APIS 1.8.0. Functional Specification

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Company name: IFI Solution

Information owner: Orchestra Networks





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APIS Sprint 1.8.0 List of requirements





List of requirements in Sprint

Evolution

Delivery Domain:

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- 2. [30366]: [Delivery] The ability to support the agile process.

Test Domain:

- 3. [29079]: [Test] Add a table into the 'Test execution' group in Test domain to store the result of verified mantis task.
- 4. [30405]: [Test] Add a new service to create report by 'Test result' in the 'Verify resolved mantis' table.
- 5. [29081]: [Test] Add a table into 'Test execution' group in Test domain to store the check list for monkey test.

Reporting Domain:

6. [12782]: [Reporting] Skip invalid data when generating chart instead of displaying an ajax error message.





List of requirements in Sprint

Evolution

Other:

- 7. [30342]: Using an enumeration for the label field in the Role wrapper table.
- 8. [30353]: The ability to redefine folder location for Apis driver by using a Java Property.
- 9. [30198]: It is necessary to remove some fields in the 'Apis internal value' table.
- 10. [29078]: Order of Input output context on hierarchy views in Test data should be the same of step in scenario in campaign definition.
- 11. [10426]: It should be possible to search for data on all node levels in a data hierarchy view.



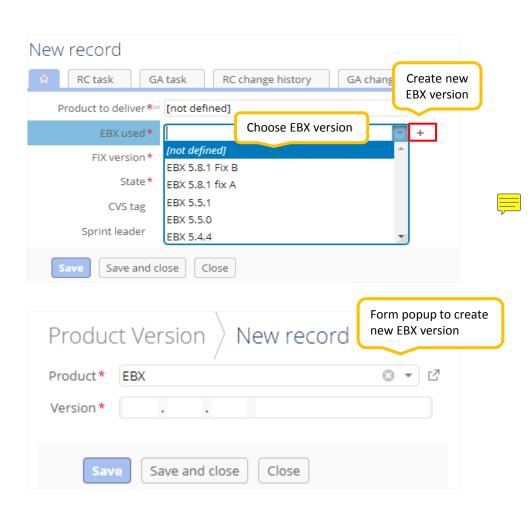


[16807]: [Delivery] Remain filtering upon creating new record.

Overview:

- To create a new sprint in "Sprint" table user must choose a EBX version.
- The user can also create a new EBX version within sprint in "Sprint" table by click (+) button.
- A form popup allow to create new EBX version will be displayed as beside.





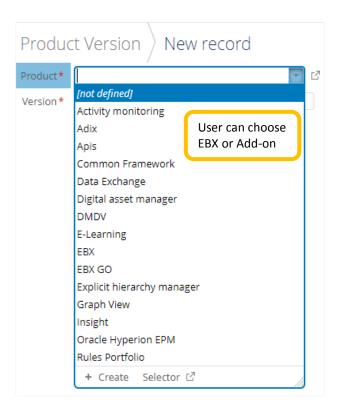




[16807]: [Delivery] Remain filtering upon creating new record.

Analysis:

- We are using "Create" default service of EBX to create new EBX version in "Sprint" table. However, this also allow user to create new Add-on version.
- We need to a new service only allow user to create a new EBX version.





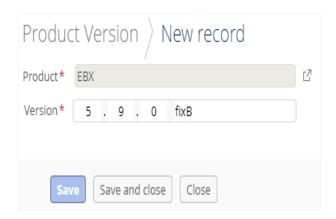


[16807]: [Delivery] Remain filtering upon creating new record.

Solution:

Create new "Create new EBX version" service.

- The service allow user create a new EBX version.
- On UI service:
 - "Product" field and "Version" field is mandatory.
 - Default product is "EBX" and user can't modify it, user just can put value of version.
 - If user click "Save" button → new product version for EBX will be created.
 - If user click "Save and close" button → new product version for EBX will be created and return "Sprint" table.
 - If user click "Close" button → new product version for EBX will not be created and close the service.

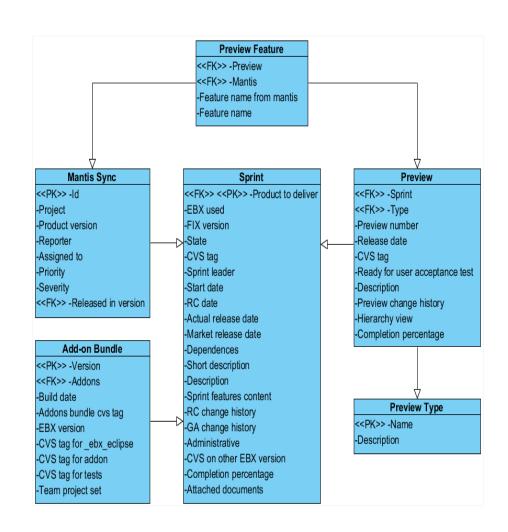






Overview:

- The Apis "Delivery Domain" is used to manage the dates of Preview, RC, Actual release, Market release and the delivery contents described as a list of features, which are also reported in Mantis repository.
- It is dedicated to guarantee a high-quality view of the delivery dates and contents.
- From this domain, three pieces of information are available: sprints contents and dates, graphical view of the sprints timeline (road-maps) and tracking of date changes.
- Apis Delivery is not a project management tool. Data related to the workload and team assignment is not managed in Delivery.

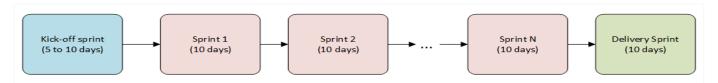






Analysis:

- We have some the add-on version which has development cycle based on the agile process.
- The development cycle based on the agile process divide the version delivery into the sprints as below:



Kick-off sprint:

- Understand the requirements.
- Divide requirements into sub-requirements to facilitate the specification and the implementation.

Main sprint:

- No major change except that a meeting (teleconference) will be organized on the first day of a sprint. to clarify and lockdown the requirements to implement in the sprint.

Delivery sprint:

- The purpose is to have a "review and clean-up" period to get everything ready for delivery.
- The work includes: executing regression tests, fixing bugs, verifying documents and refactoring source code.



Analysis:

The sprint format for sprint as below:

	İ								Sprin	t N							
Team	Day 1 Day 2 Day 3 Day 4						Day 5	Day 6	Day 7	Da	y 8 C	Day 9		Day 10			
DEV team	ALLOCATE TASKS RETROSPECTIVE MEETING - Code - Seff test & fix bug					Breakdown task based on the requirement for sprint (N+1) Answer support ticket (0.5 man.day)					DEMO: - New features - Bug fixed	GROOMING MEETING - What should be updated? - How to implement new requirement? - Which part of code will be refactor? - Which bugs will be fixed in next sprint? - Which Junit will be done in next sprint?	- Write & send meeting minute - Create & send plan for next sprint				
	Meeting leader: Addon leader Participant: all dev team Duration; 1h	er all dev					MPLEMENTATIO - Code Sefl test & fix bi (Member)		(0.5 day) (Addon leader & Member)	FIX BUG (1.5 day) (Member)				Internal working meeting/report (Member)			
IT Lead (ONVN)	- Review code - Make clear technical specification for sprint (N+1)	Review code Make clear schnical Participant: all dev team Duration: 1h Weeting leader: IT Lead meeting minute for RETROSPECTIVE Review code - Review code - Review code - Make clear technical specification for sprint (N+1)													- Review code - Make clear technical specification for sprint (N+2)		
BA (ON/ONVN)		Meeting leader: IT Lead Participant: all dev team Puration: 1h Duration: 1h RETROSPECTIVE Make clear technical specification for sprint (N+1) Meeting leader: IT Lead Participant: all dev team Meeting leader: IT Leader: All dev team Meeting leader: IT Leader: All dev team Meeting										Meeting leader: Addon leader Participant: all dev team + Test team + BA + IT Lead Duration: 2h	Meeting leader: BA Participant: all dev team + Test team + IT Lead Duration: 4h	Write & send meeting minute for GROOMING MEETING Send aproval for what has been done in sprint N			
TEST team	Analysis &	design high level test cases	(literal specificatio	n test cases) fo	or sprint (N+	-1)		Test all t	he new feature	s (not regression) fo	r sprint (N)			DUNING THE	Internal working meeting/report		





