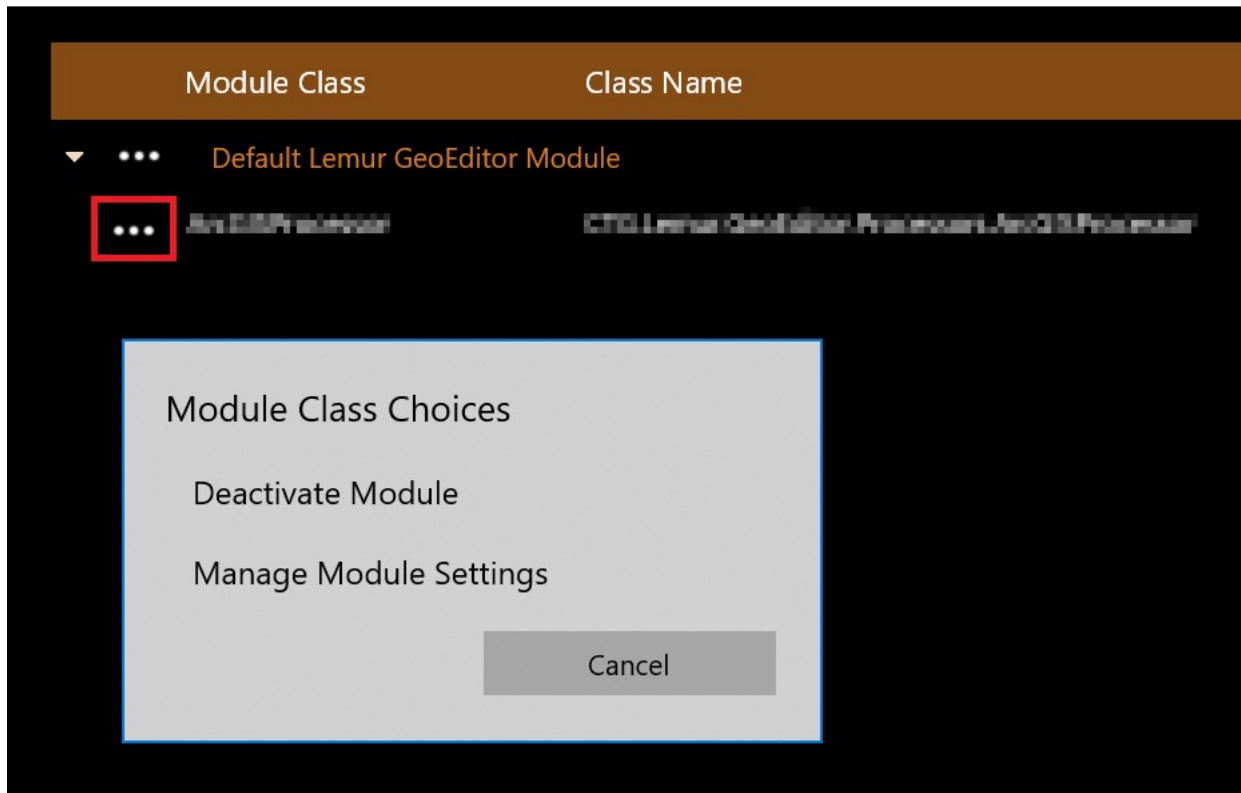
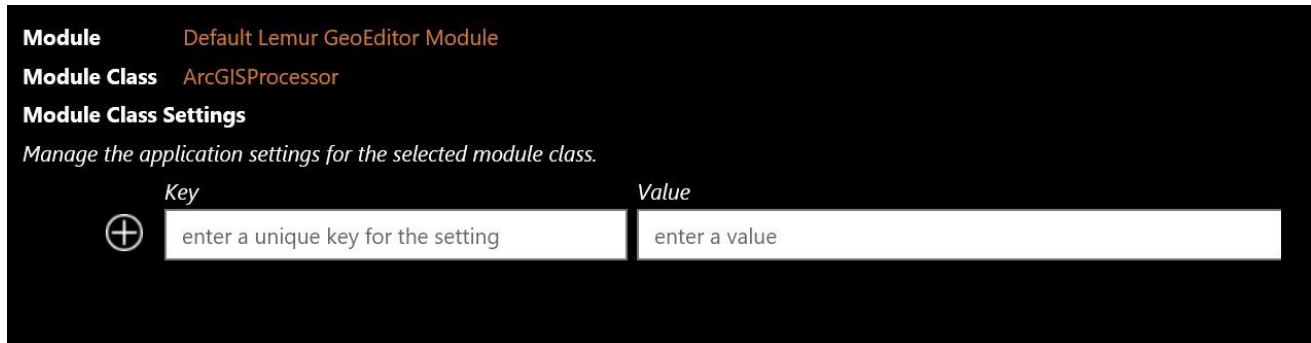


