

Introduction to the Shiftconnector® API

Getting started with the Shiftconnector® API

Transmitted to:

Transmitted from:

eschbach GmbH, Schaffhauser Str. 97, D-79713 Bad Säckingen

Phone: +49 7761 55 959-242

History & Confidentiality

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1 Overview

In a large-scale enterprise, data is often stored in separate systems, specific to their intended business-cases and processes, and departments producing the information. But this data is required by other systems within the organization as well, and an integration of the data into other units within the enterprise is needed. The approach to achieve this integration is the implementation of Web APIs. Systems can deliver data through a defined set of endpoints and methods to perform create, read, update and delete operations.

Target Audience of this document

This document is an introduction to the Web API of Shiftconnector®. It is targeted to architects, system designers, and software developers who need to access data in Shiftconnector®. The document describes

- Authentication
- End points
- Data operations

2 Authentication and Authorization

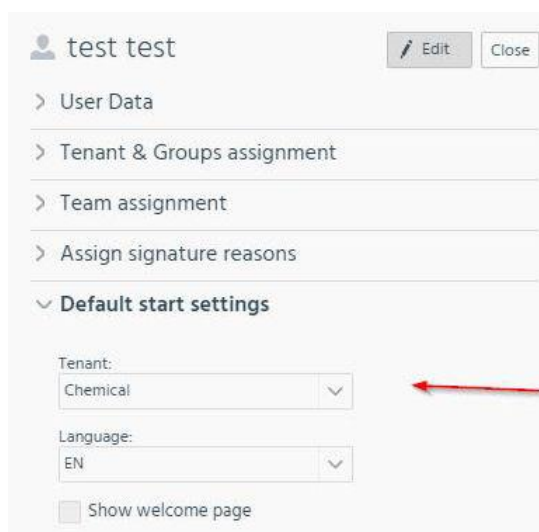
2.1 Specific Web API user

The Shiftconnector® API can only be accessed by a specific Web API user. This Web API user must be created in Shiftconnector® by a user with administrator permissions before the Web API can be used. To set up the Web API user, following information must be set:

- Username
- Password
- Tenant
- Authentication Type: ServiceUser
- Special permission: BR_ShiftconnectorApi

Note: access with a person's Shiftconnector® account is not possible.

When setting up the Web API user it is necessary to define the tenant in the *Default start settings*. The illustration below shows the setup of the default tenant.



2.2 Login and Logout

It is required that the Web API User logs in and authenticates to the Web API to access the data. After successful login the Web API User is provided with a session-cookie and a token, both of which need to be presented with every sub-sequent Web API call.

Session expiration

Should the Web API not be called for a certain period, the session expires. The duration of the session can be defined in the configuration settings of Shiftconnector® on the web server. The default duration is ten minutes.

After the successful login, every sub-sequent call to the Web API that requires authentication restarts the session timeout.

The Web API has a function to verify if the session is still valid. In case it has expired, the Web API User must log in again for further requests.

A current session can be terminated by calling the logout method.

2.3 Authorization

All API endpoints are secured by actions-permissions. When defining the Web API User, the administrator must set up required permissions accordingly.

2.4 Tenant change is not supported

There is no method to change the tenant of the Web API User. The Web API User is connected to the tenant. Access to different mandates is only possible by logout and new login as a different Web API User.

3 Shiftconnector® API Overview

3.1 General

Communication settings

The Shiftconnector® API is a Web API, and it uses following communication settings:

- Protocol: https.
- Mime media type: application/json.
- Default encoding: UTF-8.
- Http methods must be set correctly when performing the requests.
- Authentication takes place with cookie and token.

Request processing

All requests are processed synchronously. The response to the request appears immediately.

Time zones

The date/time fields contain the information in the time zone of the tenant.

Structure of the Web API

The root path to the Shiftconnector® API is as follows:

<https://host.company.org/shiftconnector/moduleApi/ShiftconnectorApi/>

The host name needs to be adapted to the actual host of the installation of Shiftconnector®.

