



CAT4.14 User Manual

-Application-

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Chapter 1: User Management

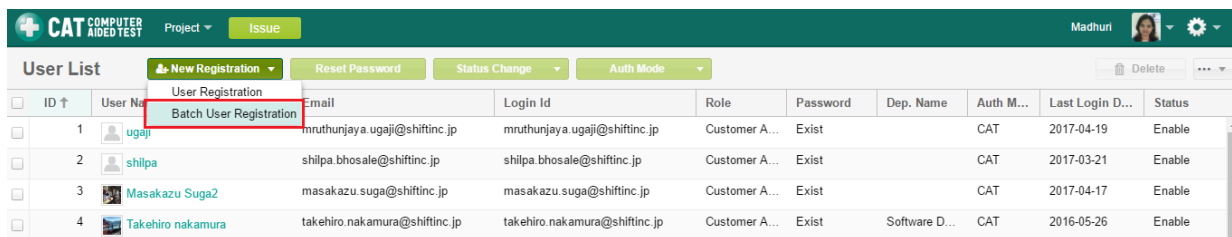
1.1 Register Users in Batch with a CSV File

Here shows the way to register users in batch with a CSV file. It's possible to upload the CSV file that contains users' information in CAT's user registration format, which is downloadable by pressing the default button.

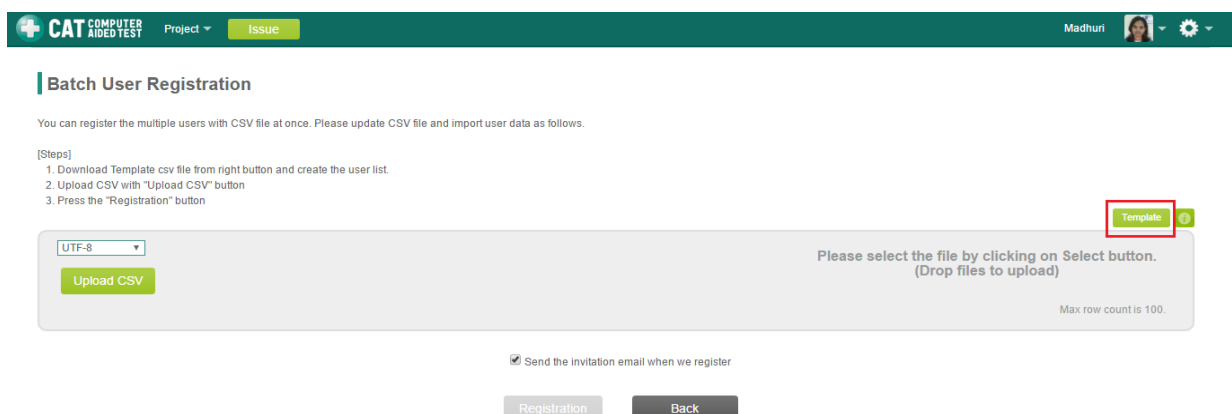
- (1) Press User Management link from the header drop-down menu.



- (2) Click the Batch User Registration link in the drop-down menu shown by pressing the “New Registration” button.



- (3) Please press the template button and download the format for registering users in a batch. This step is omittable if the user already has the format which can be used.



- (4) Check the user information format by pressing the help button, which is required if the department format and work location are different from current CAT settings.



Help

Format in batch user registration

Please refer the below instructions to register multiple users through csv format

- * Means required fields
- This feature is available if you use the CAT authentication

ID	Field	Description										
1	Username*	Fill in the user name										
2	Email Id	Fill in the user's email address										
3	Login Id	Fill in the user's login id. If login id is not entered email id will be set as login id										
4	Password	Fill in the user password. If password is not set then user will set password himself.										
5	Role*	To assign user Role please refer below table <table border="1"> <thead> <tr> <th>Roles</th> <th>Values</th> </tr> </thead> <tbody> <tr> <td>Admin</td> <td>0</td> </tr> <tr> <td>Employee</td> <td>1</td> </tr> <tr> <td>Partner</td> <td>2</td> </tr> <tr> <td>Guest</td> <td>3</td> </tr> </tbody> </table>	Roles	Values	Admin	0	Employee	1	Partner	2	Guest	3
Roles	Values											
Admin	0											
Employee	1											
Partner	2											
Guest	3											
6	Status*	To assign user Status please refer below table <table border="1"> <thead> <tr> <th>Status</th> <th>Values</th> </tr> </thead> <tbody> <tr> <td>About to join</td> <td>1</td> </tr> <tr> <td>Already joined</td> <td>2</td> </tr> </tbody> </table>	Status	Values	About to join	1	Already joined	2				
Status	Values											
About to join	1											
Already joined	2											

Column Name	Description										
Username	Please enter the user name (required).										
Email	Please enter the e-mail address (required)*. * Could be optional for CAT's client version or download version.										
Login ID	Please input a login ID or the Email address will be used as the default one.										
Password	Please input the password or set up a new password in the first login.										
Role	Please enter the required user authority in scale 0-3 as guided below. <table> <tr> <th>Authority</th><th>Input Value</th></tr> <tr> <td>Employee (Administrator)</td><td>0</td></tr> <tr> <td>Employee</td><td>1</td></tr> <tr> <td>Contract Employee</td><td>2</td></tr> <tr> <td>Customer</td><td>3</td></tr> </table>	Authority	Input Value	Employee (Administrator)	0	Employee	1	Contract Employee	2	Customer	3
Authority	Input Value										
Employee (Administrator)	0										
Employee	1										
Contract Employee	2										
Customer	3										
Status	Please enter the required user status in scale 1-3 as guided below. <table> <tr> <th>Status</th><th>Input Value</th></tr> <tr> <td>About To Join</td><td>1</td></tr> <tr> <td>Already Joined</td><td>2</td></tr> <tr> <td>Retired</td><td>3</td></tr> </table>	Status	Input Value	About To Join	1	Already Joined	2	Retired	3		
Status	Input Value										
About To Join	1										
Already Joined	2										
Retired	3										
Department Name	Please enter the department name and check its corresponding value on the Batch User Registration Screen shown by pressing the “i” button.										
Work Location	Please enter the work location and check its corresponding value on the Batch User Registration Screen shown by pressing the “i” button.										
Joining Date	Please enter the employment date in YYYY / MM / DD format.										

(5) Please enter the user information to be registered into the CSV file.

	Username*	Email Id*	Login Id	Password	Role*	Status*	Department	Work Place	Joining Date
2	Madhuri	madhuri.hinge@shiftinc.jp		Madhuri123		0	1		2017-04-21
3	Vrushali	rushali.gavande@shiftinc.in		vrushali124		0	1		2017-04-22

(6) Upload the user information through drag & drop the file or pressing “Upload CSV” button.

Project ▾ Issue

Madhuri

Batch User Registration

You can register the multiple users with CSV file at once. Please update CSV file and import user data as follows.

[Steps]

1. Download Template csv file from right button and create the user list.
2. Upload CSV with "Upload CSV" button
3. Press the "Registration" button

UTF-8 ▾

BatchUserRegistration.csv

Upload CSV

Please select the file by clicking on Select button.
(Drop files to upload)

Max row count is 100.

☒ Send the invitation email when we register

Registration Back

1.2 User Attribute Management

The user can register the department, rank and work location that they would like to register, which are utilizable as the search term when setting up the team.

1.2.1 Department Management

- (1) Mouseover the Setting Icon and press the System Management in the drop-down menu.

- (2) Press the department management button link.

- (3) Press the “New Registration” button.

- (4) Enter the department name and press the register button.

1.2.2 Rank and Work Location Management

Please follow the below guides to register the rank and the work location.

- (1) Select System Management from the drop-down in the header bar.

- (2) Press the ETC Management button.

- (3) Press the edit button.

- (4) Enter the rank and the work location and press the button to register them.

1.2.3 Assign a Department, a Rank and a Work Location to the User

Registered contents can be assigned to the user via user management. Also, you can change your department and work location on the profile edit screen.

Please refer to "Manual User Registration" for more details in "CAT User Manual - Fundamental -".

1.3 Send a Mail to Users to Reset the Password in Batch

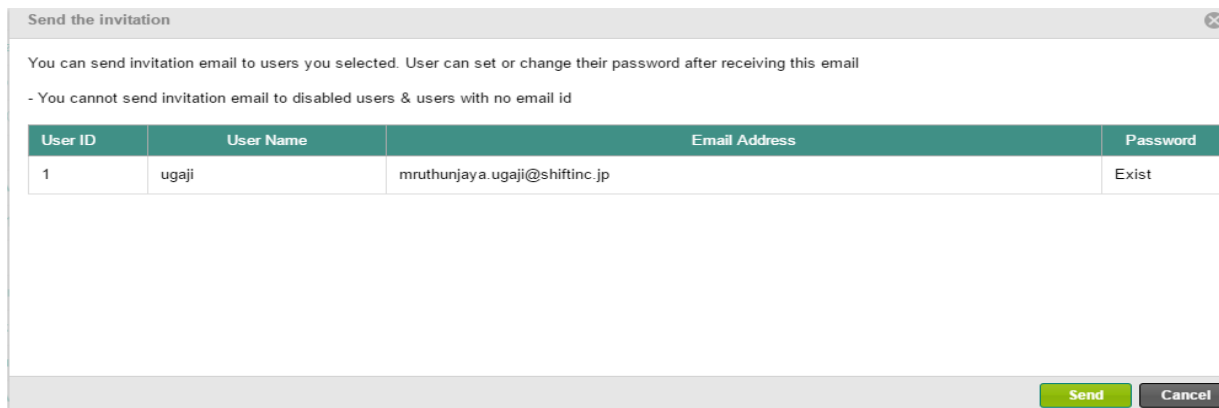
It is possible to send a mail for resetting the password to users in a batch.

- (1) Select users you'd like to reset the password and press the “Resent Password” button.



CAT COMPUTER AIDED TEST									
Project ▼ Issue ▼									
User List									
New Registration Reset Password Status Change Auth Mode									
ID	User Name	Email	Login Id	Role	Password	Dep. Name	Auth M...	Last Login D...	Status
1	ugaji	mruthunjaya.ugaji@shiftinc.jp	mruthunjaya.ugaji@shiftinc.jp	Customer A...	Exist		CAT	2017-04-19	Enable

- (2) Please check if everything is correct before pressing the “Send” button and notice that the email can't be sent without the valid status and Email address.



Send the invitation

You can send invitation email to users you selected. User can set or change their password after receiving this email

- You cannot send invitation email to disabled users & users with no email id

User ID	User Name	Email Address	Password
1	ugaji	mruthunjaya.ugaji@shiftinc.jp	Exist

Send Cancel

1.4 Lock/Unlock the User Account

For security reason, there is an account function which can lock the account after 5 consecutive login fails. The account owner can unlock the account through email and the administrator user has the authority to lock/unlock the account on the list screen too.