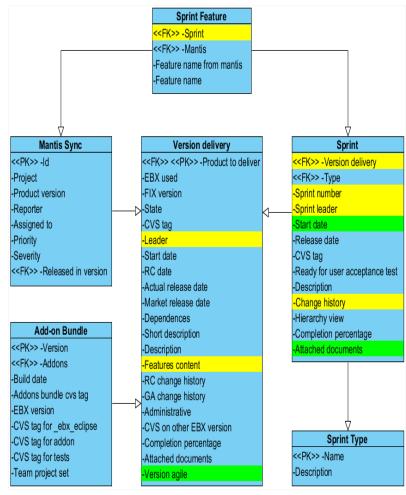
Analysis:

- Each sprint has start date and release date.
- The sprint leader can be changed during the development cycle of the add-on version.
- We need manage the milestone, the sprints content, the documentations of the add-on version which has development cycle based on the agile process.
- For the current structure of "Delivery Domain" we have: "Sprint" table, "Preview" table and "Preview feature" table.
- The information of version delivery according to the information into "Sprint" table.
- The information of sprint according to the information into "Preview" table.
- The information of sprint feature according to the information into "Preview feature" table.
- We can improve structure of these tables to support the agile process.



Solution:

- Modify the table label:
 - "Sprint" table → "Version delivery" table
- Modify some field labels:
 - "Sprint leader" field → "Leader" field
 - "Sprint feature content" field → "Feature content" field
- Add some new fields:
 - "Version agile" field
- Modify some view labels:
 - Active sprints → Active delivery version
 - All sprints → All delivery version
 - Released sprints → Released delivery versions
 - Sprint by GA date → Delivery version by GA date
 - Sprint by product version → Delivery version by product version





Solution:

Туре	Table
Name	Sprint
Label	Version delivery
Path	/root/Apis/EngineeringDomain/Sprint

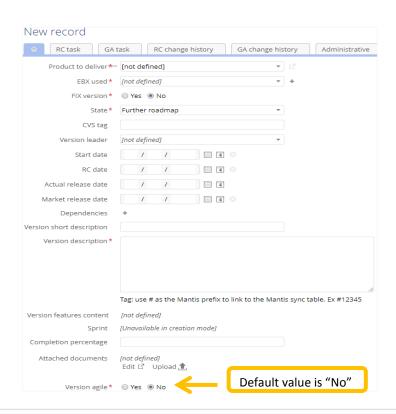
Field	Label	Туре	Description	Mandatory
		•••		
leader	Version leader	String	The person in the development team responsible for the Version's development.	No
sprintFeaturesContent	Version features String content		The system is expected to automatically compute and display all the previews and their mantises implemented in the corresponding sprints.	No
versionAgile	Version agile	Boolean	 "Yes": The add-on version develop based on the new agile process. "No": The add-on version develop based on the old process. Default value: No 	Yes
gaDate	Actual release date	Date	The date when we finish the Version delivery according to the plan. When you modify this date, a change history automatically tracks the modification through the 'GA change history' tab.	No
market Release Date	Market release date	Date	The date when we build the add-on bundle and push the product to market. This date must be equal to or after the Actual release date.	No

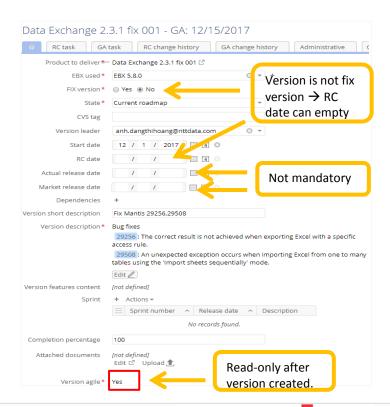




Solution:

- The "Version agile" is read-only after Version delivery created.
- If "Version agile" is "Yes":
 - The "RC date", "Actual release date" and "Market release date" are not mandatory.

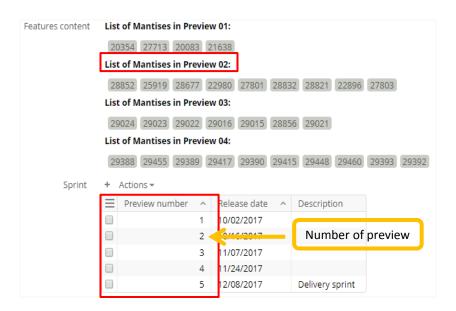


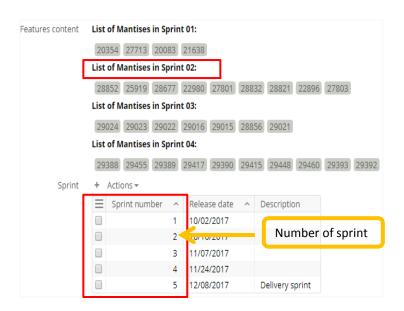




Solution:

- Modify UI label of "Feature content" field:
 - "List of Mantises in Preview {number of preview}" → "List of Mantises in Sprint {number of sprint}"



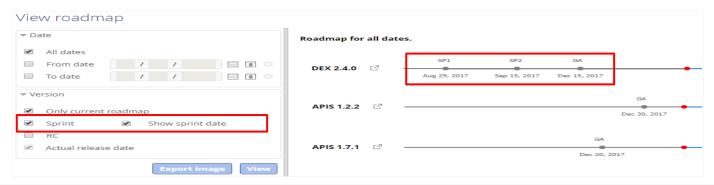




Solution:

- Modify some option labels in "View roadmap" service:
 - "Preview" option → "Sprint" option
 - "Show preview date" option → "Show sprint date" option
- Update preview date point label:
 - "PR" → SP







Solution:

- Modify some information in addon roadmap file which we have when use "Export roadmap" service
 - "Preview date (scope)" header → "Sprint date (scope)" header
 - "Sprint content" header → "Version content" header
 - Update export file content

Add-On	Market release date	Actual release date	RC	Preview date (scope)	Sprint content
Activity monitoring	Market release date 1.1.0 January 05, 2018	Actual release date 1.1.0 January 05, 2018	RC 1.1.0 January 05, 2018		Preview 01 - Ability to trace some EBX and add-on services
	Market release date 1.0.0 December 25, 2017	Actual release date 1.0.0 December 25, 2017	RC 1.0.0 December 25, 2017	Preview 01, Dec 25, 2017	Preview 01 - provide API to display a progess bar and interrupt button based on the