Under this root, there are branches for following items:

| Branch | Application |
|--------------------------|--|
| Authentication/V1 | These methods establish and terminate a session for a Web API User. |
| Asset/V1 | Assets contain the business data of the application, containing EntryItems like Events, Task and Directives, but also Plant Status and Functional Locations. Asset methods provide methods for reading, creating and updating. |
| Report/V1 | The report method exports an EntryItem based on the assigned export template. |
| Configuration/V1 | The configuration methods give information about shiftbooks and categories of the tenant. |
| Connection/V1 | The connection method allows to check if the Web API can be reached. |
| Lock/V1 | The lock method is used to check the lock status of an EntryItem. |

The full Web API documentation is a part of the Shiftconnector® API module and can be obtained from the eschbach support team.

4 Examples

Categories and Shiftbooks

In the examples below, the operations take place in a defined category and shiftbook. For these two entities, the guids can be queried with the Configuration Web API requests. The parameter of these requests is the tenant guid which needs to be taken from the configuration of Shiftconnector®. For customer installations, these values are provided during the configuration phase of the shiftbooks and the categories. If these values are not available, they can be requested at eschbach support.

URL of the Web API endpoints

For clarity, in the examples below only the branch of the URL is shown. The full URL must be combined with the root and the branch into one long URL, as illustrated by following example of the login web method:

Branch of URL: Authentication/V1/Login

Full URL:

https://host.company.org/shiftconnector/moduleApi/ShiftconnectorApi/Authentication/V1/Login

4.1 Login example

The login example demonstrates how a Web API User authenticates to the Web API.

Http method: POST

Branch of URL: Authentication/V1/Login

Request body: userCredentials

| userCredentials | |
|------------------------|----------------------|
| 1 | { |
| 2 | "Username": "User1", |
| 3 | "Password": "test" |
| 4 | } |

Http response code: 200

Return value: string, the authentication token.

| String, authentication token | |
|-------------------------------------|--|
| 1 | 4IJNBdIsgKk8yz7e1R8hvTmtNmGZVnS7anu55FwQx18= |

When the authentication was not successful, the http response code contains the error and the return value is empty.

4.2 Create Event example

In following example, an event is created. The event contains an attachment. The file is provided as a base 64 encoded string. For the creation of the event, the field EntryItemGuid is omitted. The EntryItemGuid is created by the system and returned in the response.

The illustration below shows the event that will be created in Shiftconnector® when this example is executed.

Http method: PUT

Branch of URL: Asset/V1/EntryItem

Request body: Eschbach.Interface.Vos.EntryItem.V1.CreateOrUpdateEntryItemRequestVo

```

Eschbach.Interface.Vos.EntryItem.V1.CreateOrUpdateEntryItemRequestVo
1  {
2    "EntryItemType": "Event",
3    "ShiftbookGuid": "8141ffa6-df21-4950-97fc-c665a719cb87",
4    "CategoryGuid": "f2afe0d4-e9ca-4160-a843-394e303ffb29",
5    "StartDateTime": "2020-04-28T20:43:00",
6    "EndDateTime": "2020-12-16T11:43:00",
7    "AttachmentToUpload": [
8      {
9        "FileName": "Test_Text_File.txt",
10       "FileContent": "dGVzdHRleHQ="
11      }
12    ],
13    "BusinessFieldValues": {
14      "Description": "API test import",
15      "Batch": "P000112",
16      "FuncLocs": [
17        "29749CF2-8BB8-4B07-9D33-A83F89649A5E"
18      ],
19      "EventStatus": "highPriority"
20    }
21  }