A lock object will appear if the user account got locked. Resetting the account can be utilized to unlock the account.

- ① Reset the password in batch by pressing the “Reset Password” button.
- ② Click “Change password”.

The first screenshot shows the 'User List' table. The 'Reset Password' button is highlighted with a red box. The user 'sankita' is listed with status 'Locked'.

ID	User Name	Email	Login Id	Role	Password	Dep. Name	Auth M...	Last Login D...	Status
15542	sankita	spradhan175@gmail.com	spradhan175@gmail.com	Customer A...	Exist		CAT		Locked

The second screenshot shows the 'User Details' form for user 'sankita'. The 'Change Password' button is highlighted with a red box.

User Name	sankita
Authentication Type	CAT
Email ID	[REDACTED]
Login ID	[REDACTED]
Password	Change Password
Role	Employee
Admin Role	<input checked="" type="checkbox"/>

The third screenshot shows the 'User Details' form for user 'sankita' after the password has been reset. The 'Change Password' button is still highlighted with a red box.

User Name	sankita
Authentication Type	CAT
Email ID	spradhan175@gmail.com
Login ID	spradhan175@gmail.com
Password	Change Password
Role	Employee
Admin Role	<input checked="" type="checkbox"/>

1.5 Switch the User Status (Valid/Invalid)

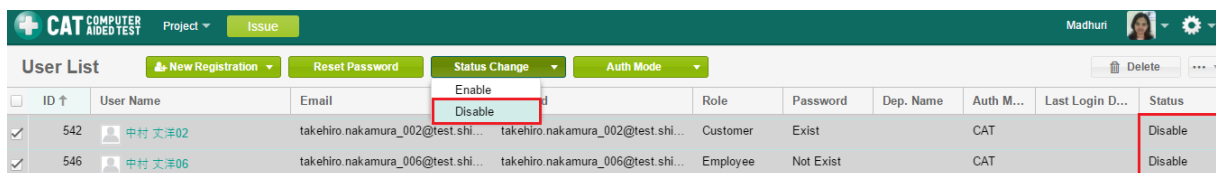
There are two states: valid and invalid.

The user can disable the authority by disabling the account, which will not be count in licenses used after the operation.

- (1) Click the user account and choose an option under the “Status Change” button to switch its status.



- (2) The new status will be activated after setting up.



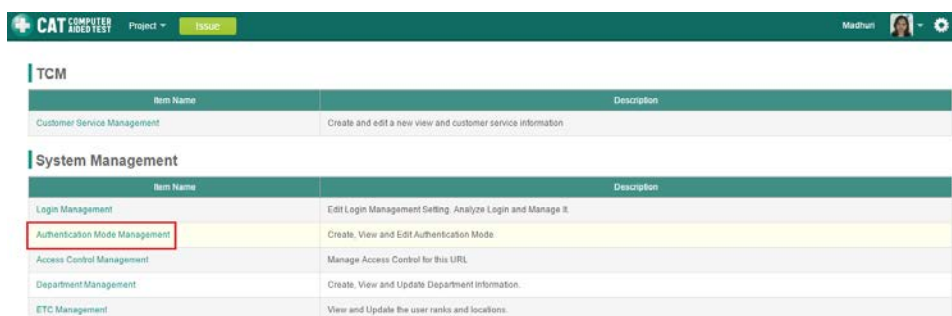
1.6 Connect to the Authentication Server

It's possible to connect the external authentication service by steps below, which will be utilized by the authentication settings illustrated in the previous section.

- (1) Press the System Management on the header drop-down menu.



- (2) Press the Authentication Method Management button.



1.6.1 Check the Configured Authentication Server

The registered authentication servers can be viewed on the Authentication Mode List (No. of users is the number of authenticated users) and the server setting content can also be checked by clicking the name on it. The user can test the connection of LDAP by pressing the test button and the issue can be checked even with a failed LDAP connection.

ID	Name	Host	No. of Users	Add Users	Test	Delete
-	CAT	CAT	320	-	-	-
6	linux_server(ldap)	ec2-176-32-94-252.ap-northeast-1.compute.amazonaws.com	12		Test	Delete
9		ip-10-188-132-50.ap-northeast-1.compute.internal	1	*	Test	Delete

Back to Setting Screen

1.6.2 Register a new Authentication Server

- (1) Press the “New Registration” button.

New Registration

- (2) Press the test button after entering the authentication method and notice that these entered settings are not yet been registered.

Authentication Mode Settings

Name: 1-100 characters | Add new users

Host: 200 characters

Port: Up to 5 digits | LDAPS

Type: OpenLDAP

Base Distinguished Name: 200 characters

Filter: 1000 characters

Bind DN: 200 characters

Bind Pass: 200 characters

User Attribute: 200 characters

User Name: 200 characters

Email: 200 characters

Location: 200 characters

Department: 200 characters

Role: 200 characters

Default Role: --Select-- | If Role attribute is not set or following roles mapping does not match, then this default role will be used.

Admin Role: 200 characters

Employee Role: 200 characters

Contract Employee Role: 200 characters

Customer Role: 200 characters

Test Cancel

Before all settings are finished in CAT, items which can be assigned with any value are configurable, which will become non-revisable after setting up because there are some LDAP policies they ought to follow.

Item	Description
Name	Enter the name for the Authentication Mode.
Host	Enter the server name to be connected.
Port	Enter the port of the host to be connected.
LDAPS	Set the check box on to enable the LDAP setting.
Directory Type	Select the LDAP server connection type (OpenLdap/ActiveDirecoty) to use.
Base Distinguished Name	Enter the basic LDAP base file extension name.
Filter	Customize the search within LDAP directory base on the criteria.
Bind DN	Set up security authentication.
Bind Pass	Set up security authentication.
User Attribute	Enter the LDAP user attribute.
User Name	Enter the LDAP username.
Email	Enter the LDAP Email address.
Work Location	Enter the work location of LDAP.
Department	Enter the department of LDAP.
Role	Enter the LDAP authorization.
Default Role	Set up the default role when there is no related setting.
Admin Role	Enter the Administrator attribute to LDAP authority settings.
Employee Role	Enter the employee attribute to LDAP authority settings.
Contract Employee Role	Enter the contract employee attribute to LDAP authority settings.
Customer Role	Enter the customer attribute to LDAP authority settings.

※ About Getting the New User.

There is a function in which can automatically register the user with LDAP server settings if there are users accounts which have fitted passwords exist in the LDAP server.

※ The Mail Address when Connecting to the LDAP Server.

Since the Email address is essential to the CAT, those users without Email attribute can not login when connecting to the LDAP server.

(3) Press the “Test Connection” button after entering the login ID and the password.

Check LDAP connection

Login Id	<input type="text"/>
Password	<input type="password"/>

Test Connection

Connection confirmation	
Authentication confirmation	
Emailid attribute verification	
User name attribute verification	
Department attribute verification	
Location attribute verification	
Role attribute verification	

Cancel

The registration can be finished by pressing the “Registration” button after confirming settings of the test connection.

Test Content	Description
Server Connection	For checking whether it's possible to connect the LDAP server, please notice that the test will fail if it's not allowed to connect. Please check if the server name and the port number are correct before the connection.
Confirm the Login	For checking whether it's possible to log in the LDAP server, please notice that the test will fail if it's not allowed to log in. Please check whether the port number, base file name extension, user file name extension and the password are correct before the connection.
Confirm the User name	It's possible to get the user name and the test will fail if it's not possible to do it. Please remember to confirm whether the user name attribute is correct.
Confirm the Email Address	Please confirm whether the Email address is acquirable and correct and notice that it's possible to do the registration without it.
Confirm the Department	Please check whether it's possible to get the department and notice that the department can't connect to the LDAP but it's possible to do the registration without it.
Confirm the Work Location	Please check whether it's possible to get the work location and notice that the work location can't connect to the LDAP but it's possible to do the registration without it.
Confirm the Authority	Please check whether the authority is acquirable and notice that it's possible to do the registration without it. Besides, the authority can't connect to the LDAP.

※ Items which can't connect to the LDAP are editable.

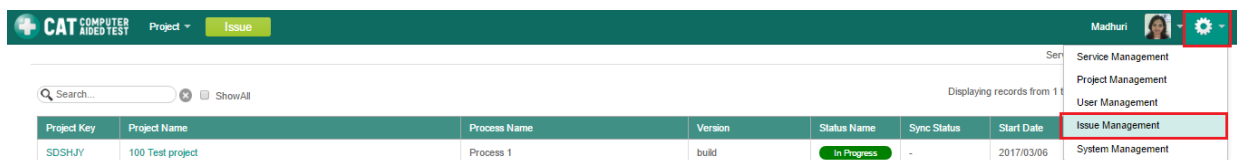
Chapter 2: Setting the Issue

CAT is flexible to register the issue with customized fields, which is executable by the employee user with administrator authority.

2.1 Issue Management

It is possible to manage types, customized fields, status, and common fields. Please refer to following steps to move to the operation screen.

- (1) Press the Issue Management in the drop-down menu shown by clicking the setting icon.



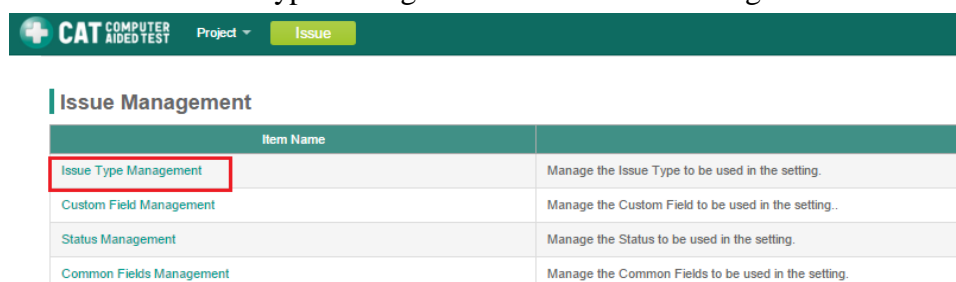
- (2) The user can manage types, customized fields, status and common fields on the issue management screen.



2.1.1 Register a New Issue Type

The user can register, edit and delete an issue type with the issue type management function. Besides, it's also possible to do some operations on the issue type in detail such as linking the customized filed to a type, setting required items or setting the issue type in detail.

- (1) Please click “Issue Type Management” on the issue management screen.