Figure 39: Edit Modules

In the **Manage Module Settings** window, you can add a unique key and value to the module.



The screenshot shows the 'Manage Module Settings' window. At the top, it displays 'Module' as 'Default Lemur GeoEditor Module' and 'Module Class' as 'ArcGISProcessor'. Below this, the section 'Module Class Settings' is titled, followed by the instruction 'Manage the application settings for the selected module class.' A table with two columns, 'Key' and 'Value', is shown. The 'Key' column has a placeholder text 'enter a unique key for the setting' and a plus icon to its left. The 'Value' column has a placeholder text 'enter a value'.


Key	Value
 enter a unique key for the setting	enter a value

Figure 40: Manage Module Settings

Replica File Queue

The **Replica File Queue** page displays a list of replica file creation/update tasks.

Template	Any			Status	Any			<input checked="" type="checkbox"/> Errors Only	<input type="checkbox"/> Locked Only				
Modified	March	28	2023	To	March	30	2023	Load					
	⋮	Id	⋮	Template	⋮	Status	⋮	Modified Date	⋮	Run Log Errors	⋮	Locked	⋮
...	59			Private Certificate		Update - Locked		3/29/2023 2:54:59 PM		2		True	
...	61			Website		Update - Complete		3/29/2023 2:04:39 PM		4		False	
...	60			Website		Update - Complete		3/29/2023 2:04:38 PM		4		False	

Figure 41: Replica File Queue

You can apply the filters below to your search.

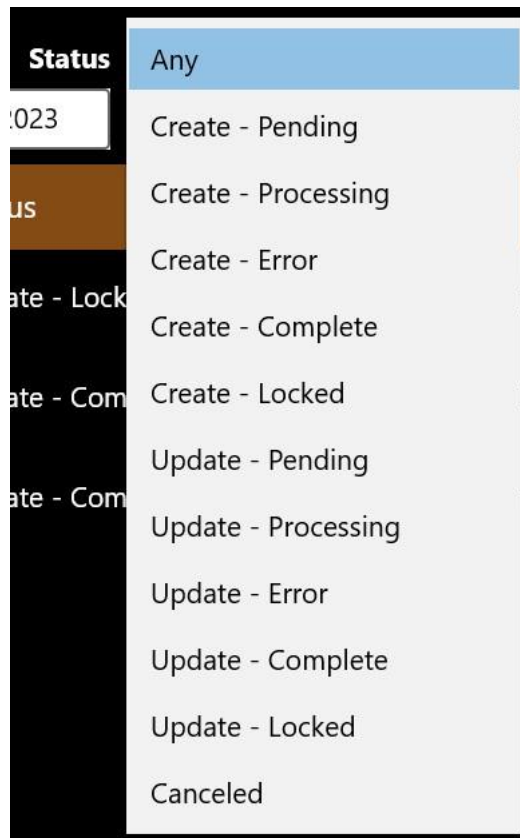


Figure 42: Replica File Filters

Clicking on the ellipsis next to the corresponding item allows you to perform the following tasks:

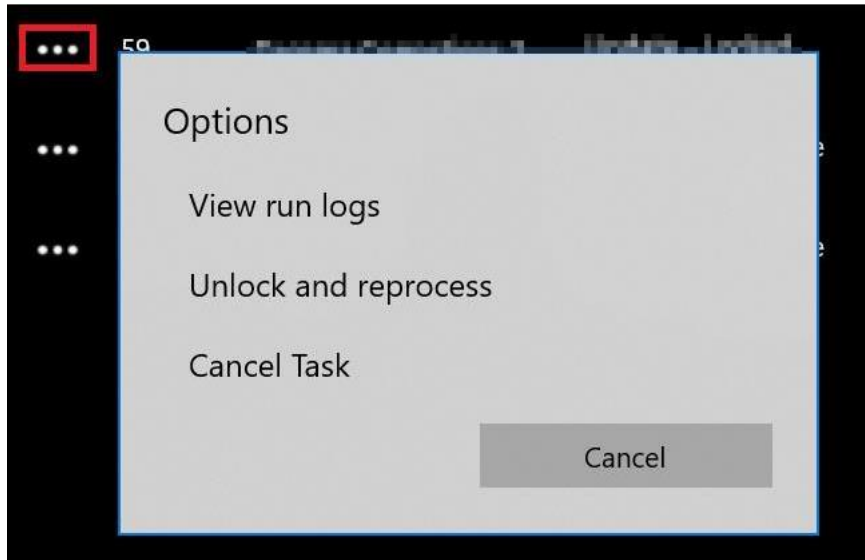


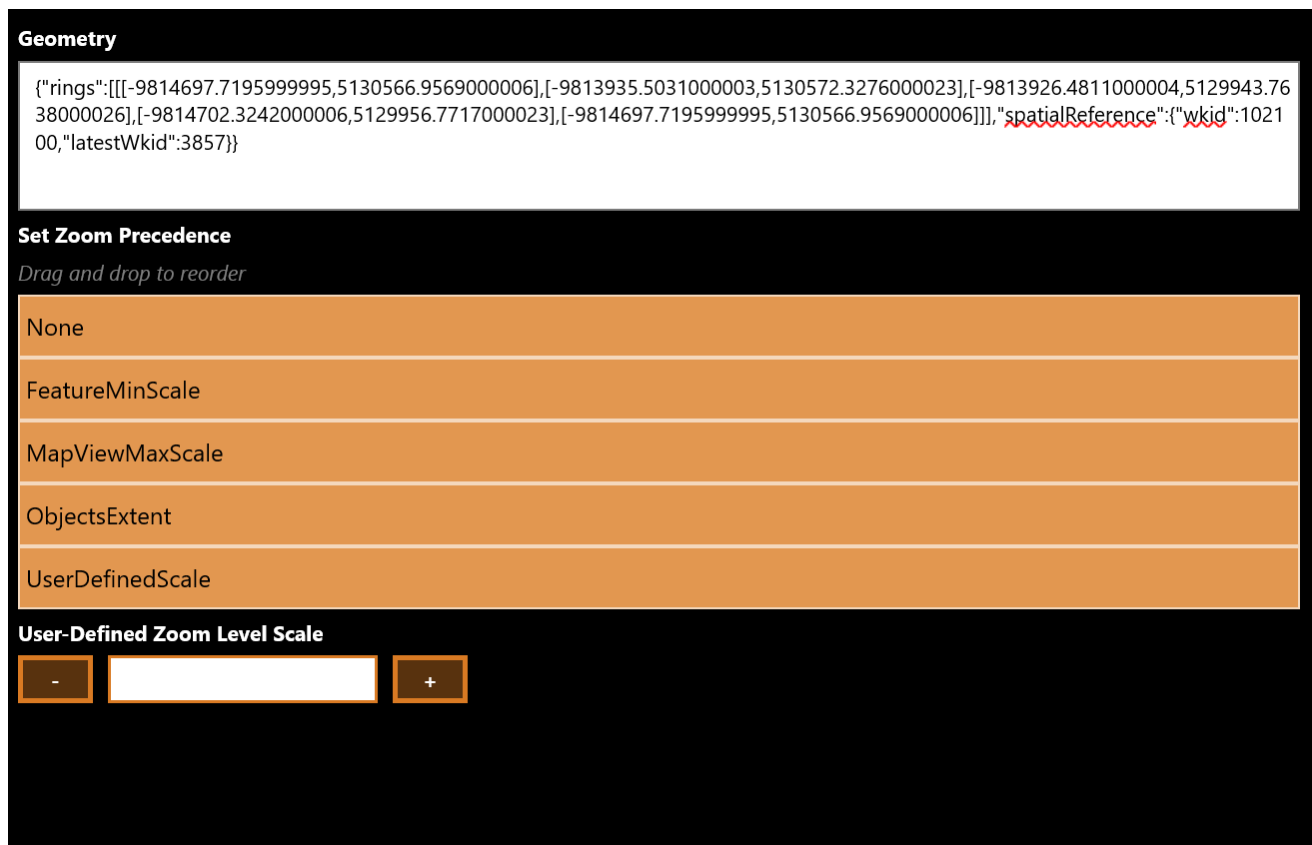
Figure 43: Replica File Options

Tools

This section consists of several tools that are useful for testing functionality in Lemur Pro, including deep links.

Zoom to Location Scheme Builder

The **Zoom to Location Scheme Builder** allows you to set up individual “zoom to location” configurations. To create your own configuration, paste your geometry data in JSON format, then set your zoom precedence and user-defined zoom level scale.



Geometry

```
{ "rings": [[ [-9814697.7195999995, 5130566.9569000006], [-9813935.5031000003, 5130572.3276000023], [-9813926.4811000004, 5129943.7638000026], [-9814702.3242000006, 5129956.7717000023], [-9814697.7195999995, 5130566.9569000006]] ], "spatialReference": { "wkid": 102100, "latestWkid": 3857 } }
```

Set Zoom Precedence
Drag and drop to reorder

- None
- FeatureMinScale
- MapViewMaxScale
- ObjectsExtent
- UserDefinedScale

User-Defined Zoom Level Scale

- [] +

Figure 44: Zoom to Location Scheme Builder

You can import a premade “zoom to location scheme” by clicking **Import** and pasting the scheme’s URL into the box. The Invoke feature allows you to send the configured deep link to Lemur Pro.



Figure 45: Zoom to Location Scheme Builder Toolbar

Zoom to Objects Scheme Builder

The Zoom to Objects Scheme builder allows you to set up individual “zoom to object” configurations. To set up your own configuration, click **Add** in the **Set Business Objects** box.



The screenshot shows a dark-themed toolbar with the title "Set Business Objects". Below the title is a light orange area containing two labels, "Collection Name" and "Id(s)", and a red-bordered "Add" button.

Figure 46: Setting up an Individual Zoom to Object Configuration

Enter a collection name and any associated business IDs, then click **Save**.



The screenshot shows a configuration form with two input fields. The first field is labeled "Collection Name" and contains the placeholder text "enter collection name". The second field is labeled "Id(s)" and contains the placeholder text "enter ids separated by commas". At the bottom of the form are two buttons: "Save" (highlighted with a red border) and "Cancel".

Figure 47: Entering a Collection Name and ID

Across from **Set Feature Objects**, click on **Edit**.



The screenshot shows a dark-themed toolbar with the title "Set Feature Objects". To the right of the title is a red-bordered "Edit" button. Below the title is a light orange area containing two labels, "Feature Service Label" and "Feature Unique Object Id(s)".

Figure 48: Edit

Enter a feature service label and any associated feature unique IDs, then click **Save**.

Feature Service Label

Feature Unique Object Id(s)

Figure 49: Entering a Feature Service Label and Unique ID

Toggle **Select Objects** (if necessary), then set the zoom precedence and user-defined zoom level scale.