```

Http response code: 200

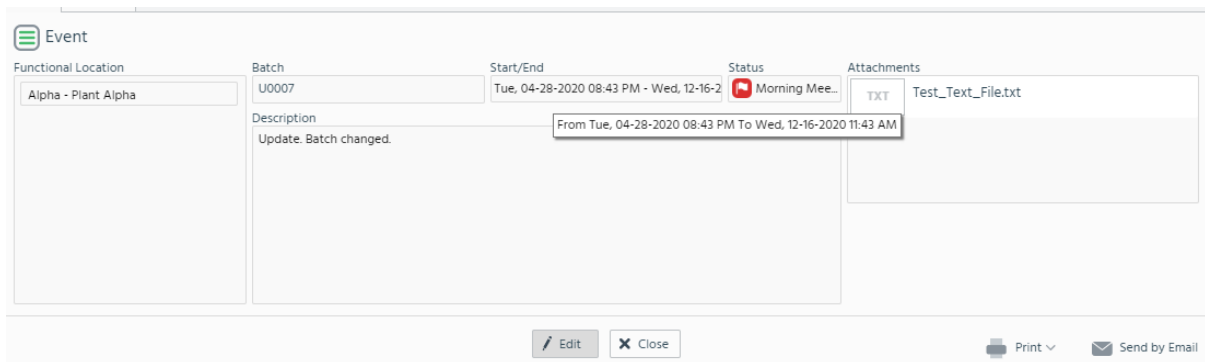
Return value: string, guid of the entry item:

| String, guid | |
|--------------|--------------------------------------|
| 1 | a0ada7e3-700e-49bd-a025-248e4867ae2c |

4.3 Update Event example

The following example updates the event that was created above. The return value of the creation provided the guid that is now used in the update request. The request will change the information in the fields Description and Batch.

The illustration below shows the event in Shiftconnector® when the update request was called.



Http method: PUT

Branch of URL: Asset/V1/EntryItem

Request body: Eschbach.Interface.Vos.EntryItem.V1.CreateOrUpdateEntryItemRequestVo

| Eschbach.Interface.Vos.EntryItem.V1.CreateOrUpdateEntryItemRequestVo | |
|--|---|
| 1 | { |
| 2 | "EntryItemGuid": "a0ada7e3-700e-49bd-a025-248e4867ae2c", |
| 3 | "EntryItemType": "Event", |
| 4 | "ShiftbookGuid": "8141ffa6-df21-4950-97fc-c665a719cb87 ", |
| 5 | "CategoryGuid": "f2afe0d4-e9ca-4160-a843-394e303ffb29", |
| 6 | "BusinessFieldValues": { |
| 7 | "Description": "Update. Batch changed.", |
| 8 | "Batch": "U0007", |
| 9 | } |
| 10 | } |

Return value: string, guid of the entry item:

| String, guid | |
|--------------|--------------------------------------|
| 1 | a0ada7e3-700e-49bd-a025-248e4867ae2c |

4.4 Get EntryItem example

The following example shows how to read entry items by the guid and how to load the business field values.

Obtaining the entry item guid

In order to request an entry item from the Shiftconnector® Web API the entry item's guid must be available. This guid can be obtained in three different ways.

