A red letters on a black background

Description automatically generated

Advanced Report Builder Sample 1

**For Cogynt Version: 2.12**

This sample template shows how you can utilize the Advanced Report Builder Template with examples of syntax and loops.

# Output Collection Data

## Basic Info

|  |  |
| --- | --- |
| ID | +++= id +++ |
| Title | +++= title +++ |
| Description | +++= description +++ |
| Priority | +++= priority +++ |
| Number of Items | +++= numItems +++ |

## Tags

|  |  |
| --- | --- |
| Primary Tag | * **Name:** +++= primaryTag.name +++ * **Color:** +++= primaryTag.color +++ * **Order:** +++= primaryTag.order +++ * **Type:** +++= primaryTag.type +++ * **ID:** +++= primaryTag.id +++ |
| Additional Tags (Concatenated) | +++= additionalTagsList +++ |
| Additional Tags (Loop) | +++ FOR tag in additionalTags +++   1. **Name:** +++= $tag.name +++    * **Color:** +++= $tag.color +++    * **Order:** +++=$tag.order +++    * **Type:** +++=$tag.type +++    * **ID:** +++= $tag.id +++   +++END-FOR tag+++ |

## Timestamps

|  |  |
| --- | --- |
| archivedAt | * **dateTimeLocal:** +++= archivedAt.dateTimeLocal +++ * **dateTimeLocalTZ:** +++= archivedAt.dateTimeLocalTZ +++ * **dateTimeUTC:** +++= archivedAt.dateTimeUTC +++ * **dateLocal:** +++= archivedAt.dateLocal +++ * **dateLocalTZ:** +++= archivedAt.dateLocalTZ +++ * **shortLocal:** +++= archivedAt.shortLocal +++ * **shortLocalTZ:** +++= archivedAt.shortLocalTZ +++ * **shortUTC:** +++= archivedAt.shortUTC +++ * **isoDate:** +++= archivedAt.isoDate +++ * **shortUTC:** +++= archivedAt.shortUTC +++ * **timeLocal:** +++= archivedAt.timeLocal +++ * **timeLocalTZ:** +++= archivedAt.timeLocalTZ +++ * **timeUTC:** +++= archivedAt.timeUTC +++ |
| createdAt | * **dateTimeLocal:** +++= createdAt.dateTimeLocal +++ * **dateTimeLocalTZ:** +++= createdAt.dateTimeLocalTZ +++ * **dateTimeUTC:** +++= createdAt.dateTimeUTC +++ * **dateLocal:** +++= createdAt.dateLocal +++ * **dateLocalTZ:** +++= createdAt.dateLocalTZ +++ * **shortLocal:** +++= createdAt.shortLocal +++ * **shortLocalTZ:** +++= createdAt.shortLocalTZ +++ * **shortUTC:** +++= createdAt.shortUTC +++ * **isoDate:** +++= createdAt.isoDate +++ * **shortUTC:** +++= createdAt.shortUTC +++ * **timeLocal:** +++= createdAt.timeLocal +++ * **timeLocalTZ:** +++= createdAt.timeLocalTZ +++ * **timeUTC:** +++= createdAt.timeUTC +++ |
| updatedAt | * **dateTimeLocal:** +++= updatedAt.dateTimeLocal +++ * **dateTimeLocalTZ:** +++= updatedAt.dateTimeLocalTZ +++ * **dateTimeUTC:** +++= updatedAt.dateTimeUTC +++ * **dateLocal:** +++= updatedAt.dateLocal +++ * **dateLocalTZ:** +++= updatedAt.dateLocalTZ +++ * **shortLocal:** +++= updatedAt.shortLocal +++ * **shortLocalTZ:** +++= updatedAt.shortLocalTZ +++ * **shortUTC:** +++= updatedAt.shortUTC +++ * **isoDate:** +++= updatedAt.isoDate +++ * **shortUTC:** +++= updatedAt.shortUTC +++ * **timeLocal:** +++= updatedAt.timeLocal +++ * **timeLocalTZ:** +++= updatedAt.timeLocalTZ +++ * **timeUTC:** +++= updatedAt.timeUTC +++ |
| deletedAt | * **dateTimeLocal:** +++= deletedAt.dateTimeLocal +++ * **dateTimeLocalTZ:** +++= deletedAt.dateTimeLocalTZ +++ * **dateTimeUTC:** +++= deletedAt.dateTimeUTC +++ * **dateLocal:** +++= deletedAt.dateLocal +++ * **dateLocalTZ:** +++= deletedAt.dateLocalTZ +++ * **shortLocal:** +++= deletedAt.shortLocal +++ * **shortLocalTZ:** +++= deletedAt.shortLocalTZ +++ * **shortUTC:** +++= deletedAt.shortUTC +++ * **isoDate:** +++= deletedAt.isoDate +++ * **shortUTC:** +++= deletedAt.shortUTC +++ * **timeLocal:** +++= deletedAt.timeLocal +++ * **timeLocalTZ:** +++= deletedAt.timeLocalTZ +++ * **timeUTC:** +++= deletedAt.timeUTC +++ |