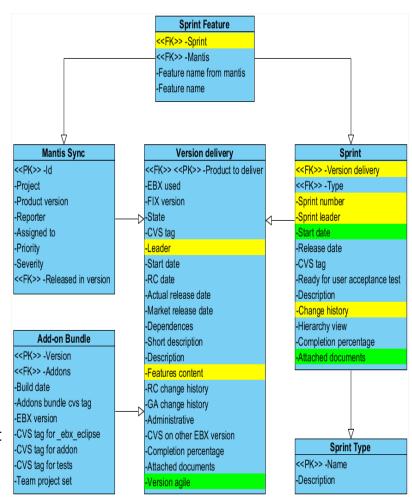
Add-On	Market release date	Actual release date	RC	Sprint date (scope)	Version content
Activity monitoring	Market release date 1.1.0 January 05, 2018	Actual release date 1.1.0 January 05, 2018	RC 1.1.0 January 05, 2018	Sprint 01, Jan 05, 2018	Sprint 01 - Ability to trace some EBX and add-on services
	Market release date 1.0.0 December 25, 2017	Actual release date 1.0.0 December 25, 2017	RC 1.0.0 December 25, 2017	Sprint 01, Dec 25, 2017	Sprint 01 - provide API to display a progess bar and interrupt button based on the



Solution:

Update the "Preview" table as following

- Modify the table label:
 - "Preview" table → "Sprint" table
- Modify some field labels:
 - "Sprint" field → "Version delivery" field
 - "Preview number" field → "Sprint number" field
 - "Preview change history" field → "Change history" field
- Add some new fields:
 - "Start" field
 - "Attached documents" field
 - Available "Sprint leader" field
- Modify some view labels:
 - Current roadmap sprint and previews → Current roadmap delivery version and sprint
 - Sprint and previews → Delivery version and sprints





Solution:

Туре	Table
Name	Preview
Label	Sprint
Path	/root/Apis/EngineeringDomain/Preview

Field	Label	Туре	Description	Mandatory
FKSprint	Version delivery	String	The version delivery of sprints.	No
order	Sprint number	Integer	Sprint number.	No
sprintLeader	Sprint leader	String	 The sprint leader Inherited from "Version leader" in "Version delivery" table 	No
type	Туре	String	 The sprint type. E.g. DEV, FC, Alpha, Beta, Kick-off, Main, Delivery Have no default value 	Yes
startDate	Start date	Date	■ The date which the sprint will be started.	Yes
candidateForClient	Ready for User Acceptance Test	Boolean	 When the sprint content is ready for the User Acceptance Test, you can flag is as such using this property. Default value: No 	Yes
attachedDocuments	Attached documents	Group of mediaType	The field stores documents of the sprint.	No



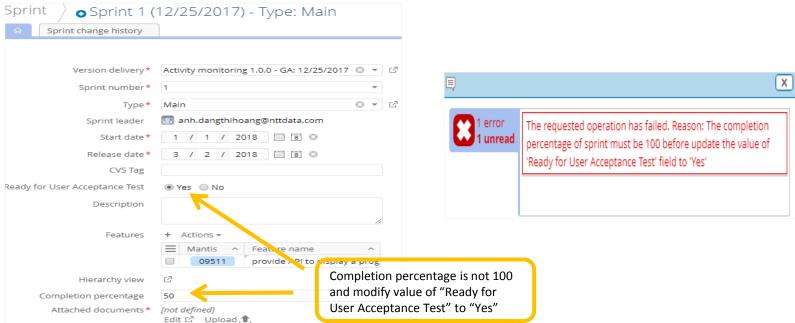


Solution:

Update the "Preview" table as following

- If Version delivery of Sprint has the value of "Version agile" field is "Yes":
 - If the value of "Completion percentage" is 100 → Automatically update the value of "Ready for User Acceptance Test" to "Yes".
 - If the user update the value of "Ready for User Acceptance Test" and the value of "Completion percentage" is not 100 → Error message will display with content:

The completion percentage of sprint must be 100 before update the value of 'Ready for User Acceptance Test' field to 'Yes'.





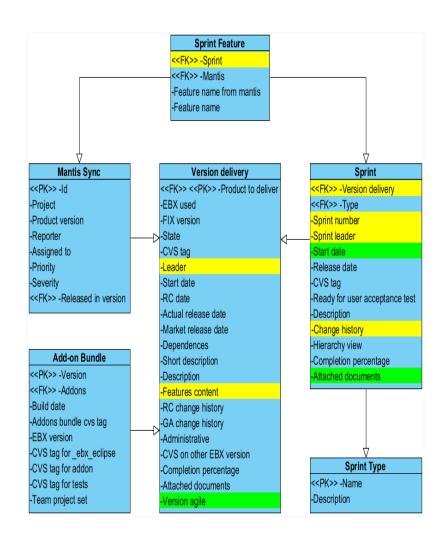
Solution:

Update the "Preview feature" table as following

- Modify the table label:
 - "Preview feature" table → "Sprint feature" table
- Modify some field labels:
 - "Preview" field → "Sprint" field
- Modify some view labels:
 - Preview and feature → Sprint and feature

Update the "Preview type" table as following

- Modify the table label:
 - "Preview type" table → "Sprint type" table
- Add some new types into the table:
 - "Kick-off"
 - "Main"
 - "Delivery"





Overview:

• In reality, we store the result of verified mantis task into the file which has template as below:

			-		G	Н
o ID	Ţ	Person in charg 🔻	Deadline 🔻	Test result 🔻	Comment	Steps to reproduce
1	26824	dhhieu	7/5/2017	Pass	Not reproduce, agree to close bug	Fig. 10 10
2	26838	lply	7/5/2017	Pass	THE STATE OF THE S	
3	26829	lply	7/5/2017	Pass		
4	26832	vttphuong	7/5/2017	Pass		
5	26820	vttphuong	7/5/2017	Fail	Re-open	
6	26783	vttphuong	7/5/2017	Pass	Line Line	
1	26827	vttphuong	7/5/2017	Pass		
2	26817	vttphuong	7/5/2017	Pass		
3	26816	vttphuong	7/5/2017	Pass		
	1 2 3 4 5 6 1 2	1 26824 2 26838 3 26829 4 26832 5 26820 6 26783 1 26827 2 26817	1 26824 dhhieu 2 26838 lply 3 26829 lply 4 26832 vttphuong 5 26820 vttphuong 6 26783 vttphuong 1 26827 vttphuong 2 26817 vttphuong 3 26816 vttphuong	1 26824 dhhieu 7/5/2017 2 26838 lply 7/5/2017 3 26829 lply 7/5/2017 4 26832 vttphuong 7/5/2017 5 26820 vttphuong 7/5/2017 6 26783 vttphuong 7/5/2017 1 26827 vttphuong 7/5/2017 2 26817 vttphuong 7/5/2017	1 26824 dhhieu 7/5/2017 Pass 2 26838 lply 7/5/2017 Pass 3 26829 lply 7/5/2017 Pass 4 26832 vttphuong 7/5/2017 Pass 5 26820 vttphuong 7/5/2017 Fail 6 26783 vttphuong 7/5/2017 Pass 1 26827 vttphuong 7/5/2017 Pass 2 26817 vttphuong 7/5/2017 Pass	1 26824 dhhieu 7/5/2017 Pass Not reproduce, agree to close bug 2 26838 lply 7/5/2017 Pass 3 26829 lply 7/5/2017 Pass 4 26832 vttphuong 7/5/2017 Pass 5 26820 vttphuong 7/5/2017 Fail Re-open 6 26783 vttphuong 7/5/2017 Pass 1 26827 vttphuong 7/5/2017 Pass 2 26817 vttphuong 7/5/2017 Pass

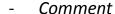
Analysis:

• In Test domain, we need to a new table into "Test execution" group to store the result of verified mantis task instead of store this information into a document.