Creating and updating an entry item with Shiftconnector® Web API calls

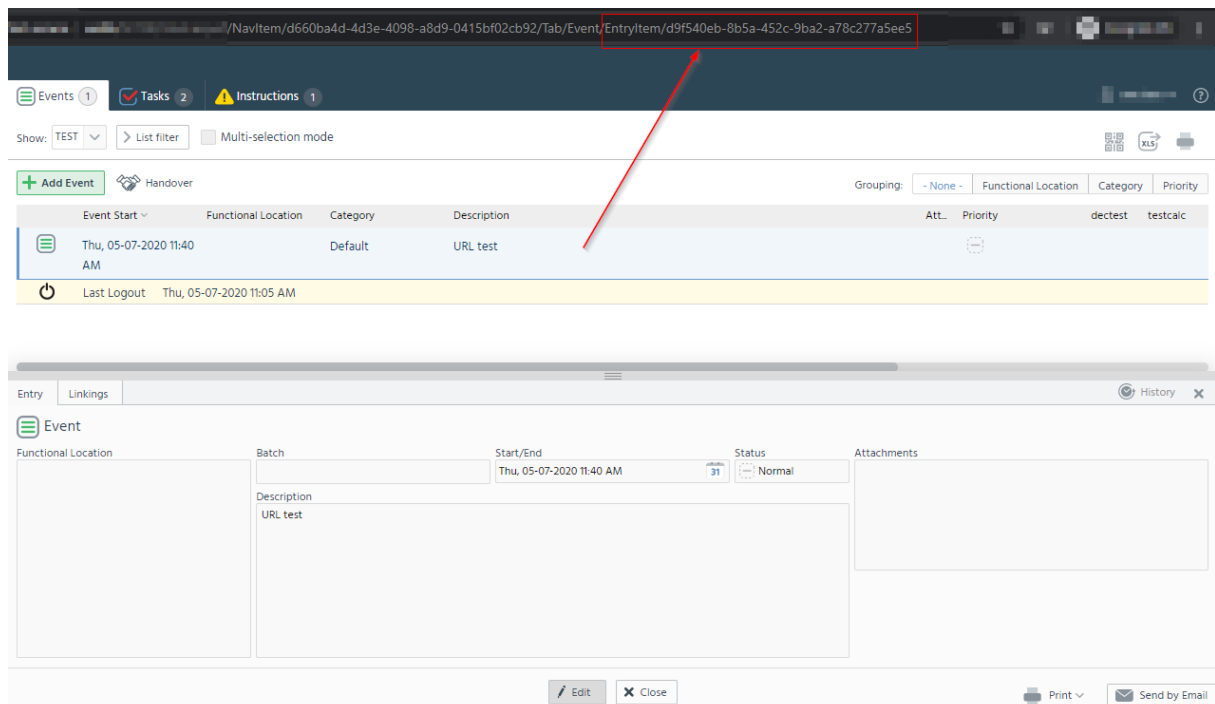
When an entry item is created through the Shiftconnector® Web API, the response of these requests returns the guid of the entry item. This procedure is already demonstrated in the Create Event and Update Event examples above.

Filtering with Shiftconnector® Web API calls

The result set of a filter request contains the complete entry item information, including the guid that identifies the entry item.

Retrieving the guid from the web browser's address bar

When an entry item is displayed in Shiftconnector® in the browser, the guid is part of the URL in the address bar. The illustration below shows the guid.



Explanation of business field values

The business field values can be understood as the detail information of an entry item, while the entry item itself serves as a container. It might be desired to read only the entry items without the detail information. The boolean parameter `loadBusinessFieldValues` of the query controls if the business field values are included in the query result. In the example the event with all business field values are loaded.

Http method: GET

Branch of URL: `Asset/V1/EntryItem?entryItemGuid=a0ada7e3-700e-49bd-a025-248e4867ae2c&loadBusinessFieldValues=true`

Request body: (none, parameters are passed in the URL)

Response: `Eschbach.Interface.Vos.EntryItem.V1.EntryItemDetailVo`, the entry item including the detail information