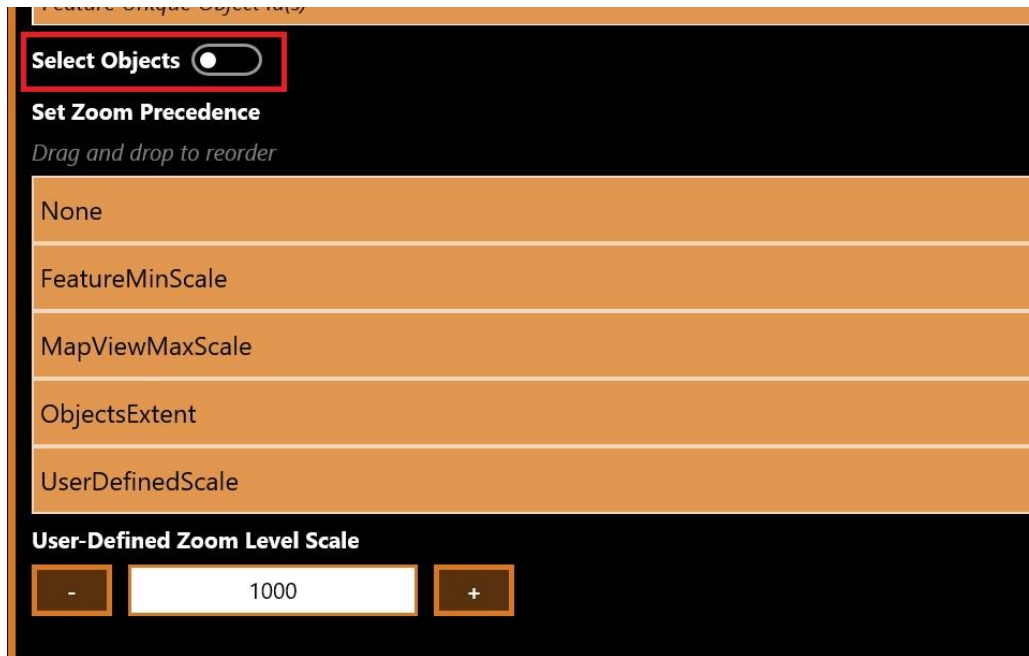


Figure 50: Set Zoom Precedence and Zoom Level Scale

You can import a premade “zoom to objects scheme” by clicking **Import** and pasting the scheme’s URL into the box. The Invoke feature allows you to send the configured deep link to Lemur Pro.



Figure 51: Import/Invoke

Load Business Objects

The **Load Business Objects** feature allows you to set up a deep link to add/update/remove a business object, and/or set a pinned object and set a zoom precedence for that object.

To add a new business object, enter the name and unique ID of the business object, then set the zoom precedence and user-defined zoom level scale.