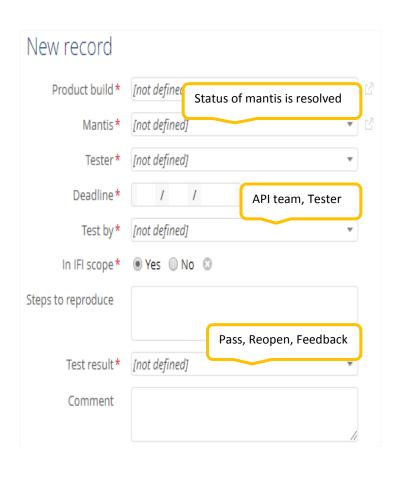


Solution:

- In Test domain, we create new "Verify resolved mantis" table.
- Table will have some columns as low:
 - oid (Primary key)
 - Product build
 - Mantis ID (Mantis which has status is 'Resolved')
 - Tester
 - Deadline
 - Test by (API team, Tester)
 - In IFI scope (Yes/No)
 - Steps to reproduce
 - Test result (Pass, Reopen, Feedback)











Solution:

[Verify resolved mantis] Table

Туре	Table
Name	VerifyResolvedMantis
Label	Verify resolved mantis
Description	This table store the result of verified mantis task.
Path	/root/Apis/TestDriving/TestExecution/VerifyResolvedMantis



Solution:

[Verify resolved mantis] Table

Field	Label	Туре	Description	Mandatory
oid	oid	Integer	Primary Key	Yes
fkProductBuild	Product build	String	 Foreign Key Refer: /root/Reality/Product/ProductBuild The product build that contains verified mantis. 	Yes
fkMantis	Mantis	String	 Foreign Key Refer: /root/Apis/RequestDriving/MantisSynchronization The mantis that is verified. 	Yes
tester	Tester	String	The tester who is in charge of verification for the mantis.	Yes
deadline	Deadline	Date	The deadline of verification for mantis.	Yes
testBy	Test by	String	 The test team who is in charge of verification for the mantis. Values: API team, Tester 	Yes
inIFIScope	In IFI scope	Boolean	 Values: Yes, No. Default value: Yes Yes: The mantis which is verified by IFI test team. No: The mantis which is out of IFI test scope. 	Yes
stepsToReproduce	Steps to reproduce	Text	Step to reproduce the mantis.	No
testResult	Test result	String	The test result of verified mantis.Values: Pass, Reopen, Feedback	Yes
comment	Comment	Text		No





Overview:

- For each product build, the test team or the API team must verify the mantis which resolved in the product build.
- After verification is completed, we have to collection test result and inform to the test manager with the information as below:

From: Nguyen Thi Hien, Luong

Sent: Thursday, July 20, 2017 4:50 PM

To: Vu Thi Ai, Hoa Cc: Nguyen Trong, Phuc

Subject: MDM-Test report 5.7.1 fix N RC [1034:0031]

Hi,

Here is test report for checking resolved mantis in which:

- ✓ Bug resolved and confirmed fixed by test team: 26945, 26333, 26690, 25475.
- ✓ Bugs out of IFI test scope: 26527, 26650, 26524.
- ✓ Bug resolved and confirmed fixed by API test team: 19630, 26735, 26745.
- ✓ Bug waiting for feedback: 26968.

For Unit test, all add-ons Unit tests on this version are pass.





Analysis:

- The task have performed manually and the test result not be stored.
- We need to a new service allow user to create report by test result in the "Verify resolved mantis" table.



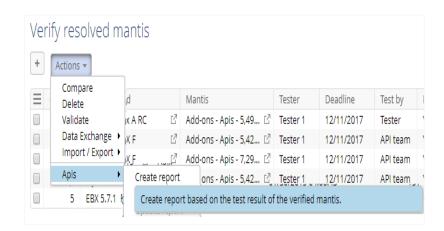
Solution:

Create new "Create report" service in "Verify resolved mantis" table.

The service allows user can create report by test result of verified mantis and export report to xls file.

Permission:

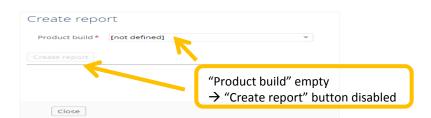
- The user who has "Manager", "Test manager",
 "Addon test leader" and "Tester" role can run the service.
- The service not available for other users.

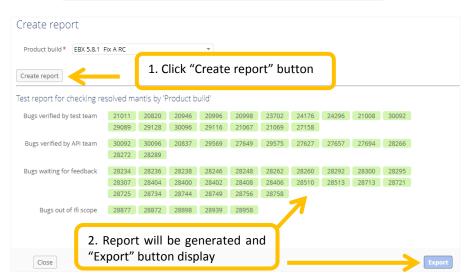


Solution:

Create new "Create report" service in "Verify resolved mantis" table.

- If user don't choose "Product build" → "Create report" button will not be enabled.
- When user click "Create report" button → the report will generated and "Export" button will display to allow user to export report.
- If the report has no mantis which be verified then "Export" button will not display.
- If the specific category has no mantis then report for this will not be generated
- When user click "Export" button → popup download will display to user can download the report file.











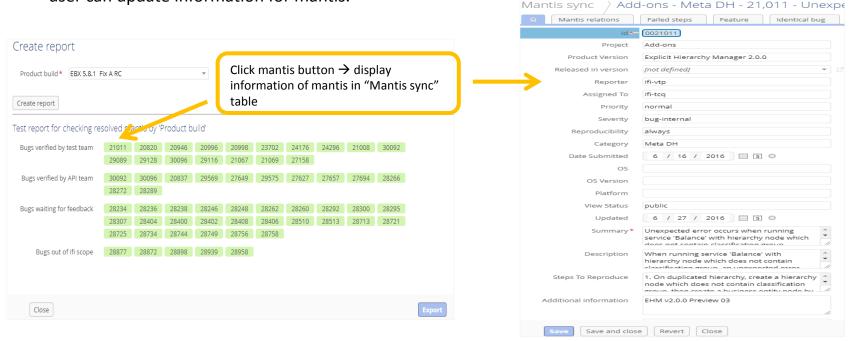
Solution:

Create new "Create report" service in "Verify resolved mantis" table.

The mantis in report will be show by button.

• When user click mantis button \rightarrow display popup contains information of mantis in "Mantis sync" table,

user can update information for mantis.





Solution:

Create new "Create report" service in "Verify resolved mantis" table.

■ The report file:

- Name: Prefix – Product build name – Creation date (Prefix: "MDM Test report")

- Extension: .xls

Example: MDM Test report - EBX 5.8.1 Fix A RC - 2018-02-01.xls

The report file content as below:

MDM Test report - EBX 5.8.1 Fix A RC: January 02, 2018

Category	Mantis	Total
Bugs resolved and confirmed fixed by test team	21011, 20820, 20946, 20996, 20998, 23702, 24176, 24296, 21008, 30092, 29089, 29128, 30096, 29116, 21067, 21069, 27158	17
Bugs resolved and confirmed fixed by API test team	30092, 30096, 20837, 29569, 27649, 29575, 27627, 27657, 27694, 28266, 28272, 28289	12
Bugs waiting for feedback	28234, 28236, 28238, 28246, 28248, 28262, 28260, 28292, 28300, 28295, 28307, 28404, 28400, 28402, 28408, 28406, 28510, 28513, 28713, 28721, 28725, 28734, 28744, 28749, 28756, 28758	26
Bugs out of IFI test scope	28877, 28872, 28898, 28939, 28958	5





[29081]: [Test] Add a table into 'Test execution' group in Test domain to store the check list for monkey test.