Eschbach.Interface.Vos.EntryItem.V1.EntryItemDetailVo

```

1  {
2    "$id": "1",
3    "$type": "Eschbach.Interface.Vos.EntryItem.V1.EntryItemDetailVo,
    Eschbach.Interface.Vos",
4    "entryItemGuid": "a0ada7e3-700e-49bd-a025-248e4867ae2c",
5    "businessObjectTypeName": "Event",
6    "structureItemGuid": "d660ba4d-4d3e-4098-a8d9-0415bf02cb92",
7    "parentItemGuid": null,
8    "mandatorGuid": "76178954-2452-4ff5-b55b-e52e109383d1",
9    "mandatorShortName": "CHEMICAL",
10   "creationDateTime": "$dateTimeValue$2020-04-28T09:22:54.94Z",
11   "creationUsername": "SUSER",
12   "description": "Update. Batch changed.",
13   "lastEditDateTime": "$dateTimeValue$2020-04-28T09:31:24.34Z",
14   "lastEditUsername": "t",
15   "customBusinessObjectId": null,
16   "customBusinessObjectDescription": null,
17   "categoryGuid": "f2afe0d4-e9ca-4160-a843-394e303ffb29",
18   "shiftbookGuid": "8141ffa6-df21-4950-97fc-c665a719cb87",
19   "eventPriorityGuid": "87eeb3b7-4a82-425b-87ea-d7cf2595ab75",
20   "statusId": "done",
21   "startDateTime": "$dateTimeValue$2020-04-28T20:43:00Z",
22   "endDateTime": "$dateTimeValue$2020-12-16T11:43:00Z",
23   "doneDateTime": null,
24   "dueDateTime": null,
25   "version": 4,
26   "formTemplateName": "Default",
27   "businessFieldValues": [
28     {
29       "$id": "2",
30       "$type":
31       "Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[System.Collections.Generic.List`1[[System.Guid, mscorlib]], mscorlib]],
    Eschbach.Interface.Vos",
32       "businessFieldValue": [],
33       "businessFieldName": "Signatures",

```

```

33     "businessFieldType": "System.Collections.Generic.List`1[[System.Guid,
mscorlib, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089]], mscorlib, Version=4.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089"
34     },
35     {
36         "$id": "3",
37         "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[System.Str
ing, mscorlib]], Eschbach.Interface.Vos",
38         "businessFieldValue": "U0007",
39         "businessFieldName": "Batch",
40         "businessFieldType": "System.String, mscorlib, Version=4.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089"
41     },
42     {
43         "$id": "4",
44         "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[System.Col
lections.Generic.List`1[[Eschbach.Interface.Vos.Attachment.V1.AttachmentDeta
ilVo, Eschbach.Interface.Vos]], mscorlib]], Eschbach.Interface.Vos",
45         "businessFieldValue": [
46             {
47                 "$id": "5",
48                 "$type": "Eschbach.Interface.Vos.Attachment.V1.AttachmentDetailVo,
Eschbach.Interface.Vos",
49                 "attachmentGuid": "524622a8-f666-48db-a8a6-bc61b8851fe3",
50                 "mandatorGuid": null,
51                 "description": null,
52                 "fileName": "Test_Text_File",
53                 "fileExtension": "txt",
54                 "filePath": null,
55                 "fileMimeType": "text/plain",
56                 "fileSize": 8,
57                 "isLink": false,
58                 "fileContent": null,
59                 "uploadDateTime": "$dateTimeValue$2020-04-28T09:22:54.953Z",
60                 "uploadUserFirstname": "test",
61                 "uploadUserLastname": "test"
62             }
63         ],
64         "businessFieldName": "Attachments",
65         "businessFieldType":
"System.Collections.Generic.List`1[[Eschbach.Interface.Vos.Attachment.V1.Att
achmentDetailVo, Eschbach.Interface.Vos, Version=1.8.0.0, Culture=neutral,
PublicKeyToken=null]], mscorlib, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089"
66     },
67     {
68         "$id": "6",
69         "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[Eschbach.I
nterface.Vos.ListValues.V1.ListValueDetailVo, Eschbach.Interface.Vos]],
Eschbach.Interface.Vos",
70         "businessFieldValue": {
71             "$id": "7",
72             "$type": "Eschbach.Interface.Vos.ListValues.V1.ListValueDetailVo,
Eschbach.Interface.Vos",