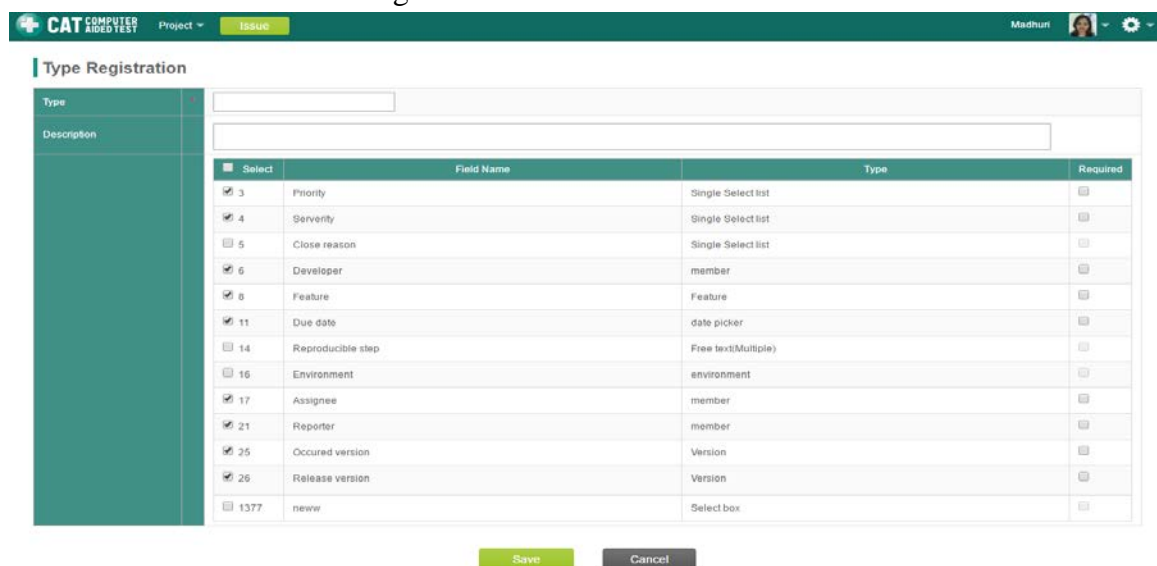


- (2) Press “New” Button.



- (3) Select those fields to be used and required.

Enter the type name and its description and click the customized field to be used. Click the box on the right side for making the customized field required and remember to press the “save” button finish the editing.



- (4) It will move to the Issue Type Management screen if settings are successfully saved. The user can do various kind of editing by clicking the type name on the Issue Type Management Screen and delete a type by clicking the Delete button on the right side.

※ Those types currently in use can not be deleted.



ID	Type	Description	Delete
1	Bug	製品の機能が正しく動かない問題を管理する種別です。	Delete
2	Request	製品の機能改善を管理する種別です。	Delete
3	Inquiry	製品に対する問い合わせを管理する種別です。	Delete

2.1.2 Register a New Customized Field

The user can create, edit and delete a customized field on Custom Field Management screen. This chapter illustrates the way of creating a new customized field.

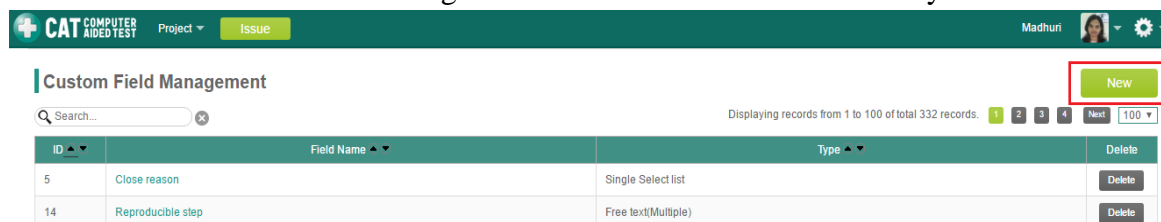
- (1) Press the “Custom Field Management” button on the issue management screen.



Item Name	Overview
Issue Type Management	Manage the Issue Type to be used in the setting.
Custom Field Management	Manage the Custom Field to be used in the setting.
Status Management	Manage the Status to be used in the setting.
Common Fields Management	Manage the Common Fields to be used in the setting.

- (2) Press the “New” button.

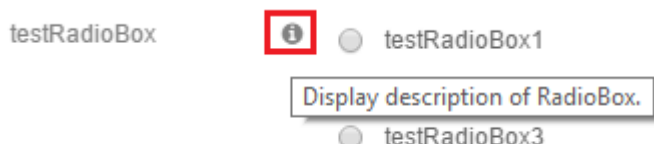
Press the “Delete” button on the right side to delete the customized field you’d like to remove.



ID	Field Name	Type	Delete
5	Close reason	Single Select list	Delete
14	Reproducible step	Free text(Multiple)	Delete

- (3) Enter the field name, the type and edit its default value and enter the options, then press the “save” button.

✖When editing the “Description” section, the “i” icon which shows the description while the pointer is hovering around on the right side of the issue registration screen.



[Overview of Customized Field Types]

The user can select a custom field type as below and please notice that those types vary depending on the existence of the default value.

Type	Description	Initial Value
Multiple Choice List	The Combo box to make a selection from defined options.	Yes
Multiple Choices List	The List box to make more than one option from defined ones.	Yes
Test Box (Single Line)	One line text box.	Yes
Test Box (More than one Line)	Multi-line text box.	Yes
Check box	The check box for defining the true/false.	Yes
Radio Box	The radio box in which the user can make a choice from defined options.	Yes
Selected Box	The text box that can register the text and those can be searched in the unit defined in the project.	Yes
URL	The text box that shows the link.	Yes
Member	The combo box that allows the user to select a defined team member.	No
Date	Text box with calendar input assistance.	No
Date (Time Picker)	Text box with calendar input assistance.	No

2.1.3 Register a New Status

With status management, the user can create, edit, and delete the status of each type. This section illustrates the new way to do the registration.

- (1) Press the status management button on the Issue Management screen.



- (2) Press the “New” Button.



- (3) Enter the status name, type and please notice that entering the Retry flag(※), initial value and description are required. Then press the “save” button after the operation.

※ If the user change to a status with the Retry flag, the issue’s retry count as well as the in charge developer’s retry count will be increased by one.

Create Status

Name	<input type="text"/>
Type	<input type="text" value="---Select---"/>
Retry	<input type="checkbox"/> The number of retry count is incremented if user select this status.
Default	<input type="checkbox"/>
Description	<input type="text"/>

- (4) Press the save button and return to the status management screen. Move to the status’s edit screen where the user can edit the preserved content by pressing the status name link. The status can also be deleted by pressing the delete button.

2.1.4 Register a New Priority

The priority management and severity management are available in the common field management. This section illustrates the way to set up the new priority.

※ Please also refer to this section for knowing how to set up the new severity.

- (1) Press the common field management button on the issue management screen.

The screenshot shows the 'Issue Management' screen. At the top, there is a header bar with the CAT logo, 'Project' dropdown, 'Issue' button, and user profile 'Madhuri'. Below the header, the 'Issue Management' section contains a table with two columns: 'Item Name' and 'Overview'. The table lists four items: 'Issue Type Management', 'Custom Field Management', 'Status Management', and 'Common Fields Management'. The 'Common Fields Management' item is highlighted with a red box.

Item Name	Overview
Issue Type Management	Manage the Issue Type to be used in the setting.
Custom Field Management	Manage the Custom Field to be used in the setting..
Status Management	Manage the Status to be used in the setting.
Common Fields Management	Manage the Common Fields to be used in the setting.

- (2) Press the Priority Management.

The screenshot shows the 'Common Fields Management' screen. At the top, there is a header bar with the CAT logo, 'Project' dropdown, 'Issue' button, and user profile 'Madhuri'. Below the header, the 'Common Fields Management' section contains a table with two columns: 'List' and 'Overview'. The table lists two items: 'Priority Management' and 'Severity Management'. The 'Priority Management' item is highlighted with a red box. Below the table, there is a 'Back to Issue Management' button.

List	Overview
Priority Management	Manage the priority to be used in the setting.
Severity Management	Manage the severity to be used in the setting.

Back to Issue Management

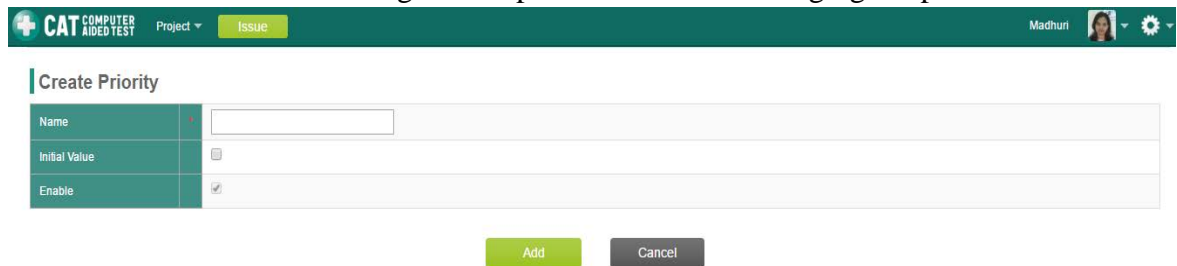
- (3) Press the “New” button.

The screenshot shows the 'Priority Management' screen. At the top, there is a header bar with the CAT logo, 'Project' dropdown, 'Issue' button, and user profile 'Madhuri'. Below the header, the 'Priority Management' section contains a table with three columns: 'ID', 'Priority', and 'Status'. The table lists seven priorities: P1, P2, P3, P4, P5, P6, and P7. P3 is marked with a green checkmark. Above the table, there are 'Up' and 'Down' buttons. To the right of the table, there are 'New' and 'Delete' buttons. The 'New' button is highlighted with a red box. Below the table, there are 'Save' and 'Cancel' buttons.

ID	Priority	Status
1	P1	true
2	P2	true
3	P3 ✓	true
4	P4	false
5	P5	true
6	P6	true
7	P7	true

Save Cancel

- (4) Press the “Add” button after entering the priority’s new tag name and any necessary settings.
- Tag’s Initial value: When the check box is on, it will be used as the default value for issue registration.
 - ※ The initial value set for other tags will be invalid.
 - Tag’s Validation: The priority tag can be invalidated by unchecking the “Enable” check box. Then the user can delete the tag from input items without changing the past data.