Solution:

• Currently, The check list for monkey test is being managed by excel file which has template as below:

A	В	С	D	E	F	G	Н	1	J	K	L	M	
HECK LIST FOR TESTI	NG NEW FEATURES												
ild name	Feature	Detailed functions	Exist on Release note	Test by SC and/or free form	SC on Apis	Free form cases to test	Tester	Execution Date	Test result	Mantis ID	Note		
			Yes	Free form	No	last file / using combo keyboard shortcuts : SHIFT + LEFT/RIGHT/TOP/DOWN	nhyen	06/09/2017	Pass	26833			
		Copy a range of cells and paste it to	Yes	Free form	No	Select a range of cells in same column by simple keyboard shift selection then use combo Ctr+C and Ctrl+V to paste this range of cells to a cell	nhyen	07/09/2017	Pass	26833			
		an other cell in table	Yes	Free form	No		nhyen	07/09/2017	Pass	26833			
	Grid edit		Yes	Free form	No	IV. Execute (II) cases again with different ranges (2/10/20//100 records)	nhyen	07/09/2017	Pass	26833			
	Grid edit (Mantis 26833)	Read only cells (UI bean and custom widgets)	Yes	Free form	No					26833			
		Copy/paste over table pages	Yes	Free form	No	Copy and paste a range of cells from page next to each other Copy and paste a cell from a page to another page (not contiguous)	nhyen	07/09/2017	Pass	26833			
		Paste IDs or Labels to combo box	Yes	Free form	No	2. Paste invalid ID/label to combo box field \Rightarrow check localized error message	nhyen	07/09/2017	Pass	26833			
5.8.1 GP		Date input error on save	Yes	Free form	No	Check if input invalid data for date field, user can save the invalid data or not?	nhyen	07/09/2017	Pass	26833			
		defined or less than "full", the target entity is selected in the advanced	No	Freeform	No	* Test with user can access all perspectives: 1. Login by u1, access workflow by using a permalink with scope is not define	ntthuong	07/09/2017	Pass				
	Mantis 16506	the user should be selected (either the favorite, recommended, advanced, or	No	Freeform	No	2.Access workflow by using a permalink with scope is full (http://maia:5833/ebx/5.8.0/?workflowView=inbox&service=@workflow&scope=full&closeButton=logout)	ntthuong	07/09/2017	Pass				
		If the scope is full, the perspective of the user should be selected (either the favorite, recommended advanced or first	No	Freeform	No		ntthuong	07/09/2017	Pass				
	Association	Association using an XPath predicate				association, an invalid value is displayed under the 'Displayed' area. Furthermore, all other columns are displayed under the	nthluong		Fail	28001, 28118,			





[29081]: [Test] Add a table into 'Test execution' group in Test domain to store the check list for monkey test.

Solution:

• For the convenience for management, we need to use apis manager the check list for monkey test.



[29081]: [Test] Add a table into 'Test execution' group in Test domain to store the check list for monkey test.

Solution:

• Create a 'Free form case' table to store the check list for monkey test. Data in 'Free form case' will be imported from the 'Free form case' excel file via a new 'Import free form case' service.

'Free form case' table

Туре	Table
Name	FreeFormCase
Label	Free form case
Description	This table contains the check list for monkey test.
Path	/root/Apis/TestDriving/TestExecution/FreeFormCase

Solution:

'Free form case' table

Field	Label	Туре	Description	Mandatory
oid	Oid	String	PK.	Yes
code	Code	String	Unique. Code must start with FF. Ex: FF01, FF-Apis-01	Yes
fkProductBuild	Product build	String	ng FK Refer: company: /root/Reality/Product/ProductBuilt	
fkFeature	Feature Feature String		FK. Refer: company: /root/Reality/Product/Feature	No
detailFeature	Detail feature	Text	Detail for feature	No
fkLiteralSpecifica tion	Literal specification	String	FK. Refer: /root/Apis/TestDriving/TestConfiguration/LiteralSpecification	No
fkCampaignDefin ition	Campaign definition	String	FK. Refer: /root/Apis/TestDriving/TestConfiguration/CampaignDefinition	Yes
fkScenario	Scenario	String	FK. Refer: /root/Apis/TestDriving/TestConfiguration/Scenario	Yes
fkStep	Step	String	FK. Refer: /root/Apis/TestDriving/TestConfiguration/Step	Yes



Solution:

'Free form case' table

Field	Label	Туре	Description	Mandatory
freeFormCase	Free form case	Text	Description for free form case.	No
tester	Tester	String	The tester who are responsible for testing.	Yes
executionDate	Execution date	Date	The date for execution.	Yes
testResult	Test result	String	The result of testing.	Yes
fkMantisIdentitier	Mantis identifier	String	FK. Multi-value Refer: /root/Apis/RequestDriving/MantisSynchronization	No
note	Note	Text	Note for free form case.	No

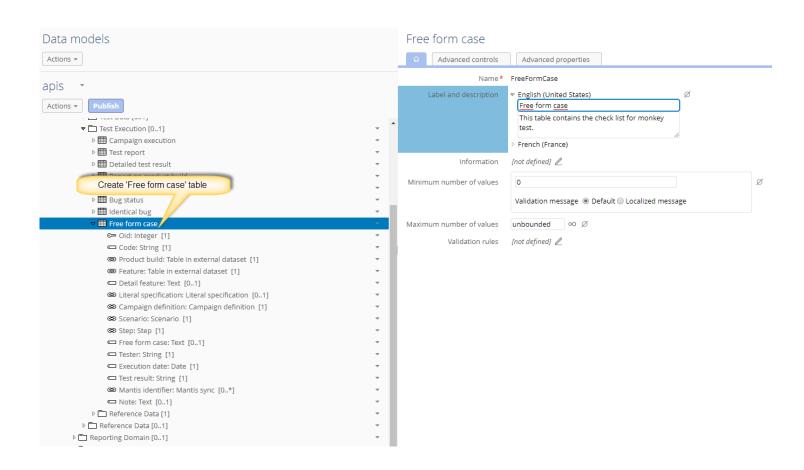






Solution:

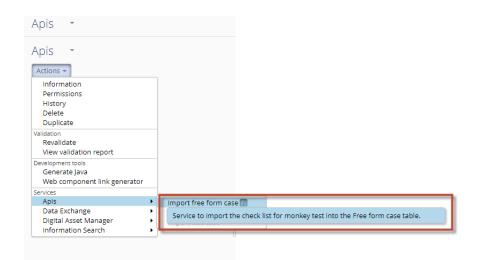
'Free form case' table







- This service allows user create, update record on the 'Free form case' table and the related table
- Label: Import free form case; Description: Service to import the check list for monkey test into the Free form case table.
- Permission:
 - User who has "Tester" role or "Addon-test-leader" role or "Test manager" role or 'Manager' role, can run this service.
 - Other users do not see this service.







Solution:

- Regarding to the imported file, we will define a template of this file:
 - The type of file: .xls, .xlsx.
 - The file includes one sheet: "Free form case" sheet.
 - The "Free form case" sheet includes columns as following: Code, Product build, Feature, Detail feature,
 Literal code, Campaign code, Scenario code, Step code, Free form case, Tester, Execution date, Test result, Mantis identifier, Note.

Α	В	С	D	E	F	G	Н	1	J	K	L	M		
Code	Product build	Feature	Detail feature	Literal code	Campaign code	Scenario code	Step code	Free form case	Tester	Execution date	Test result	Mantis identifier	Note	
FF-APIS-01	Apis 1.7.0 20171124.1 GA	Apis: Reporting - Test coverage by feature	The detail for Apis: Reporting - Test coverage by feature		CP-01	SC01		Free form case	hai.truongcong@ nttdata.com	2/12/2018	Pass	12345, 2345	Test: Note	
									_	1				
										ė———				
N NI Francis	orm case Referenc	/87 /		1		1		14				1	l	





Solution:

- Detail mode and related tables
- When create new step, The value of Objective and Description is updated from Free form case column in Import file.