```

```

73     "listValueGuid": "87eeb3b7-4a82-425b-87ea-d7cf2595ab75",
74     "parentListValueGuid": null,
75     "hasChildren": false,
76     "translatedTitle": "Morning Meeting",
77     "imageName": "highPriority.png",
78     "order": 0,
79     "activeState": 0,
80     "value": "highPriority",
81     "value1": null,
82     "value2": null,
83     "value3": null,
84     "value4": null
85   },
86   "businessFieldName": "EventStatus",
87   "businessFieldType":
"Eschbach.Interface.Vos.ListValues.V1.ListValueDetailVo,
Eschbach.Interface.Vos, Version=1.8.0.0, Culture=neutral,
PublicKeyToken=null"
88   },
89   {
90     "$id": "8",
91     "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[System.Str
ing, mscorlib]], Eschbach.Interface.Vos",
92     "businessFieldValue": "Update. Batch changed.",
93     "businessFieldName": "Description",
94     "businessFieldType": "System.String, mscorlib, Version=4.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089"
95   },
96   {
97     "$id": "9",
98     "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[Eschbach.I
nterface.Vos.Category.V1.CategoryDetailVo, Eschbach.Interface.Vos]],
Eschbach.Interface.Vos",
99     "businessFieldValue": {
100       "$id": "10",
101       "$type": "Eschbach.Interface.Vos.Category.V1.CategoryDetailVo,
Eschbach.Interface.Vos",
102       "categoryGuid": "f2afe0d4-e9ca-4160-a843-394e303ffb29",
103       "mandatorGuid": null,
104       "name": "Default",
105       "systemName": "Default"
106     },
107     "businessFieldName": "Category",
108     "businessFieldType":
"Eschbach.Interface.Vos.Category.V1.CategoryDetailVo,
Eschbach.Interface.Vos, Version=1.8.0.0, Culture=neutral,
PublicKeyToken=null"
109   },
110   {
111     "$id": "11",
112     "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[System.Col
lections.Generic.List`1[[Eschbach.Interface.Vos.FunctionalLocation.V1.Functi
onalLocationDetailVo, Eschbach.Interface.Vos]], mscorlib]],
Eschbach.Interface.Vos",
113     "businessFieldValue": [

```

```

114     {
115         "$id": "12",
116         "$type":
"Eschbach.Interface.Vos.FunctionalLocation.V1.FunctionalLocationDetailVo,
Eschbach.Interface.Vos",
117         "functionalLocationGuid": "29749cf2-8bb8-4b07-9d33-a83f89649a5e",
118         "parentFunctionalLocationGuid": null,
119         "activeState": 1,
120         "code": "Alpha",
121         "path": "Alpha",
122         "customData": null,
123         "customId": null,
124         "mandatorGuid": "76178954-2452-4ff5-b55b-e52e109383d1"
125     }
126 ],
127     "businessFieldName": "FuncLocs",
128     "businessFieldType":
"System.Collections.Generic.List`1[[Eschbach.Interface.Vos.FunctionalLocatio
n.V1.FunctionalLocationDetailVo, Eschbach.Interface.Vos, Version=1.8.0.0,
Culture=neutral, PublicKeyToken=null]], mscorlib, Version=4.0.0.0,
Culture=neutral, PublicKeyToken=b77a5c561934e089"
129 },
130     {
131         "$id": "13",
132         "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[Eschbach.I
nterface.Vos.Date.V1.DateDetailVo, Eschbach.Interface.Vos]],
Eschbach.Interface.Vos",
133         "businessFieldValue": {
134             "$id": "14",
135             "$type": "Eschbach.Interface.Vos.Date.V1.DateDetailVo,
Eschbach.Interface.Vos",
136             "startDateTime": "$dateTimeValue$2020-04-28T20:43:00Z",
137             "endDateTime": "$dateTimeValue$2020-12-16T11:43:00Z",
138             "dueDateTime": null,
139             "earliestStartingDateTime": null,
140             "earliestStartingIsSet": false,
141             "earliestStartingDays": null,
142             "earliestStartingMinutes": null,
143             "recurrenceEndDate": null,
144             "recurrenceType": null,
145             "statusId": null
146         },
147         "businessFieldName": "EventStartDateTime",
148         "businessFieldType": "Eschbach.Interface.Vos.Date.V1.DateDetailVo,
Eschbach.Interface.Vos, Version=1.8.0.0, Culture=neutral,
PublicKeyToken=null"
149     },
150     {
151         "$id": "15",
152         "$type":
"Eschbach.Interface.Vos.BusinessField.V1.BusinessFieldDetailVo`1[[System.Col
lections.Generic.List`1[[Eschbach.Interface.Vos.Shiftbook.V1.ShiftbookDetail
Vo, Eschbach.Interface.Vos]], mscorlib]], Eschbach.Interface.Vos",
153         "businessFieldValue": [
154             {
155                 "$id": "16",