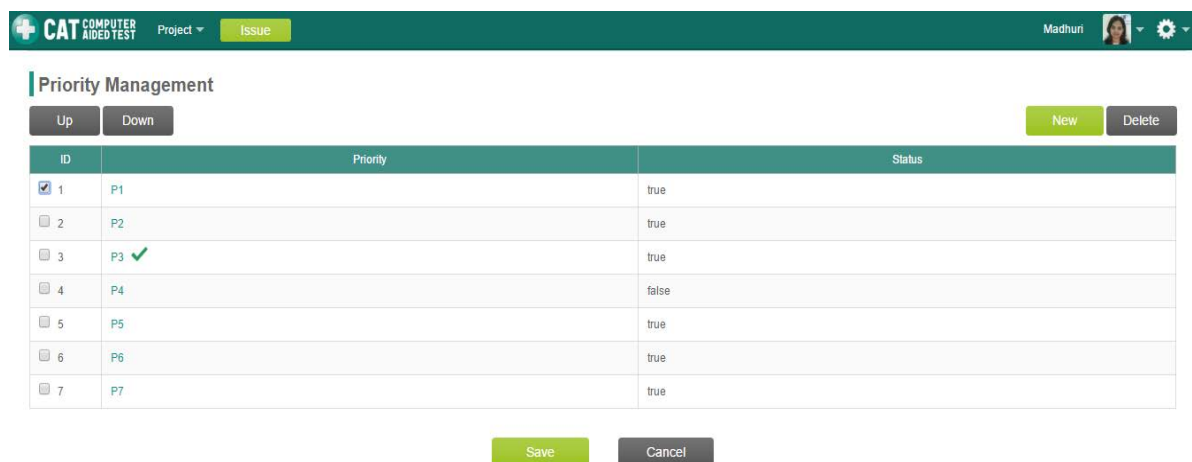
CREATE Priority

Name	<input type="text"/>
Initial Value	<input type="checkbox"/>
Enable	<input checked="" type="checkbox"/>

Add Cancel

- (5) Adjust the display order.
- The display order can be adjusted on the Priority Management screen by utilizing the Up and Down button after activating them through clicking the check box in ID column.
- ※ Those tags with check box on are delectable with the delete button

Please press the “Save” button to preserve all finished editings.



Priority Management

Up Down New Delete

ID	Priority	Status
<input checked="" type="checkbox"/> 1	P1	true
<input type="checkbox"/> 2	P2	true
<input type="checkbox"/> 3	P3 ✓	true
<input type="checkbox"/> 4	P4	false
<input type="checkbox"/> 5	P5	true
<input type="checkbox"/> 6	P6	true
<input type="checkbox"/> 7	P7	true

Save Cancel

2.1.5 Link the Customized Field and Others to a Type for each Project

Set up with following steps when you need to set the type, customer field and issue for each project:

① Issue Setting Management

Set up types and custom fields according to the procedures above. Please notice that settings for each item here are for the whole system, which will not be reflected on the project.
(Refer to steps 1~6 below for reflecting the setting to the project)

② Project Management> Project Setting> Issue Setting

Here the user can set up suitable items from items which already set up in the system.
(Refer to steps 7-15 below for reflecting the setting to the project)

③ (Option) Service Management> Settings for each service> Issue Template Setting

The default issue settings will be used with issue template when the project is created. The setting finished here will be reflected in projects created afterward.

(By setting the issue template, you can do steps 9-14 or sth equivalent for reflecting settings)

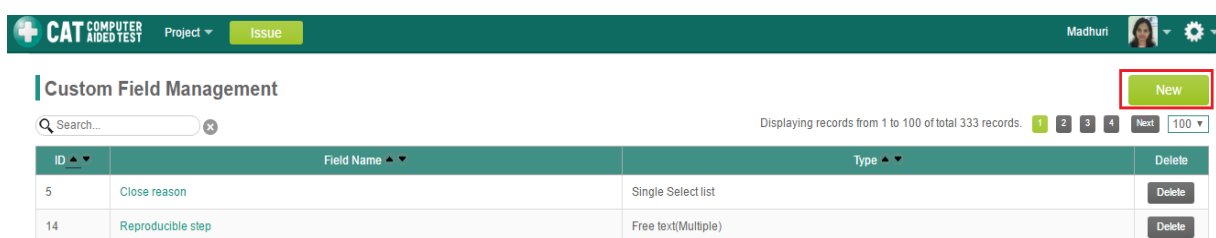
We will explain steps for reflecting settings to the project with an example of creating a custom field.

【Steps for reflecting the custom field to the project】

1. Open Issue Management and click custom field management.



2. Check if the item you'd like to add to the custom field management exists.



Press the “New” button if it doesn’t exist, and jump to step 4 if the item is already there.

3. Enter the custom field name, type, description, and press the save button.
Confirm the item to be added to the screen shown in step 2.

Custom Field Registration

Custom field: [Text Field]

Type: **Multiple Select list**

Description: [Text Field]

Save Cancel

4. Click the issue type management on the issue management screen returned from the custom filed registration screen.

Issue Management

Item Name	Overview
Issue Type Management	Manage the Issue Type to be used in the setting.
Custom Field Management	Manage the Custom Field to be used in the setting.
Status Management	Manage the Status to be used in the setting.
Common Fields Management	Manage the Common Fields to be used in the setting.

5. Select the type of issue you'd like to add to.

Issue Type Management

ID	Type	Description	Delete
1	Bug	製品の機能が正しく動かない問題を管理する種別です。	Delete
2	Request	製品の機能改善を管理する種別です。	Delete
3	Inquiry	製品に対する問い合わせを管理する種別です。	Delete

6. Click the check box of the item you'd like to use on the type edit screen and press the “save” button. Please jump to step 6 if the check box is on.

Type Edit

Type: Bug

Description: 製品の機能が正しく動かない問題を管理する種別です。

Select	Field Name	Type	Required
<input checked="" type="checkbox"/>	3 Priority	Single Select list	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4 Severity	Single Select list	<input type="checkbox"/>
<input checked="" type="checkbox"/>	5 Close reason	Single Select list	<input type="checkbox"/>
<input checked="" type="checkbox"/>	6 Developer	member	<input type="checkbox"/>
<input checked="" type="checkbox"/>	8 Feature	Feature	<input type="checkbox"/>

For selecting the field you need to check the check box.

※Set the “Required” check box on for making it “must have” item for the issue registration.

7. Go to Project Management and select the project you'd like to reflect to.

Project List

Search: 100 Test Project

Displaying records from 1 to 2

ID	Project Key	Project Name	Service Name	
922	TEST12	Test CAT Project 4.12.100	CAT Testing Project	Copy Delete
1203	SDSHJY	100 Test project	MAD-Service-14.100	Copy Delete

8. Click “Issue Setting”.

Project Management

List	Overview
Project Information	Move to project information edit screen
Project Detail Information	Move to Edit Project More Information screen.
Issue Setting	Move to Issue setting screen.
Build Version Management	Manage internal minor version on the development
Edit ExtBTS	Move to Edit Project ExtBts screen.
Edit Testing Environment	Move to Edit Environment screen.

Back To Project List

9. Click “Issue type and view setting”.

Issue Setting

List	Overview
Issue Type and View Setting	Manage the Issue Type and View
Status Setting	Manage the status
Import CSV	Manage the CSV import.
ETC	Manage etc setting

Back to Project Management

10. Select the issue type you’d like to add to.

Issue Type and View Setting

Select issue type and view setting you want to use in this Service.

Initial Type: Bug

Up Down

Select Type

ID	Type	Description
1	Bug	製品の機能が正しく動かない問題を管理する種別です。
2	Request	製品の機能改善を管理する種別です。
3	Inquiry	製品に対する問い合わせを管理する種別です。
214	testPS	

Save Cancel

11. Press the “Select Type” Button.

Issue Type and View Setting

Select issue type and view setting you want to use in this Service.

Initial Type: Bug

Up Down Select Type

ID	Type	Description
1	Bug	製品の機能が正しく動かない問題を管理する機能です。
2	Request	製品の機能改善を管理する機能です。
3	Inquiry	製品に対する問い合わせを管理する機能です。
214	testPS	

Save Cancel

12. Set on the field check box that you'd like to add and press the “OK” button.

Select type

Select types you want to use in this project.

ID	Type	Description
<input checked="" type="checkbox"/> 1	Bug	製品の機能が正しく動かない問題を管理する機能です。
<input checked="" type="checkbox"/> 2	Request	製品の機能改善を管理する機能です。
<input checked="" type="checkbox"/> 3	Inquiry	製品に対する問い合わせを管理する機能です。
<input checked="" type="checkbox"/> 214	testPS	
<input checked="" type="checkbox"/> 2	IT	
<input type="checkbox"/> 77	Accountant	
<input type="checkbox"/> 79	CAT	
<input type="checkbox"/> 80	CAT development	
<input type="checkbox"/> 81	HR	
<input type="checkbox"/> 82	Information system	
<input type="checkbox"/> 83	Internal Operation	
<input type="checkbox"/> 84	Invalid	
<input type="checkbox"/> 85	Issue	
<input type="checkbox"/> 87	Recruitment	
<input type="checkbox"/> 227	sanitate	description

OK Cancel

13. Return to the item display setting screen, the order of selected items can be adjusted by pressing “up” and “down” button. Then press “OK” button to save changes.

Issue Type and View Setting

Select issue type and view setting you want to use in this Service.

Initial Type: Bug

Up Down Select type

ID	Type	Description
1	Bug	製品の機能が正しく動かない問題を管理する機能です。
2	Request	製品の機能改善を管理する機能です。
3	Inquiry	製品に対する問い合わせを管理する機能です。
214	testPS	

Save Cancel

14. Press the “save” button on the “Issue Type and View Setting” screen.

Issue Type and View Setting

Select issue type and view setting you want to use in this Service.

Initial Type: Bug

Up Down Select Type

ID	Type	Description
1	Bug	製品の機能が正しく動かない問題を管理する機能です。
2	Request	製品の機能改善を管理する機能です。
3	Inquiry	製品に対する問い合わせを管理する機能です。
214	testPS	

Save Cancel

15. Confirm fields you'd like to add through pressing issue button.

Chapter 3: CAT Analysis

CAT is able to do the progress management as well as the analysis to diagnose the progress of each test suite, which requires proper service and project settings. This chapter illustrates analysis related settings. Please refer to contents that cover “Service Management” and “Project Management” after this chapter for knowing more about how to do the detailed setting.

CAT can make the following analysis based on the data of connected test suite.

[The place for enabling each item is in the setting that allows the user to register the test suite]

Where each item can be enabled						
#	Item Setting	Screen Setting	Test Management	Progress Management	Bug Management	Analysis
1	Feature	Service Management > Basic setting	Data Aggregation Filter	Data Aggregation Filter	Data Aggregation Filter	Bug analysis feature
2	Test Type	Service Management > Testing Basic setting	As Above	As Above	—	—
3	Custom Field	Service Management > Testing Basic setting	As Above	As Above	—	—
4	Execution Row environment	Project Management > Edit Testing Environment	—	—	Data Aggregation Filter	Bug analysis Environment

① Data Analysis for Test Management, Bug Management, and Progress Management.

It's possible to present common features as below on the screen that shows Grid.

A. Item Filter.

B. Item Subtotal (grouping).

※ When the number is presented in subtotal for each function.