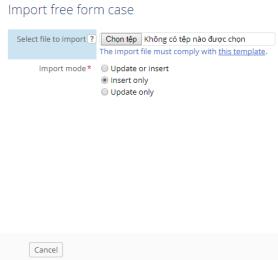
A	В	C	D	E	F	G	H	1	J	K	L	M	N	0	Р	
		Campaign definition	Literal specification	Scenario in literal	Scenario	Scenarios in campaign defintion	Step	Steps in scenario	IO context	IO data	Free form case	Campaign execution	Test report	Detailed test result		
sert only	the same primary key as in the	if Campaign code does not exist, return an error	Case 1: if Literal code does not exist, return an error. Case 2: If Literal code exists, check constraint with scenario	N/A	Case 1: if Scenario code does not exist, return an error. Case 2: If scenario code exists, check constraint with Campaign definition	N/A	Case 1: Create record only if Step code does not exist. Case 2: If Step code exist, Check constraint with Scenario		Create record	Create record	If code does not exist, a new record is created. Otherwise, nothing	Create new record	Create new record	Create new record. Update tester and status from data in excel file		
•	You can only modify existing records. If a record with the same primary key does not exist in the target table, the add-on cancels the operation and returns an error.		Case 1: if Literal code does not exist, return an error. Case 2: If Literal code exists, check constraint with scenario	N/A	Case 1: if Scenario code does not exist, return an error. Case 2: if scenario code exists, check constraint with Campaign definition	N/A	Case 1: Create new record only if Step code does not exist. Case 2: If Step code exists, Check constraint with Scenario		N/A	N/A	If code exists, it is updated. Otherwise, nothing	Create new record	Create new record	Create new record. Update tester and status from data in excel file		
pdate or insert	If a record with the same primary key exists in the target table, it is updated. Otherwise, a new record is inserted.	if Campaign code does not exist, return an error	Case 1: If Literal code does not exist, return an error. Case 2: If Literal code exists, check constraint with scenario	N/A	Case 1: if Scenario code does not exist, return an error. Case 2: If scenario code exists, check constraint with Campaign definition	N/A	Case 1: Create new record only if Step code does not exist. Case 2: If Step code exists, Check constraint with Scenario		only if record is created in Free		If code exist, it is updated. Otherwise, a new record is created	Create new record	Create new record	Create new record. Update tester and status from data in excel file		
ote: In the Upd	ate only and update or insert mode, Co	ode of Free form case	table exists, If user	only update the fiel	ds as Product build, Fe	ature, Detail feature, Literal code	e, Free form case, Mar	ntis identifier and N	ote fiels, No need	to create corresp	onding records i	n Campaign exection	, Test repor	t and Detailed test re	ult table	e.
de	Product build	Feature	Detail feature	Literal code	Campaign code	Scenario code	Step code	Free form case	Tester	Execution date	Test result	Mantis identifier	Note			
-APIS-01	Apis 1.7.0 20171124.1 GA	Apis: Reporting - Test coverage by feature	The detail for Apis:	LS-01	CP-01	SC01	ST-Test-01	Free form case	hai.truongcong@n ttdata.com	2/12/2018	Pass	12345, 2345	Test: Note			
	Free form ca template															





Solution:

- On the selected UI of service:
 - User can selects imported file from local and selects the mode of importing.
 - User can click to "this template" text, launch the download to download the template for import free form case.
 - The "import mode" has 3 options as following: Update or insert, Insert only, update only. The default option is "Insert only".
 - User clicks "Import" button to execute importing test cases.
 - User clicks "Cancel" button to cancel service.



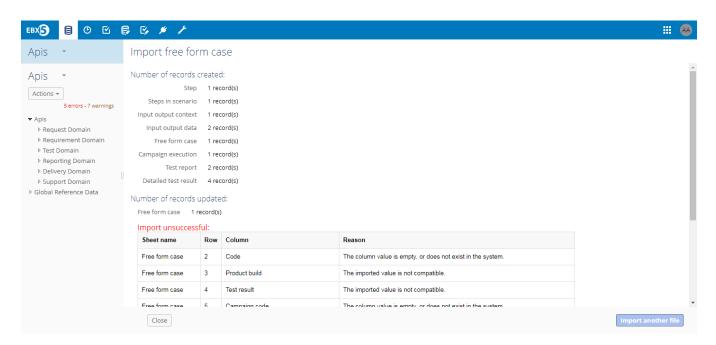


Solution:

Create new "Import free form case" service on the Apis dataset:

- While waiting to importing the free form case, it displays a progress bar display.
- After completed importing, the result UI is displayed. This UI shows the number records are created or updated in the "Free form case" table.

User can click "Import another file" button to import another file.





Solution:

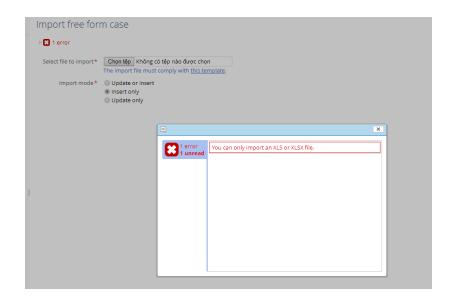
Create new "Import free form case" service on the Apis dataset:

 If user import the file has wrong file type → The service is not executed and it redirects to a page has an error message:

"You can only import an XLS or XLSX file."

 If user import the file has wrong template → The service is not executed and it redirects to a page has an error message:

"The free form case design uses an incorrect template format or has an issue."







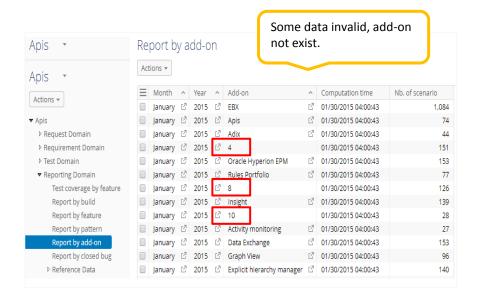


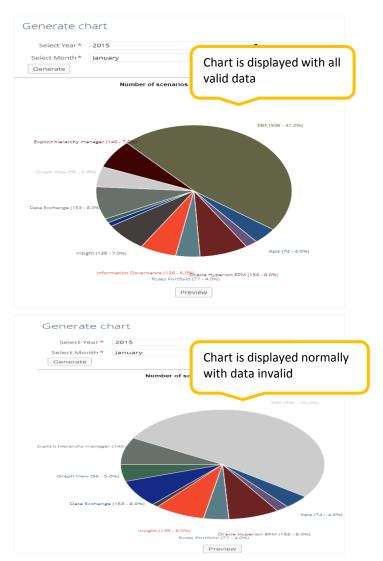
[12782]: [Reporting] Skip invalid data when generating chart instead of displaying an ajax error message.

Overview:

- The evolution has be resolved.
- In reality, the chart still displayed normally when user generate chart with some invalid data.

Example: "Report by add-on" table









[12782]: [Reporting] Skip invalid data when generating chart instead of displaying an ajax error message.

Analysis: N/A





[12782]: [Reporting] Skip invalid data when generating chart instead of displaying an ajax error message.

Solution: N/A



[30342]: Using an enumeration for the label field in the Role wrapper table.