```

```
156         "$type": "Eschbach.Interface.Vos.Shiftbook.V1.ShiftbookDetailVo,  
Eschbach.Interface.Vos",  
157         "shiftbookGuid": "8141ffa6-df21-4950-97fc-c665a719cb87",  
158         "structureItemGuid": null,  
159         "name": "APITEST",  
160         "activeState": 0  
161     }  
162 ],  
163     "businessFieldName": "AssignedShiftbooks",  
164     "businessFieldType":  
"System.Collections.Generic.List`1[[Eschbach.Interface.Vos.Shiftbook.V1.Shif  
tbookDetailVo, Eschbach.Interface.Vos, Version=1.8.0.0, Culture=neutral,  
PublicKeyToken=null]], mscorlib, Version=4.0.0.0, Culture=neutral,  
PublicKeyToken=b77a5c561934e089"  
165     }  
166 ]  
167 }
```

4.5 Filter example

The Generic Report method allows the querying of entry items by a defined filter. The example filters events in a shiftbook, category and with an identified status. To keep the example simple, the field LoadBusinessFieldValues is set to false. In a live environment, most likely the query will have these field set to true to obtain the detail information of the entry items.

The illustration below shows two events in Shiftconnector®. The query in this example produces these two events in the result set.

The screenshot shows the Shiftconnector® interface with the following configuration and results:

- Filters:**
 - Start and end: All (date: 31)
 - Functional Location: Any
 - Category: Default
 - Description: Search...
 - Priority: [Red icon]
 - dectest: =
 - testcalc: Search...
 - Created Date Time: All (date: 31)
 - Case Number: [Dropdown]
- Buttons:** + Add Event, Handover
- Grouping:** - None - Functional Location Category Priority
- Table:**

| Event Start | Functional Location | Category | Description |
|--------------------------|--------------------------|----------|------------------------|
| Last Logout | Wed, 04-29-2020 07:02 AM | | |
| Tue, 04-28-2020 08:43 PM | Plant Alpha | Default | Update. Batch changed. |
| Tue, 04-28-2020 08:43 PM | Plant Alpha | Default | API test import2 |

Http method: POST

Branch of URL: Asset/V1/GenericReport

Request body: Eschbach.Interface.Vos.EntryItem.V1.GetEntryItemsByFilterRequestVo

```

Eschbach.Interface.Vos.EntryItem.V1.GetEntryItemsByFilterRequestVo
1  {
2    "GenericReportFilter": [
3      {
4        "GenericReportFieldName": "CategoryGuid",
5        "GenericReportFieldFilterValue": "f2afe0d4-e9ca-4160-a843-394e303ffb29",
6        "GenericReportFieldFilterOperator": "IsEqualTo"
7      },
8      {
9        "GenericReportFieldName": "ShiftbookGuid",
10       "GenericReportFieldFilterValue": "8141ffa6-df21-4950-97fc-c665a719cb87",
11       "GenericReportFieldFilterOperator": "IsEqualTo"
12     },
13     {
14       "GenericReportFieldName": "Event.Status",
15       "GenericReportFieldFilterValue": "87eeb3b7-4a82-425b-87ea-d7cf2595ab75",
16       "GenericReportFieldFilterOperator": "IsEqualTo"
17     }
18   ],
19   "EntryItemType": "Event",
20   "LoadBusinessFieldValues": false

```

21 }
}

Http response code: 200

Return value: An array of Eschbach.Interface.Vos.EntryItem.V1.EntryItemDetailVo, the entry items that match the query.