Test Suites List

New

Recent Test

Download

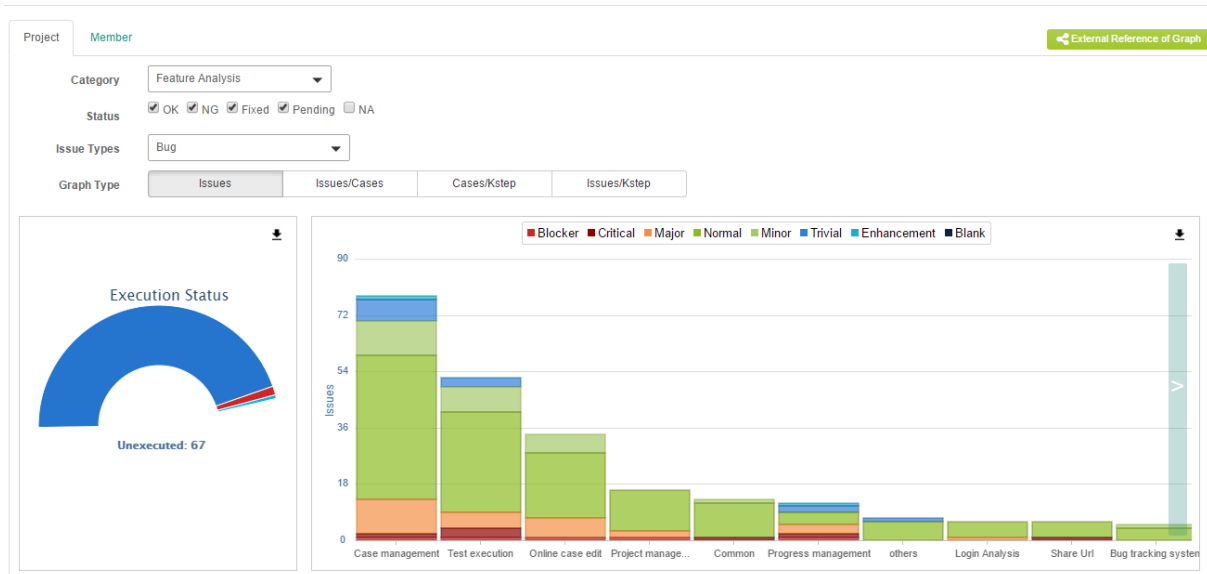
Trash Box

Search keyword

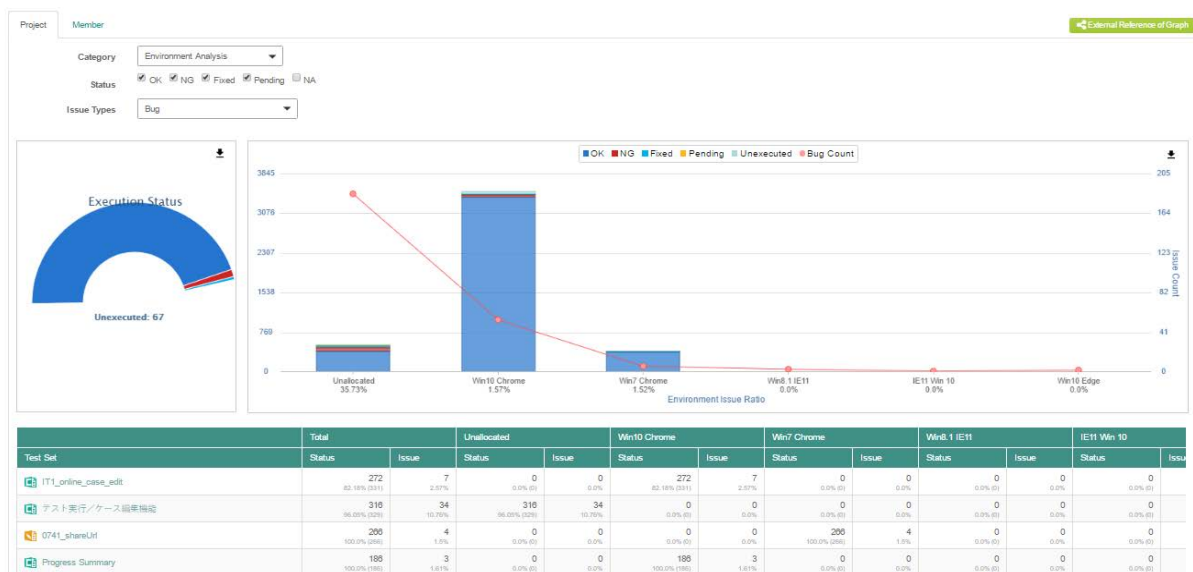
<input type="checkbox"/>	No ↑	Test Suite	Assignee	Case	Progress	Update Date
Feature: Service management						
<input type="checkbox"/>	31	IT2_Service_Issue_Setting	↑ Sort Ascending			
<input type="checkbox"/>	40	IT2_service_reg_edit_list	↓ Sort Descending	100	100%	2016-07-18 16:10:09
<input type="checkbox"/>	48	IT2_service_header mgmt	Columns	76	100%	2016-07-20 15:28:29
			Group by this field	96	100%	2016-07-19 22:23:32
			Show in groups	272		
			Filters			
Feature: Project management						
<input type="checkbox"/>	1	0741_graphMail		58	100%	2016-07-25 20:59:25
<input type="checkbox"/>	16	Improve_team_maintenance	Vrushali Gavan...	94	100%	2016-07-13 22:45:10
<input type="checkbox"/>	19	Graph mail feature	Madhuri	43	100%	2016-07-11 14:54:05
<input type="checkbox"/>	29	IT2_Project_Issue_setting	Dattatray	155	100%	2016-07-21 20:16:35
<input type="checkbox"/>	30	IT2_Project_Reg_edit_list	kalyan kadale	158	100%	2016-07-18 13:36:20
<input type="checkbox"/>	46	IT2_Leave_setting	kalyan kadale	73	100%	2016-07-19 15:35:57
	Total	(6 Items)		581		

② Issue Analysis.

※ Issue - Feature Analysis



※ Issue- Environment Analysis



3.1 Link the Feature, Testing Type and Custom Field to a Test Suit

It's possible to connect and assign the feature(※), test type(※) and custom field to a test suite when

creating it on the test management screen.

※ Please refer to [4.1 Create a new service] since defining the service setting in advance is required.

[The way to set up - Feature, Test Category and Custom Field]

1. Select the test suite and press the “Property Setting” button on the test specification registration screen or test suites list screen.

Test Specification Registration

Upload Column Setting **Property Setting** Attachment

	Test suite	Status	Feature	Cases	Cols	Action
<input checked="" type="checkbox"/>	▼ UserManagement	New	-- No Selected --	26	-	Delete
<input type="checkbox"/>	Sheet1	New	-	26	7 (1)	Delete

Test Suites List New Recent Test Edit Case Download Trash Box ETC Search keyword

	No ↑	Test Suite	Assignee	Feature	Case	Progress	Version
<input type="checkbox"/>	2	www	Madhuri		8	75	
<input type="checkbox"/>	3	EmptyTestset1			14	10	
<input type="checkbox"/>	4	testsute1234			32	12	
<input checked="" type="checkbox"/>	5	CSV1234			197	0	
<input type="checkbox"/>	6	download-error-testset		BTS	1	10	

Menu items: Rename, Copy, Delete, Unlock, Edit Sheet, Attachment, Change history, **Property**

2. Register settings for each item by pressing the “Update” button.

Property

Basic

Test specification name: IT2_Service_Issue_Setting

Feature: Service management

Testing type: Integration testing

Custom field

Add

Custom field	Value
TestExeCategory	India

Update Cancel

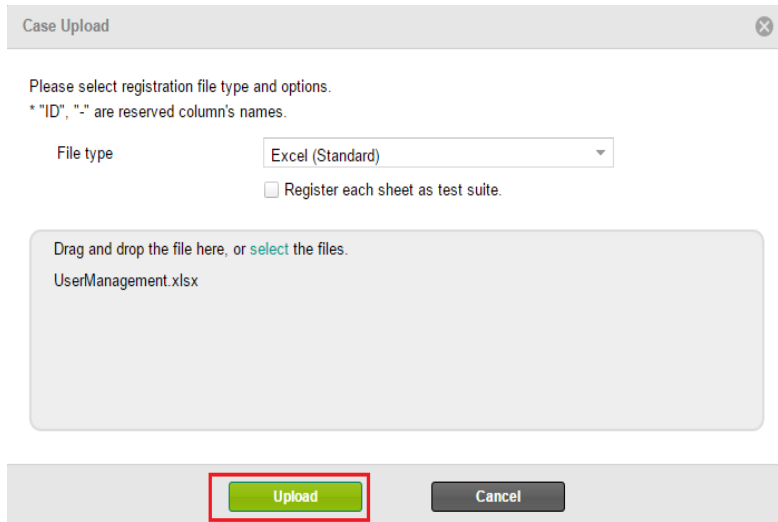
3.2 Connect a Test Environment to the Execution Column

The user can understand the situation about which environment that the problems occur by connecting the environment to the test execution column. Please refer to setting steps below.

- ① Register the test environment in the project when registering the test environment 5.5.

- ② Set up the test environment in the execution column on test case registration/edit screen.
When a type is with the execution column, it's possible to select one of test environments registered in step 1 by clicking the combo box on the left side.

1. Upload the New Test Suite.



Case Upload

Please select registration file type and options.
* "ID", "-" are reserved column's names.

File type: Excel (Standard)

☐ Register each sheet as test suite.

Drag and drop the file here, or [select](#) the files.

UserManagement.xlsx

Upload Cancel

2. Press the “Column Setting” button on the Test Specification Registration screen.

Test Specification Registration							
Upload Column Setting Property Setting Attachment							
<input type="checkbox"/>	Test suite	Status	Feature	Cases	Cols	Action	
<input type="checkbox"/>	▼ UserManagement	New	-- No Selected --	26	-	Delete	
<input checked="" type="checkbox"/>	Sheet1	New	-	26	7 (1)	Delete	

3. Click a test suite and select the test environment in the Test env. drop-down list.

Column Settings							
Test set column setting. Click Add button to add new column. At least one result column is required.							
Add Delete							
<input type="checkbox"/>	No	Column name	Type	Test env.			
	-	ID					
<input type="checkbox"/>	1	Test Item	<input checked="" type="radio"/> Not editable label <input type="radio"/> Editable label	<input type="radio"/> Execution result	-		
<input type="checkbox"/>	2	Test case Description	<input type="radio"/> Not editable label <input checked="" type="radio"/> Editable label	<input type="radio"/> Execution result	-		
<input type="checkbox"/>	3	Precondition	<input type="radio"/> Not editable label <input checked="" type="radio"/> Editable label	<input type="radio"/> Execution result	-		
<input type="checkbox"/>	4	Input Value	<input type="radio"/> Not editable label <input checked="" type="radio"/> Editable label	<input type="radio"/> Execution result	-		
<input type="checkbox"/>	5	Expected Result	<input type="radio"/> Not editable label <input checked="" type="radio"/> Editable label	<input type="radio"/> Execution result	-		
<input checked="" type="checkbox"/>	6	Result	<input type="radio"/> Not editable label <input type="radio"/> Editable label	<input checked="" type="radio"/> Execution result	Win10 Chrome[Window...]		
<input type="checkbox"/>	7	Remark	<input checked="" type="radio"/> Not editable label <input type="radio"/> Editable label	<input type="radio"/> Execution result	-		

3.3 Link the Feature and Environment to an Iuuse

When there are features and environments connecting to a test suite, these settings will automatically utilize when registering an issue from the test execution column and it also applies with external BTS.