Overview:

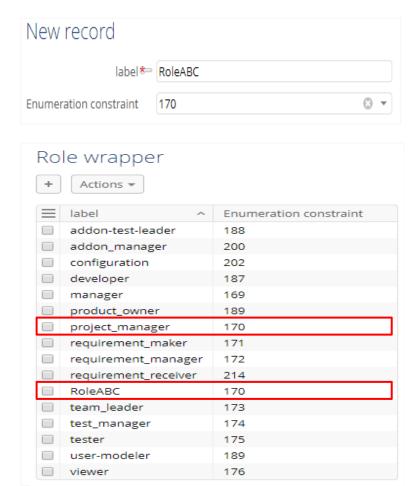
■ The "Role wrapper" table be used to decentralize the access of users.

Ro	le wrapper	
+	Actions •	
	label ^	Enumeration constraint
	addon-test-leader	188
	addon_manager	200
	configuration	202
	developer	187
	manager	169
	product_owner	189
	project_manager	170
	requirement_maker	171
	requirement_manager	172
	requirement_receiver	214
	team_leader	173
	test_manager	174
	tester	175
	user-modeler	189
	viewer	176

[30342]: Using an enumeration for the label field in the Role wrapper table.

Analysis:

- The admin can put any value when create a new role in "Role wrapper" table.
- This will lose control of the user roles and affect to decentralization.



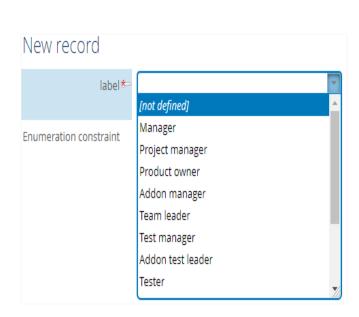




[30342]: Using an enumeration for the label field in the Role wrapper table.

Solution:

- We need to define the list of user role labels.
- The admin can choose label of user role without manually fill it.
- The list of label collected into "The list of user role labels" table.



	The list of user role labels								
No	Label	Value							
1	Manager	manager							
2	Project manager	project_manager							
3	Product owner	product_owner							
4	Addon manager	addon_manager							
5	Team leader	team_leader							
6	Test manager	test_manager							
7	Addon test leader	addon_test_leader							
8	Tester	tester							
9	Requirement manager	requirement_manager							
10	Requirement maker	requirement_maker							
11	Requirement receiver	requirement_receiver							
12	Configuration	configuration							
13	Viewer	viewer							





[30353]: The ability to redefine folder location for Apis driver by using a Java Property.

Overview:

- Currently, from the Apis 1.7.0 has used the features for the DAM add-on to manager user uploaded documents on the Apis add-on.
- After start server, the configuration's DAM will be initialized from the these .xml file. Therefore, to improves exploitability of the DAM add-on, would it be possible for a future version, it is need to redefine the location folder by a Java property.



[30353]: The ability to redefine folder location for Apis driver by using a Java Property.

Analysis: N/A

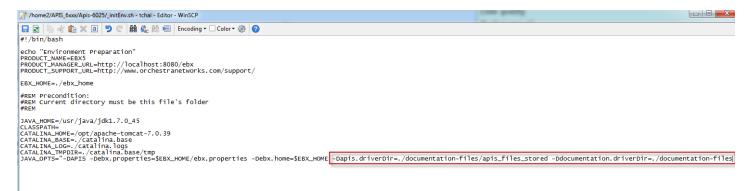




[30353]: The ability to redefine folder location for Apis driver by using a Java Property.

Solution:

- The Apis add-on may provide the ability to redefine location only for Apis drive by a Java property.
- We will create two parameter to store the folder path for Apis's file and documentation workflow's file as follows:
 - -Dapis.driverDir=<folderPath for Apis>
 - -Ddocumentation.driverDir=<folderPath for Documentation>



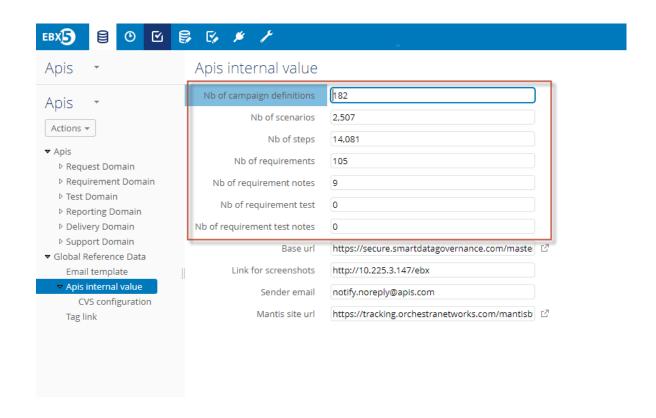




[30198]: It is necessary to remove some fields in the 'Apis internal value' table.

Solution:

- Currently, we can use the cache to store the number of records on the table. Therefore, it is necessary to remove some field in the 'Apis internal value' table including:
 - Nb of campaign definitions
 - Nb of scenarios
 - Nb of steps
 - Nb of requirements
 - Nb of requirement notes
 - Nb of requirement test
 - Nb of requirement test notes







[30198]: It is necessary to remove some fields in the 'Apis internal value' table.

Analysis: N/A







[30198]: It is necessary to remove some fields in the 'Apis internal value' table.

Solution:

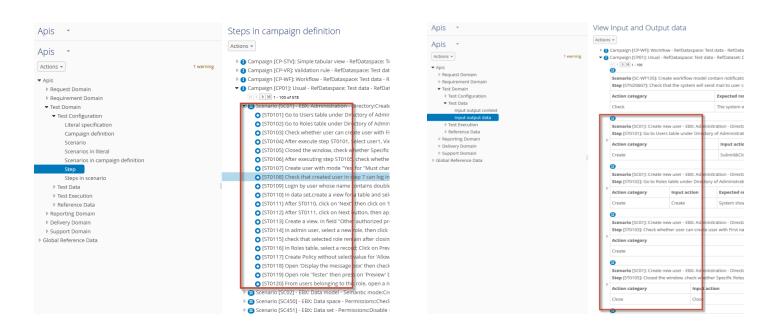
- At present, Two fields are not used:
 - Nb of requirement test
 - Nb of requirement test notes
- These two fields will be removed from the 'ebx-addon-apis' data model and no need to be processed for caching.
- The remaining fields, We will create a List<Integer> store value integer create code for the correspond tables.
- Example:
 - In the Campaign definition table has 4 records: CP01, CP02, CP-APIS-01, CPA1 List<Integer> nbCampaignDefinition = {1, 2};
 - when create a record then new record will be had code = CP{Max(nbCampaignDefinition) + 1} = CP3; nbCampaignDefinition = {1, 2, 3};
 - ➤ Modify record have code = CP3 to CP10 then nbCampaignDefinition = {1, 2, 10};
 - Create a record then new record will be had code = CP{Max(nbCampaignDefinition) + 1} = CP11; nbCampaignDefinition = {1, 2, 10, 11};
 - Deleted record have code = CP11 then nbCampaignDefinition = {1, 2, 10};
- Note: if Max(nbCampaignDefinition) = Integer.MAX_VALUE then the code will not be automatically generated





Overview:

• Currently, The order of the step in scenario in campaign is different from the order of Input output context on hierarchy view in 'IO context'/'IO data' table as image below:



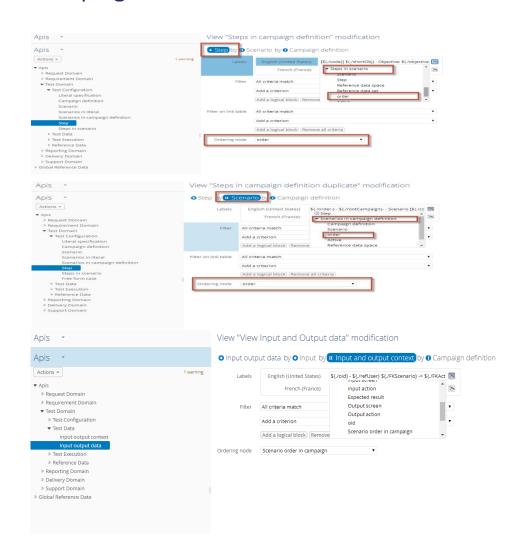
The order of them should be the same.