Array of Eschbach.Interface.Vos.EntryItem.V1.EntryItemDetailVo

```

1  [
2  {
3      "$id": "1",
4      "$type": "Eschbach.Interface.Vos.EntryItem.V1.EntryItemDetailVo,
Eschbach.Interface.Vos",
5      "entryItemGuid": "012d5c6f-80f3-4de2-a802-034a91e18c54",
6      "businessObjectTypeName": "Event",
7      "structureItemGuid": "d660ba4d-4d3e-4098-a8d9-0415bf02cb92",
8      "parentItemGuid": null,
9      "mandatorGuid": "76178954-2452-4ff5-b55b-e52e109383d1",
10     "mandatorShortName": "CHEMICAL",
11     "creationDateTime": "$dateTimeValue$2020-04-28T09:19:44.153Z",
12     "creationUsername": "SUSER",
13     "description": "API test import2",
14     "lastEditDateTime": "$dateTimeValue$2020-04-28T10:41:40.9Z",
15     "lastEditUsername": "t",
16     "customBusinessObjectId": null,
17     "customBusinessObjectDescription": null,
18     "categoryGuid": "f2afe0d4-e9ca-4160-a843-394e303ffb29",
19     "shiftbookGuid": "8141ffa6-df21-4950-97fc-c665a719cb87",
20     "eventPriorityGuid": "87eeb3b7-4a82-425b-87ea-d7cf2595ab75",
21     "statusId": "done",
22     "startDateTime": "$dateTimeValue$2020-04-28T20:43:00Z",
23     "endDateTime": "$dateTimeValue$2020-12-16T11:43:00Z",
24     "doneDateTime": null,
25     "dueDateTime": null,
26     "version": 2,
27     "formTemplateName": "",
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29 },
30 {
31     "$id": "2",
32     "$type": "Eschbach.Interface.Vos.EntryItem.V1.EntryItemDetailVo,
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33     "entryItemGuid": "a0ada7e3-700e-49bd-a025-248e4867ae2c",
34     "businessObjectTypeName": "Event",
35     "structureItemGuid": "d660ba4d-4d3e-4098-a8d9-0415bf02cb92",
36     "parentItemGuid": null,
37     "mandatorGuid": "76178954-2452-4ff5-b55b-e52e109383d1",
38     "mandatorShortName": "CHEMICAL",
39     "creationDateTime": "$dateTimeValue$2020-04-28T09:22:54.94Z",
40     "creationUsername": "SUSER",
41     "description": "Update. Batch changed.",
42     "lastEditDateTime": "$dateTimeValue$2020-04-28T09:31:24.34Z",
43     "lastEditUsername": "t",
44     "customBusinessObjectId": null,
45     "customBusinessObjectDescription": null,
46     "categoryGuid": "f2afe0d4-e9ca-4160-a843-394e303ffb29",

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47     "shiftbookGuid": "8141ffa6-df21-4950-97fc-c665a719cb87",
48     "eventPriorityGuid": "87eeb3b7-4a82-425b-87ea-d7cf2595ab75",
49     "statusId": "done",
50     "startDateTime": "$dateTimeValue$2020-04-28T20:43:00Z",
51     "endDateTime": "$dateTimeValue$2020-12-16T11:43:00Z",
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53     "dueDateTime": null,
54     "version": 4,
55     "formTemplateName": "",
56     "businessFieldValues": []
57   }
58 ]
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