

Lookup Editor - Feature #2048

Replication of the backup lookups

09/06/2017 05:04 PM - Luke Murphey

Status: Closed	Start date: 09/15/2017
Priority: Normal	Due date:
Assignee:	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 3.0	
Description	
Subtasks:	
Task # 2066: Get basic handler working	Closed
Task # 2067: Assign handler a capability	Rejected
Task # 2068: Migrate in functions from controller	Closed
Task # 2069: Change front-end calls to handler	Closed
Task # 2070: Remove controller	Closed
Task # 2071: Sourcetype the REST handler logs	Closed
Task # 2072: Create config settings to support SHC	Closed

Associated revisions

Revision 346 - 09/18/2017 05:41 AM - lukemurphey

Initial version of REST handler

Reference #2048

Revision 349 - 09/18/2017 06:19 PM - lukemurphey

Adding support for retrieving lookup backups from the REST handler

Reference #2048

Revision 353 - 10/05/2017 07:33 AM - lukemurphey

Migrating save to the REST handler

Reference #2048

Revision 354 - 10/05/2017 07:49 AM - lukemurphey

Fixing issue where backups were not being persisted

Reference #2048

Revision 355 - 10/06/2017 06:14 AM - lukemurphey

Consolidated the save functionality into the shared library

Reference #2048

History

#1 - 09/06/2017 05:04 PM - Luke Murphey

- File `lookup_editor.tgz` added

#2 - 09/07/2017 08:18 PM - Luke Murphey

Wondering if I could just whitelist the files:

http://docs.splunk.com/Documentation/Splunk/6.6.3/Admin/Distsearchconf#REPLICATION_WHITELIST_OPTIONS

#3 - 09/07/2017 09:41 PM - Luke Murphey

The files are being stored in `/etc/apps/lookup_editor/lookup_file_backups`

#4 - 09/07/2017 09:51 PM - Luke Murphey

I could handle this by using `allowRestReplay` from <https://docs.splunk.com/Documentation/Splunk/6.6.3/Admin/Restmapconf>:

```
allowRestReplay=[true|false]
* POST/PUT/DELETE requests can be replayed on other nodes in the deployment.
* This enables centralized management.
* Turn on or off this feature. You can also control replay at each endpoint
  level. This feature is currently INTERNAL and should not be turned on without
  consulting splunk support.
* Defaults to false
```

#5 - 09/07/2017 09:53 PM - Luke Murphey

This is available on 6.3.0+ per <https://docs.splunk.com/Documentation/Splunk/6.3.0/Admin/restmapconf>.

#6 - 09/15/2017 04:41 AM - Luke Murphey

<https://github.com/jrervin/splunk-rest-examples>

#7 - 09/15/2017 04:52 AM - Luke Murphey

APIs that need to be converted:

1. **get_lookup_info**: Get information about a lookup file (owner, size, etc.)
2. **get_lookup_backups_list**: Get a list of the lookup file backups rendered as JSON.
3. **save**: save the JSON contents to the lookup file (this is the only one that must be converted to support replication)
4. **get_original_lookup_file**: provides the lookup file in a way to be downloaded by the browser.
5. **get_lookup_contents**: Provides the contents of a lookup file as JSON.

#8 - 09/15/2017 05:53 AM - Luke Murphey

This code could use some breaking up (not including the public functions above):

- Backups
 - `get_backup_files` (`getBackupFiles`)
 - `get_backup_directory` (`getBackupDirectory`)
 - `backup_lookup_file` (`backupLookupFile`)

- Shortcuts
 - append_if_not_none
 - flatten_dict
 - make_lookup_filename (makeLookupFilename)
 - is_lookup_in_users_path (isLookupInUsersPath)
 - convert_array_to_csv
 - escape_filename (escapeFilename)
 - is_file_name_valid
- Lookup
 - force_lookup_replication
 - getCapabilities4User
 - resolve_lookup_filename
 - get_kv_lookup
 - get_lookup (signature changed)
- Controller specific
 - render_error_json

#9 - 09/15/2017 07:43 AM - Luke Murphey

- backup_lookup_file: function signature has changed (moved resolved_file_path)

#10 - 09/19/2017 07:42 AM - Luke Murphey

I think I will need to break out the backups handler from the main handler so that allowRestReplay can be enabled only for backups.

#11 - 10/05/2017 07:35 AM - Luke Murphey

Some things left to do:

- Get backups to work
- Clean up post_lookup_contents() which currently does too much and has to call lookupfiles directly

#12 - 10/07/2017 06:25 AM - Luke Murphey

- Status changed from New to Closed

Files

lookup_editor.tgz	336 KB	09/06/2017	Luke Murphey
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