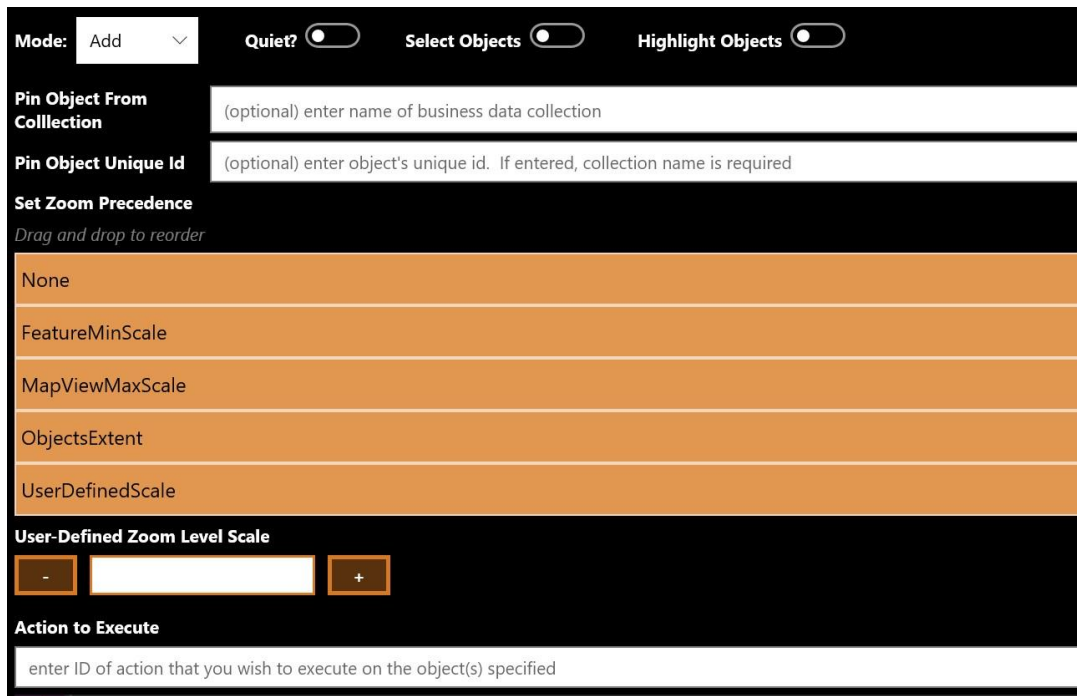


Figure 52: Adding a New Business Object

You can also execute an action on the selected object by pasting the ID of the action you want to use.



Figure 53: Action to Execute

You can import a premade “load business objects scheme” by clicking **Import** and pasting the scheme’s URL into the box. The Invoke feature allows you to send the configured deep link to Lemur Pro.



Figure 54: Import/Invoke

Audio Resources

The Audio Resource page allows you to use custom sounds in Lemur Pro for Geofence alerts. Lemur Pro supports only MP3 format for audio playback, as it is a common compressed audio format.

If you wish to use your own sound file for an event notification, go to the **Audio Resources** tab under the Tools section. Click Import, then select your MP3 audio file.

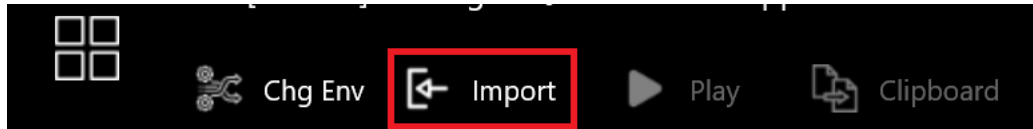


Figure 55: Import Audio File

Click **Play to Test** to ensure that Lemur Pro will be able to play your file properly.



Figure 56: Play Audio File

Click **Copy To Clipboard** to copy the encoded audio to your clipboard.



Figure 57: Copy Encoded Audio to Clipboard

To insert your audio resource into your LPC, go to **Bundle JSON**, then go to the ResourceDictionaries property.

If null, you'll need to add a new property for your language. For example:

```
"ResourceDictionaries": {  
    "EN-US": {  
    }  
}
```

Inside the appropriate language culture code, add a new resource key for your sound and the value previously copied to your clipboard. For example:

```
"ResourceDictionaries" : {  
    "EN-US": {  
        "MyEventSound" : "SUQzBAAAAAAZ1RJVDIAAAAZAAADUmV0cm8sIF....."  
    }  
}
```

Note: Be sure to set the AudioResourceKey value in your event to the name of your resource key you added.

Glossary

1. Bundle – A large file that contains up to 16,384 geographical tiles.
2. Hub Connector – Connects the user to Lemur Hub, which takes a snapshot of business data that can be used for offline use.
3. Geocache – Client-specific business data taken from Lemur Hub for offline use.
4. Replica – Describes what data has been replicated and contains the information needed to synchronize changes.
5. Esri - An American multinational geographic information system (GIS) software company. It is best known for its ArcGIS products
6. GIS - Geographic information system, a system for storing and manipulating geographical information on computer.
7. Business Object - The GIS object represents the GIS you are working with, be it Lemur Pro or ArcGIS.
8. Cache – Data stored in a cache memory
9. Access Token - An access token is generated by the logon service when a user logs on to the system and the credentials provided by the user are authenticated against the authentication database.
10. Uri - A Uniform Resource Identifier (URI) is a unique sequence of characters that identifies a logical or physical resource used by web technologies.

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