## Users

|  |  |
| --- | --- |
| createdByUser | * **ID:** +++= createdByUser.id +++ * **First Name:** +++= createdByUser.firstName +++ * **Last Name:** +++= createdByUser.lastName +++ * **Full Name:** +++= createdByUser.fullName +++ * **Full Name and Email:** +++= createdByUser.fullNameAndEmail +++ * **Full Name and Role:** +++= createdByUser.fullNameAndRole +++ * **Email:** +++= createdByUser.email +++ * **Role:** +++= createdByUser.role +++ * **Groups:** +++= createdByUser.groups +++ * **Created At:** +++= createdByUser.createdAt.dateTimeLocalTZ +++ * **Deleted At:** +++= createdByUser.deletedAt.dateTimeLocalTZ +++ * **Updated At:** +++= createdByUser.updatedAt.dateTimeLocalTZ +++ * **Last Login At:** +++= createdByUser.lastLoginAt.dateTimeLocalTZ +++ |
| assignedToUser | * **ID:** +++= assignedToUser.id +++ * **First Name:** +++= assignedToUser.firstName +++ * **Last Name:** +++= assignedToUser.lastName +++ * **Full Name:** +++= assignedToUser.fullName +++ * **Full Name and Email:** +++= assignedToUser.fullNameAndEmail +++ * **Full Name and Role:** +++= assignedToUser.fullNameAndRole +++ * **Email:** +++= assignedToUser.email +++ * **Role:** +++= assignedToUser.role +++ * **Groups:** +++= assignedToUser.groups +++ * **Created At:** +++= assignedToUser.createdAt.dateTimeLocalTZ +++ * **Deleted At:** +++= assignedToUser.deletedAt.dateTimeLocalTZ +++ * **Updated At:** +++= assignedToUser.updatedAt.dateTimeLocalTZ +++ * **Last Login At:** +++= assignedToUser.lastLoginAt.dateTimeLocalTZ +++ |
| participants | +++ FOR person in participants +++   1. **Full Name:** +++= $person.fullName +++    1. **ID:** +++= $person.id +++    2. **First Name:** +++= $person.firstName +++    3. **Last Name:** +++= $person.lastName +++    4. **Full Name and Email:** +++= $person.fullNameAndEmail +++    5. **Full Name and Role:** +++= $person.fullNameAndRole +++    6. **Email:** +++= $person.email +++    7. **Role:** +++= $person.role +++    8. **Groups:** +++= $person.groups +++    9. **Created At:** +++= $person.createdAt.dateTimeLocalTZ +++    10. **Deleted At:** +++= $person.deletedAt.dateTimeLocalTZ +++    11. **Updated At:** +++= $person.updatedAt.dateTimeLocalTZ +++    12. **Last Login At:** +++= $person.lastLoginAt.dateTimeLocalTZ +++   +++ END-FOR person +++ |

# Custom Fields Loop

The following example shows that you can create a loop that outputs a table

+++ FOR field in customFields +++

|  |  |
| --- | --- |
| **Name** | **+++= $field.name +++** |
| **ID** | +++= $field.id +++ |
| **Type** | +++= $field.type +++ |
| **Key** | +++= $field.key +++ |
| **Value (As Is)** | +++= $field.value +++ |
| **Value (Plain)** | +++= \_plain($field.value) +++ |
| **Value (HTML)** | +++HTML \_html($field.value) +++ |

