

Version 1.1.3

under development

New features

- **Review Restore:** it's possible to restore an entire review cycle based on review data filter, by reviewer or by response status.

Improvements

- **Reports:** it's possible to filter the any reports by response status
- **Reports:** speed optimization up to 7x in generating the reports
- **Reports:** both value and percentage are shown on the pie charts

Fixes

- **Data Edit:** bug on empty values for numerical fields
- **Form View:** is not shown anymore field name for empty values

Database Changes:

none

Version 1.1.2

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New features

- **Server-side calculated fields:** now it's possible to add calculated fields to the forms specifying a mathematical formula using the existing form fields.
- **Indexes:** indexes are used to search and discover duplicated records based on a combination of one or more fields that are expected to be unique.
- **User Permission:** the web application has now a complete redesigned security check to deny access to resources based on user roles. Users can now be associated to view or edit only form responses that contains a specific value in a specific field.
- **Custom Filter:** it's possible to define custom advanced filter on view and export data function.
- **Data Edit:** it's possible to edit form responses using the same interface of web data entry.
- **Data Review Workflow:** responses can be reviewed and any status change is recorded in the response history.

Improvements

All the heavy tasks have been refactored to support multiprocessor/multicore support to improve calculation speed and more use of RAM memory to reduce access to database.

This changes guarantee an optimal load scalability.

Fixes

Response value field has been expanded from 255 to 4000 chars in order to avoid exceptions in data entry. If the input is longer than 4000 chars, it will be truncated.

Database Schema Changes:

In order to properly upgrade GRASP Reporting the following database schema changes must be done:

01. Added table FormFieldExt
02. Added table FormFieldExtDependencies
03. Added table FormResponseReviews
04. Added table FormResponseStatus
05. Added table Indexes
06. Added table IndexFields
07. Added table IndexHASHes
08. Added table ResponseValueExt
09. Added table ResponseValueReviews
10. Added table UserFilters
11. Added table UserToFormResponses
12. Added table UserToResponseStatus

13. Added field to User_Credential [UserResponseFilter] [nvarchar](max)
14. Added field to ResponseValue [nvalue] [float] NULL
15. Added field to ResponseValue [dvalue] [datetime] NULL
16. Added field to FormResponse [ResponseStatusID] [int] NOT NULL
17. Changed type ResponseValue.value to nvarchar(4000)
18. Modified View FormFieldExport
19. Modified View FormFieldResponses
20. Modified View ResponseDetails
21. Modified View ResponseRepeatable

SQL scripts can be found in the folder [SQLDbScripts](#)