It is also possible to set up manually after registering the issue.

3.4 Register Function Steps to each Function

Enter the number of implemented code lines.

- ① Display the project management screen and click “Project detail information”.

Project Management

List	
Project Information	Move to project information edit screen
Project Detail Information	Move to Edit Project More Information screen.
Issue Setting	Move to Issue setting screen.
Build Version Management	Manage internal minor version on the development
Edit ExtBTS	Move to Edit Project ExtBts screen.
Edit Testing Environment	Move to Edit Environment screen.

- ② We can view all functions and enter the number of effective steps in the of “Function Steps”.

Function Steps	Bug Management	<input type="text"/>	Steps (9-digit integer)
	Case Management	<input type="text"/>	Steps (9-digit integer)
	Progress Management	<input type="text"/>	Steps (9-digit integer)

※ Half-width character is required for this field so please remember to turn off switch off Japanese input (IME) while entering.

- ③ Press the “register” button to save all changes.

Those necessary preparations for the analysis would be ready after above steps.

Chapter 4: Service Management

This chapter shows steps for creating a new service. As for service editing, please refer to [2. Service editing] in [4. Project Management Settings].

4.1 Create a New Service

Please do following operations for creating a new service.

- (1) Click the Service Management on the drop-down menu shown by mousing over the setting icon.



- (2) Press the “New Registration” button on the service list screen.



- (3) Press the “Register” button after the entering. In the following figure, the new row for the feature appears pressing “+” button.

[Descriptions for each item]

Item	Description
Service Name	Enter the service name. ※ Following characters cannot be used as the service name. "*" :" <>?;, + = \$% & } "
Comment	Enter comments on the service management screen.
Feature	Enter the feature that comprised in the service and set up its test suite's property. It's possible to do the project quality analysis after the setting up, viewing the number of issues per feature and the issue density corresponding to the test case. ※ Press '+' button to add the input field.

- (4) Following message will appear after the registration, please press the “Back to Service List” button to go back to the service list screen. For editing the issue template, please refer to [2.2 setting the issue's template].

Service registration completed

Service registration has been completed.
Please continue service setting by clicking Back button if you want to create Bug tracking system's template.

Back to Service List

4.2 Setting the Service

There are many different settings including in the menu below.

- Service Management
- Testing Basic Management
- Header Template Management
- Version Setting
- Issue Template Setting
- Slack Integration Setting
- External Reference URL Management Setting

We will illustrate the way to show the service menu first.

[The way to show the service menu]

- (1) Click the service you'd like to edit on the service list.

Service List

New Registration

Search...

Displaying records from 1 to 22 of total 22 records. 100

ID	Service Name	Comment	Creator	Modified Date	Delete
1	CAT Development	This is for CAT Development and Support		2017-04-13 10:12:13	Delete

- (2) Here we have the service management screen in detail, please refer to below test suite basic settings (as for settings for slack connection, please refer to [7.7 Setting the Slack connection])

Service management	
List	Description
Service Management	Move to service information edit screen
Testing Basic Setting	Manage custom field and other settings related to testing feature.
Header Template Management	Move to Edit Header Template screen.
Version Setting	Manage the version to be used in the service.
Issue Template Setting	Manage the issue template setting.
Slack Integration Setting	Move to Edit Slack Integration Setting screen
External Reference URL Management Setting	Manage External Reference URL. Set up URL to refer CAT data externally.

Back to Service List

4.2.1 Basic Test Settings

It's possible to set up the test progress item (including NG or not), the category of the test suite property (testing type and custom field) in the project of a service.

After a service is created, please edit these items necessary even it's now in the way of process editing.

- (1) Click the “Testing Basic Setting” on the service management screen.

Service management	
List	Description
Service Management	Move to service information edit screen
Testing Basic Setting	Manage custom field and other settings related to testing feature.
Header Template Management	Move to Edit Header Template screen.
Version Setting	Manage the version to be used in the service.
Issue Template Setting	Manage the issue template setting.
Slack Integration Setting	Move to Edit Slack Integration Setting screen
External Reference URL Management Setting	Manage External Reference URL. Set up URL to refer CAT data externally.

Back to Service List

(2) Set up each item on the testing basic setting screen.

Testing Basic Setting
Below are the basic settings for Testing feature.

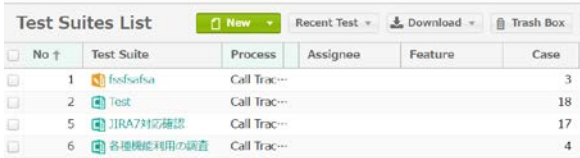
Test Status Setting	<p>The below setting is applied to all the features.</p> <p><input checked="" type="checkbox"/> Consider NG as Testing Completed</p>
Testing Type	<p>+</p> <p>Regression testing <input type="text"/></p> <p>Smoke testing <input type="text"/></p> <p>Integration testing <input type="text"/></p> <p>System testing <input type="text"/></p> <p>Performance testing <input type="text"/></p> <p>Big bang testing <input type="text"/></p> <p>Release testing <input type="text"/></p> <p>Acceptance testing <input type="text"/></p> <p>* Press + button in order to decide the input.</p>

Custom Field
Create the custom field for test specification. It is possible to select them on header management screen.

Field	Option	Type	Delete
テスト分類	+ 画面系 <input type="text"/> 機能系 <input type="text"/> バッチ系 <input type="text"/>	DropDown	<input type="text"/>
設計担当者		Free Input	<input type="text"/>
実装担当者		Free Input	<input type="text"/>

[Explanations for each item]

Item	Description
Test Status Setting	If you click the item “Count NG as the executed testing case”, it’s possible to set up whether to count NG cases into those executed on each screen.
Testing Type	<p>The testing type can be registered in the project property setting. On test suites list screen shown after the testing type setting is finished, the user can view the test suites list with functions such as the filter and the grouping.</p> <ul style="list-style-type: none"> Test Management > Test Suites List Progress Detail > Progress TestCase Detail (tab) > Test Suites List <p>※ Press the “+” button to add the input column</p>
Custom Field	<p>It’s possible to define the field that can be set up in the property of a test suite. Show the test suites with the filter and grouping on the next screen.</p> <ul style="list-style-type: none"> Test Management > Test Suites List Progress Detail > Progress TestCase Detail (tab) > Test Suites List <p>Selecting the tab in the drop-down list or inputting is possible. For those selected from the drop-down list, please enter the option name.</p> <p>※ Press the “+” button to add the column for the item name, option name or tab for inputting data.</p>

	<p>By setting the custom field in the test suite to mark the review status (such as not review, reviewing and review finished), the user can utilize these settings on each screen.</p> <p>[Test Management] > Picture of the test suites list screen</p> 
--	--

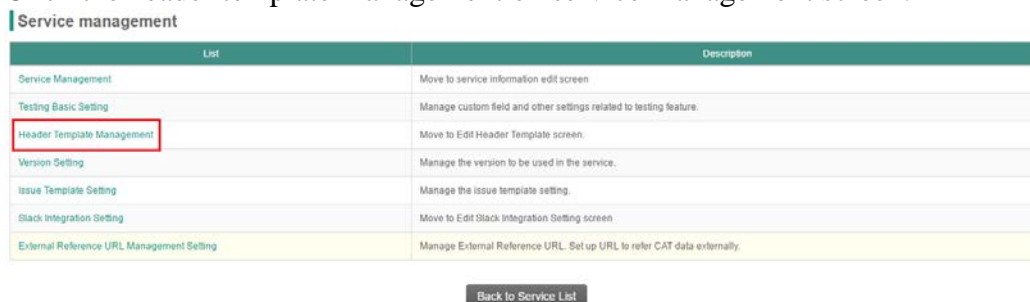
[Those functions and screens that reflect the setting of “take NG as a finished testing case”]

Function & Screen	Location	Affected Items
Project Top	Summary	Executed, overall progress, scheduled progress, today's progress and expected cases to finish.
Project Top	Test status	Executed.
Test Management	Test Suites List	Progress.
Test Execution	Progress Confirmation	Execution status.
Progress Summary	Graph, table	Executed, Unexecuted, Progress rate.
Progress Detail	Table	Unexecuted, progress rate
Project Mail	-	Executed, overall progress, scheduled progress, today's progress and expected cases to finish.

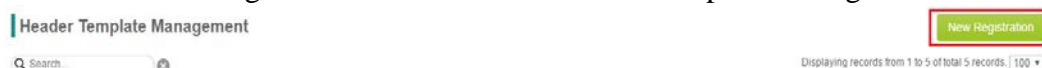
4.2.2 Header Template Settings

This chapter illustrates the way to make the header template for the test suite header. The header template can be utilized when creating the new test suite if it was saved in advance.

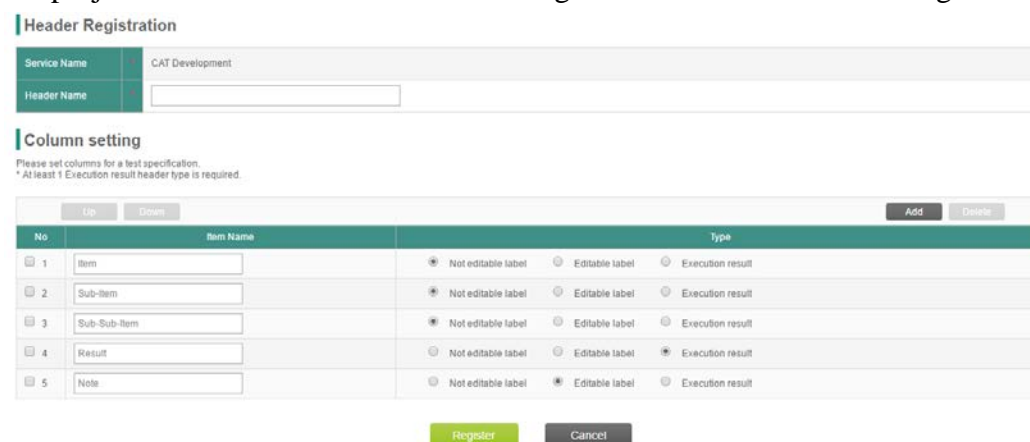
- (1) Click the header template management on service management screen.



- (2) Press the “New Registration” button on the header template management screen.