Analysis:

 The order of the step in scenario is based on the order field in the 'Step in scenario' table and the order of the scenario in campaign is based on the order field in the 'Scenarios in campaign definition' table

 The order of Input output context in Test data is based on the 'Scenario order in campaign' in the 'Input output context' table.







Analysis:

- Therefore, The order of them is the same, we need to create a new field to store order in the 'Input output context' table.
- The value of new field is a combination of the 'order' field in the 'Step in scenario' table and the 'Scenarios in campaign definition' table



Solution:

Create a new field on 'Input Out context' is 'order'

Туре	Table
Name	InputOutputContext
Label	Input output context
Path	/root/Apis/TestDriving/TestData/InputOutputContext

Field	Label	Туре	Description	Mandatory		
order	Order	Integer	This field stores order of record	No		



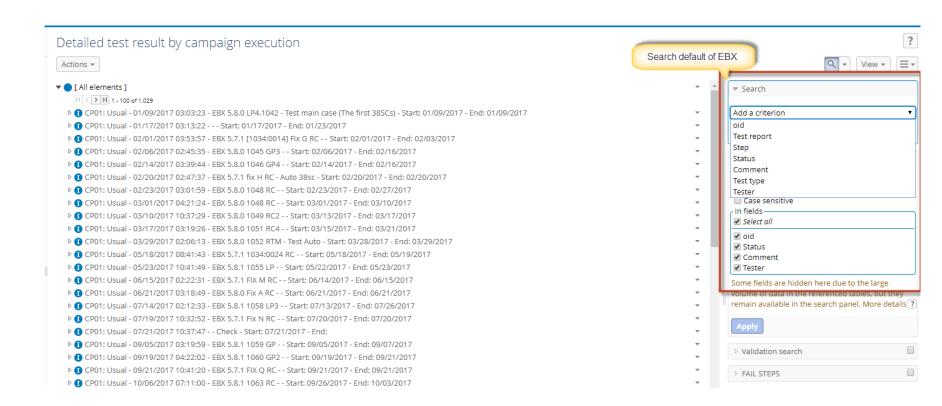
Solution:

• The value of the order field is calculated by the following formula: order = scenarioOrder * 1000 + stepOrder



Overview:

• Currently, The EBX' default search only allows searching for the fields in the current table as below:







Analysis:

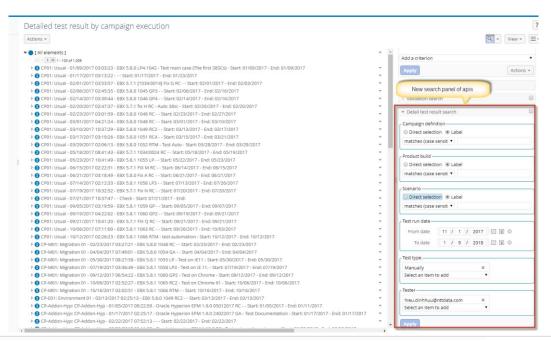
- It is necessary for users to be able to search for data on all level in a data hierarchy view.
- In the "Detailed test result' table, user to be able to search for data on the fields as:
 - Product build (Campaign execution level)
 - o Campaign definition (Campaign execution level)
 - Scenario (Test report level)
 - Test run date (Test report level)
 - Test type (Test report level)
 - Tester (Test report level)





Solution:

- · Create a new search pane with defined fields:
 - o Product build (Campaign execution level)
 - o Campaign definition (Campaign execution level)
 - Scenario (Test report level)
 - Test run date (Test report level)
 - Test type (Test report level)
 - Tester (Test report level)

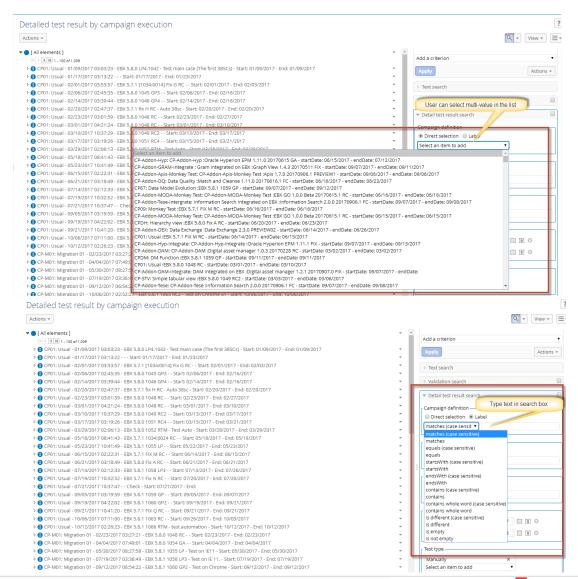




Solution:

Campaign definition, Product build and Scenario

Users have two options: Direct selection and Label as photo beside:

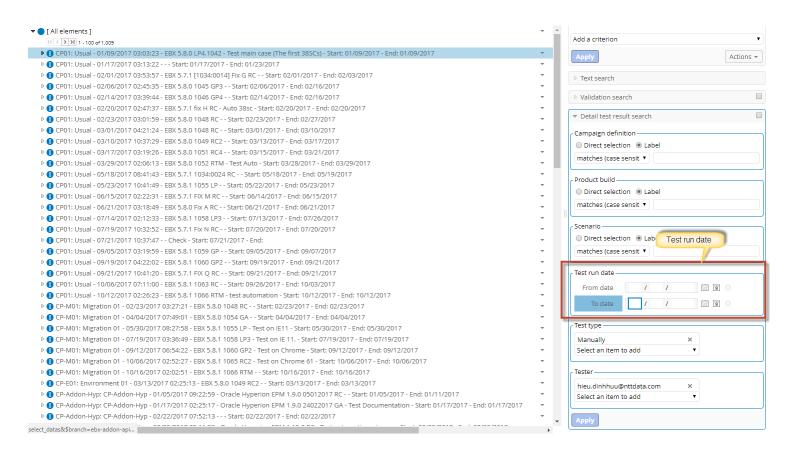






Solution:

Test run date

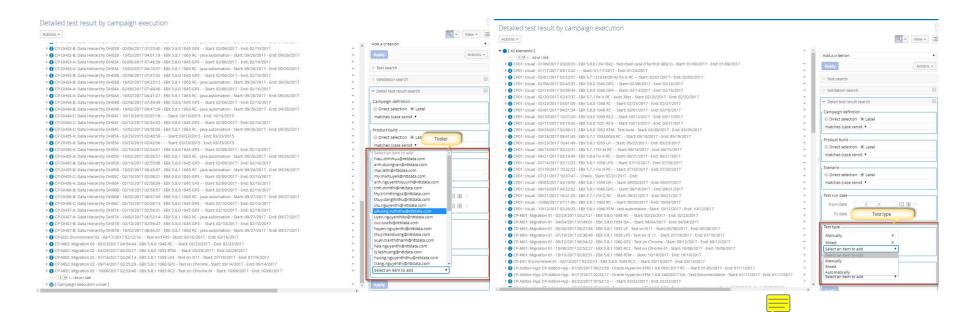






Solution:

Test type and tester:







End