+++END-FOR field +++

# Comments Loop

The following example shows that you can create a loop that outputs a table

+++ FOR comment in comments +++

|  |  |
| --- | --- |
| **User** | +++= $comment.user.fullName +++ |
| **Created At** | +++= $comment.createdAt.dateTimeLocalTZ +++ |
| **Updated At** | +++= $comment.updatedAt.dateTimeLocalTZ +++ |
| **Deleted At** | +++= $comment.deletedAt.dateTimeLocalTZ +++ |
| **Plain Content** | +++= $comment.contentPlain +++ |
| **HTML Content** | +++HTML \_html($comment.contentHTML) +++ |

+++ END-FOR comment +++

# Attached Items Loop

+++ FOR event in items +++

## +++= $event.eventTypeTitle +++

|  |  |
| --- | --- |
| **Primary Title** | +++= $event.primaryTitle +++ |
| **Core ID** | +++= $event.coreId +++ |
| **Risk Score** | +++= $event.riskScore +++ |
| **Lexicons** | +++= $event.lexicons +++ |
| **Created At** | +++= $event.createdAt.dateTimeLocalTZ +++ |
| **Updated At** | +++= $event.updatedAt.dateTimeLocalTZ +++ |

### Details

|  |  |
| --- | --- |
| +++ FOR field in $event.eventDetails +++ |  |
| **+++= $field.name +++**   * **Key:** +++= $field.key +++ * **Type:** +++= $field.type +++ * **Path:** +++= $field.path +++ | +++= $field.value +++ |
| +++ END-FOR field +++ |  |

+++END-FOR event +++­

# Helpers

## \_now

\_now is supposed to get the current time (like current time of export)

|  |  |
| --- | --- |
| \_now | * **dateTimeLocal:** +++= \_now.dateTimeLocal +++ * **dateTimeLocalTZ:** +++= \_now.dateTimeLocalTZ +++ * **dateTimeUTC:** +++= \_now.dateTimeUTC +++ * **dateLocal:** +++= \_now.dateLocal +++ * **dateLocalTZ:** +++= \_now.dateLocalTZ +++ * **shortLocal:** +++= \_now.shortLocal +++ * **shortLocalTZ:** +++= \_now.shortLocalTZ +++ * **shortUTC:** +++= \_now.shortUTC +++ * **isoDate:** +++= \_now.isoDate +++ * **shortUTC:** +++= \_now.shortUTC +++ * **timeLocal:** +++= \_now.timeLocal +++ * **timeLocalTZ:** +++= \_now.timeLocalTZ +++ * **timeUTC:** +++= \_now.timeUTC +++ |

## \_html

The Html helper allows you to render a HTML value. Optionally, you can specify if you wish to try to set a default font and font size (in points PT).

Following example will loop through only custom fields that are rich text and output the HTML data.

+++ FOR field in \_keep(customFields, ‘type’, ‘RICH\_TEXT’)+++

|  |  |
| --- | --- |
| **Name** | **+++= $field.name +++** |
| **HTML Default** | +++HTML \_html($field.value) +++ |

+++END-FOR field +++

## \_keep

Keeps only the items in a list by matching the values of the given key.  
\_keep(participants, 'id', 'ID1', 'ID2', ...etc.)

This example tries to only keep ‘Participants’ with a role of ‘SUPER\_ADMIN’

+++FOR people IN \_keep(participants, ‘role’, ‘SUPER\_ADMIN’) +++

1. +++= $people.fullName +++

+++END-FOR people +++

## \_omit

Filters out items in a list by comparing the values of the given key.  
\_omit(participants, 'id', 'ID1', 'ID2', ...etc.)

This example tries to exclude ‘Participants’ with a role of ‘SUPER\_ADMIN’

+++FOR people IN \_omit(participants, ‘role’, ‘SUPER\_ADMIN’) +++

1. +++= $people.fullName +++

+++END-FOR people +++

## \_get

The \_get helper is particularly useful, in combination with the FOR-loop, to grab a specific value with built-in error handling for null or non-existent values. If desired, you can specify the value to return if there is not a value found with an optional parameter. By default, empty values will exports as ‘N/A’. *Replace the ‘Behavior Profiles’ with the event title that exists in your test scenario.*

+++ FOR events IN \_keep(items, ‘eventTypeTitle’, ‘Behavior Profiles’) +++

**Social Security Number**

+++= \_get($events, 'eventDetailByKey.k2g3y.value') +++

**Some fake field that does not exist**

+++= \_get($events, 'eventDetailByKey.abcdef.value', ‘This field does not exist’) +++

+++END-FOR events +++

# Image for Fun

A dog sitting on a rock next to a pond

Description automatically generated

# GIF for Fun