- (3) By setting up the header template for test suites, it can be used when creating the test suite for the project under the service. Press the “Register” button to save all changes to the setting.



Item	Description
Header Name	Input the name of the header template.
Custom Field	By selecting the custom field added when registering services, it would be possible to classify the test suite.
Display Column Settings	<p>The user can select the header and type of the test suite.</p> <p>There are three types available below:</p> <ul style="list-style-type: none"> ● Non-editable label: Input the test case description which is non-editable on the test execution screen. ● Editable label: Input the test case description which is editable on the test execution screen. ● Execution result: Input the execution result of the test case.

4.2.3 Version Settings

By registering the version of the product or service to be developed in advance, the user can utilize it while managing projects or tasks. This section illustrates the way to set up a service version.

- (1) Click "Version Setting" on the service management screen.

Service management

List	Description
Service Management	Move to service information edit screen
Testing Basic Setting	Manage custom field and other settings related to testing feature.
Header Template Management	Move to Edit Header Template screen.
Version Setting	Manage the version to be used in the service.
Issue Template Setting	Manage the issue template setting.
Slack Integration Setting	Move to Edit Slack Integration Setting screen
External Reference URL Management Setting	Manage External Reference URL. Set up URL to refer CAT data externally.

[Back to Service List](#)

- (2) Enter the version & description and press the “Add” button to add a new version. The version registered here can be shown when registering an issue while it is not under projects of current service. Besides, It’s possible to connect the version to the process on the project setting screen (will refer it later) and do the issue registration with it as the initial value.

Version Setting

Version	Description	Action
<input type="text" value="Version"/>	<input type="text" value="Optional"/>	Add

- (3) Change display order.

It is possible to change the version display order on the version setting screen by drag and draw the row to a different position in the list. Besides, the “delete” option shown by pressing the dot button can be used to delete the version.

When you finish all editing, press the OK button and confirm all revisions.

Version Setting

Version	Description	Action
<input type="text" value="Version"/>	<input type="text" value="Optional"/>	Add
1 4.14.108		⋮
2 未定	まだ対応予定が立っていない課題	⋮
3 4.15.005	ダウンロード版リリースバージョン	⋮

4.3 Issue Template Settings

This section illustrates the way to create an issue template. The issue template will be automatically imported and used as the initial value when creating a project, which will not affect the existing issue settings.

[Show the Menu of the Issue Template]

(1) Click a service you'd like to edit in the service list.

Service List New Registration

Search... × Displaying records from 1 to 100 of total 245 records. 1 2 3 Next 100 ▼

ID ▲ ▼	Service Name ▲ ▼	Comment	Creator ▲ ▼	Modified Date	Delete
1	CAT Developments	コメント		2017-03-27 17:20:55	Delete
2	Demo Service	顧客デモ用 到利用 する		2017-04-27 19:59:04	Delete
6	test selenium project1	test1		2017-01-24 18:35:27	Delete

(2) Click “Issue Template Setting” in the list.

Service management

List	Description
Service Management	Move to service information edit screen
Testing Basic Setting	Manage custom field and other settings related to testing feature.
Header Template Management	Move to Edit Header Template screen.
Version Setting	Manage the version to be used in the service.
Issue Template Setting	Manage the issue template setting.
Slack Integration Setting	Move to Edit Slack Integration Setting screen
External Reference URL Management Setting	Manage External Reference URL. Set up URL to refer CAT data externally.

[Back to Service List](#)

(3) Issue template setting screen appears.

Issue Template Setting

Menu	Overview
Issue Type and View Setting	Manage the Issue Type and View
Status Setting	Manage the status
ETC	Manage etc setting

[Back to Service management](#)

Following sections illustrate the setting of the type, field, status, and others (ETC).

4.3.1 Settings of the Issue Type and its Fields to Display

This section illustrates the way to set up the type and fields to display. The type, field and display order are settable in the project. Besides, the user can create a template that imports some values as the initial setting for creating the project.

※ Those initial values are editable when setting the project.

- (1) Select the Issue type and view setting.

Issue Template Setting

Menu	Overview
Issue Type and View Setting	Manage the Issue Type and View
Status Setting	Manage the status
ETC	Manage etc setting

- (2) Please press "select type" button after selecting the type to use.

Default issue type Bug

Up Down Select Type

ID	Type	Description
----	------	-------------

- (3) Set those types' check box in ID column on and press "OK" button to finish the type selection and return to the Issue Type and View Setting screen.

※ The user can disjoint the type by setting the checkbox off and press the OK button.

Select type

Select types you want to use in this project

ID	Type	Description
<input checked="" type="checkbox"/> 1	Bug	製品の機能が正しく動かない問題を管理する種別です。
<input checked="" type="checkbox"/> 2	Request	製品の機能改善を管理する種別です。
<input checked="" type="checkbox"/> 3	Inquiry	製品に対する問い合わせを管理する種別です。

OK Cancel

- (4) Next, set up fields to display for selected types by clicking the type title on the Issue Type and View Setting screen.

Issue Type and View Setting

Select issue type and view setting you want to use in this Service.

Default issue type Bug

Up Down Select Type

ID	Type	Description
<input type="checkbox"/> 1	Bug	製品の機能が正しく動かない問題を管理する種別です。
<input type="checkbox"/> 2	Request	製品の機能改善を管理する種別です。
<input type="checkbox"/> 3	inquiry	製品に対する問い合わせを管理する種別です。

- (5) Setting the field display/hide and press "Select Type" button.

Issue Type and View Setting

Select issue type and view setting you want to use in this Service.

Default issue type Bug

Up Down Select Type

- (6) Select the custom field and press the OK button.
- Summary and status field are required which the user can not hide.
 - The user can unselect the field by setting its check box off.

Service fields setting
Select custom fields which you want to use in this type.
Changing issue type : Bug

Up Down Select field

ID	Custom field	Type	Description
<input type="checkbox"/> 13	Description	Free text(Multiple)	課題の内容を記載します。その他設定より書式を定義可能です。
<input type="checkbox"/> 14	Reproducible step	Free text(Multiple)	課題発生時の操作手順を記載します。
<input type="checkbox"/> 16	Environment	environment	課題の発生環境を記載します。
<input type="checkbox"/> 36	Attachment	Attachment	課題に紐づくファイルを管理します。
<input type="checkbox"/> 1	Status	status	ステータスを記載します。
<input type="checkbox"/> 3	Priority	Single Select list	優先度を記載します。
<input type="checkbox"/> 4	Severity	Single Select list	重要度を記載します。
<input type="checkbox"/> 17	Assignee	member	担当者より記載します。
<input type="checkbox"/> 6	Developer	member	開発担当者より記載します。
<input type="checkbox"/> 21	Reporter	member	課題の報告者です。
<input type="checkbox"/> 11	Due date	date picker	時期を記載します。
<input type="checkbox"/> 8	Feature	Feature	課題が発生した機能を記載します。
<input type="checkbox"/> 25	Occurred version	Version	課題が発生したバージョンを記載します。
<input type="checkbox"/> 26	Release version	Version	課題を修正したバージョンを記載します。
<input type="checkbox"/> 5	Close reason	Single Select list	課題のクローズ理由より記載します。

OK Cancel

- (7) Settings of issue type's initial value and its display order will be displayed when registering an issue.

[Issue Type's Initial Value]

Select the type to display from the top-down menu of type's initial value.

[Display Order Setting]

Set the type's check box on to make it moveable so that its position can be rearranged by pressing the “Up” and “Down” button.

Press the “Save” button to save the revision.

Issue Type and View Setting
Select issue type and view setting you want to use in this Service.

Default issue type: Bug

Up Down Select Type

ID	Type	Description
<input checked="" type="checkbox"/> 1	Bug	製品の機能が正しく動かない問題を管理する権限です。
<input type="checkbox"/> 2	Request	製品の機能改善を管理する権限です。
<input type="checkbox"/> 3	Inquiry	製品に対する問い合わせを管理する権限です。

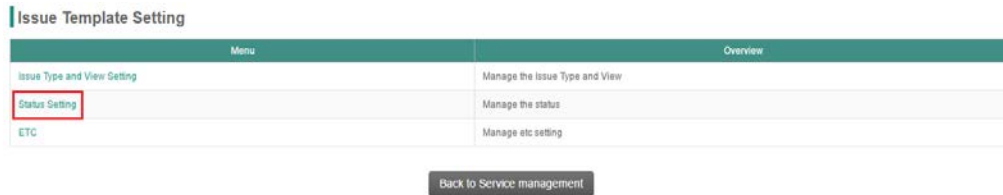
Save Cancel

4.3.2 Status Settings for the Issue Type

This section illustrates the way to set up the status corresponding to the issue type. Various kinds of status can be assigned to the type in the project and it's also possible to set up the template that automatically imports the initial value when creating the project.

※ Editing the initial value is allowed in the project.

- (1) Click “Status Setting”.



- (2) On the setting screen with the current status list in the center, the user can select the status to utilize and select/unselect the status shown by pressing the “Select Status” button.



- (3) Set those check boxes of the status you'd like to use on and those you don't need off.
 ※ Status "New" and "Completed" are required.



- (4) Select the status you would like to adjust the order by setting their check box on and move them up/down by pressing the “Up” and “Down” button. Please press “Save” button to keep all current settings.



4.3.3 Other Settings (ETC - Template Format Settings)

Those issue related settings are adjustable in “Other settings”.

- (1) Click “ETC” on the Issue Template Setting screen.

Issue Template Setting

Menu	Overview
Issue Type and View Setting	Manage the Issue Type and View
Status Setting	Manage the status
ETC	Manage etc setting

- (2) Setting the template wording is possible on the ETC screen, which the user can utilize as the summary format when registering an issue. Select an issue type you would like to edit and make a template for it.

Etc

Template setting

This template data is used for "Description" field when user create and edit issue

Type	Bug
Template	<div></div>

Save Cancel

Press “Save” button to keep all current settings.

4.4 Share the External Graph

4.4.1 Enable the Graph Sharing

The user can share a progress graph URL that allows external viewing and analysis with those who didn't have a CAT system user account.

Only the user with administration authentication can share the graph when creating the project. After that, users with employee authentication can also share the graph with external URL.

- (1) Service Management > Click the service to edit > External Reference URL Management Setting and open the shared URL settings.
- (2) Set the checkbox on/off to enable/disable employee's authority to share the URL.

- (3) All employees related to the project will have the authority to share the graph after the enabling.
 ※ above-mentioned employees can refer to, edit and copy the existing URL on this screen.

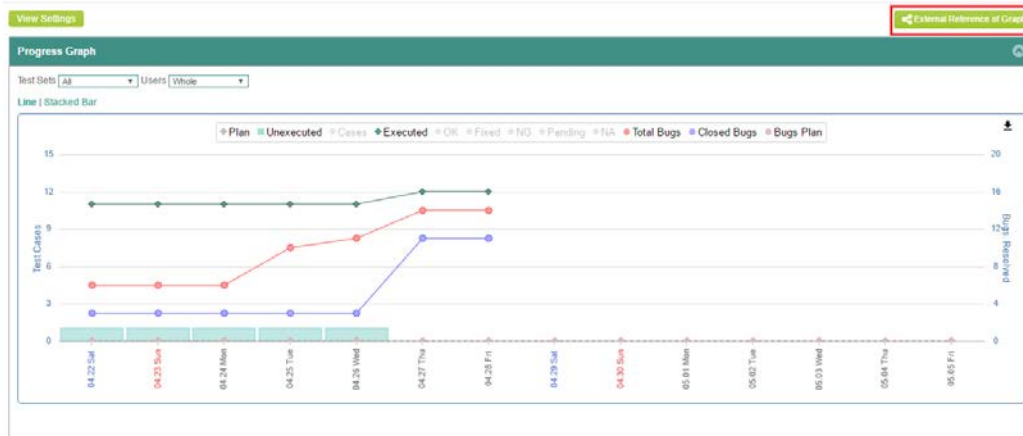
On the same screen, the user can check /delete all published shared external URL and its access log.

Each item

Button	Description
Employee URL Key	Grant the authentication to employee users that allows them to create a shared external URL.
New	Publish and share the URL of each graph.
Log	Check the URL access log of each graph.
Search	Search the summary of each URL.
Each Row	Contains editable description for the shared URL on the screen.
Copy	Copy to the clipboard of each URL.
Delete	Delete the shared URL and then it can not be referred from the outside anymore.

4.4.2 Share the Graph with Other System

(1) Press “External Reference of Graph” button.



(2) Do the necessary settings for the graph and press “Register” button.

The 'External Reference of Graph' dialog box is shown. It contains the following fields and options:

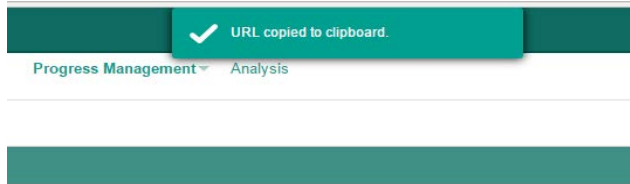
- Project: CAT Minor version up
- Process: 4.14.200 Development
- Graph Type: Progress Summary
- Date Range: Customize
- from: 2017/04/22 to: 2017/05/05
- Term Type: Daily
- Time Range: 09:00 Start Time, 18:00 End Time
- Executed Count: ☐ Include Pending, ☒ Include NA
- Bug Count: ☒ Show Only Bug
- Collection Option: ☐ Accumulate in "Date Range"
- Language: English
- Note: (empty text area)

At the bottom, there are two buttons: 'Register' (highlighted in green) and 'Cancel'.

(3) Copy the shared URL by pressing the copy button in the confirmation message displayed.

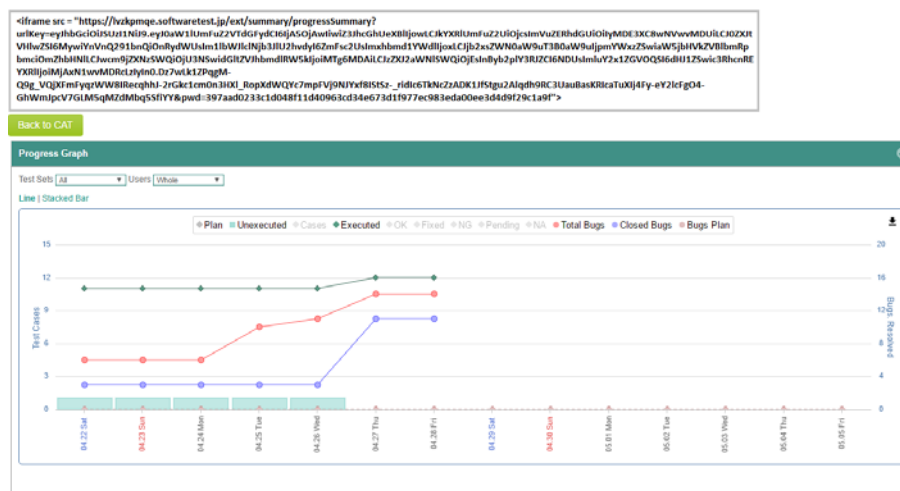
The confirmation message dialog box is shown. It contains the text: 'External Reference URL registered. Do you want to copy it to clipboard?'. Below the text are two buttons: 'Copy' (highlighted in green) and 'Cancel'. There is also a close button (X) in the bottom right corner.

- (4) The URL will be copied to the clipboard.



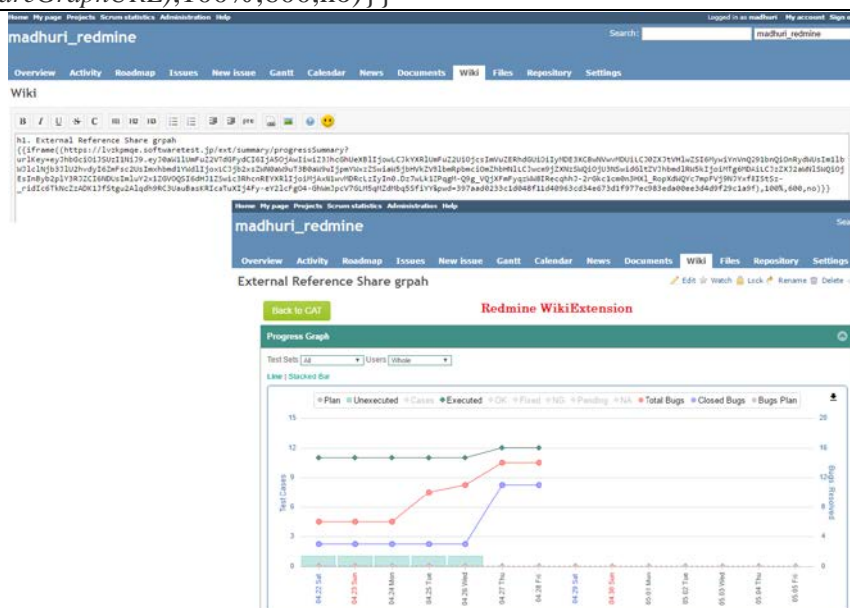
- (5) Atlassian Confluence etc. Extract the URL and paste it into the system for the utilization. Example (Atlassian Confluence): If you paste an Atlassian Confluence HTML macro with an URL like below to an iframe tag, then the graph will be presented in the display mode.

```
<iframe src="https://(ShareGraphURL)" noborder="0" width="100%" height="600" scrolling="no" seamless style="border:none;"></iframe>
```



Example (an example of Redmine WikiExtension): Next, paste the Redmine WikiExtension macro that contains various kinds of URL to the iframe and the graph will be presented.

```
{{iframe((ShareGraphURL),100%,600,no)}}
```



Chapter 5: Project Management

This section illustrates steps to create a project, which is operable either by the user with employee authentication or administrator. The service setting will be inherited when creating the project, and editing service setting will not affect existing projects.

5.1 Create a Project

Here are steps for creating a project. Please refer to next section “Create a Project” for steps of setting up a new project and “Copy a Project” for copying all the current settings to create a new project.

5.1.1 Create a Project

- (1) Choose Project Management from the tool button dropdown in the header.



- (2) Press the “New Registration” button.



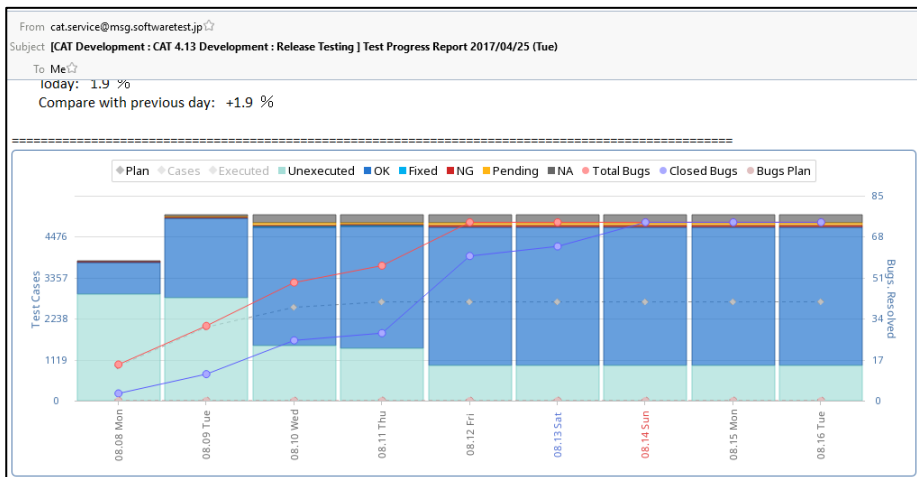
- (3) Move to the lower side of the screen after entering the basic project information.

Item	Description
Service Name	Select from the service list.
Project Name	Enter the project name.
Project Key	Enter the project identifier which uses issue ID prefix and etc.
Project Start~End day	Enter the start date and end date of the project.
Project Start~End time	Enter the start time and end time of the project.
Project Status	<p>There is 4 possible project status as below:</p> <ul style="list-style-type: none"> ● In Progress ● Observation ● Risk ● End <p>※ Please make the project status “End” after the completion, and the project will be archived soon.</p>
Process Name	<p>Please select the current project to add a new process, every project requires at least 1 process.</p> <p>※ The user can set up the version in the service setting. Please refer to "2.1.2. Setting a version" for more details.</p>
Attachment	<p>Enclose shared documents to the project.</p> <p>※ Up to 10 MB × 10 items registration allowed.</p>
Encoding	Select the encoding format for the test suite from Windows - 31J, UTF - 8 and Unicode.
Mail Setting	<p>BTS mail Setting: A notification e-mail will be sent to other team members and the reporter after the new setting or issue registration.</p> <p>Setting the issue through email: A notification e-mail will be sent to other team members and the reporter after the new test or issue registration.</p>
Project Report Mail Setting	<p>The user can set up the report mailing related settings that the language setting is required for automatic sending.</p> <p>Customizing other mail formats is possible ※</p> <p>Setting the team members mail addresses is possible by setting members' project status mail check box on.</p>

※ Customize the mail format.

The user can customize the report mailing content with following steps.

[An example of customized report mail]



I. Press the “Edit” button to start the customization.

Project Report Mail Setting

Send Type :

☒ Manual Mail
 ☐ Auto Mail

Setting Details

Language :

Japanes ▾

Items included for calculation :

☐ Pending
 ☐ NA

No. of Days for Test execution data to be displayed:

10

(Input Range:1 to 365)

No. of Future Days for Test Execution data in above term:

0

*All report mails are send by html type.

Mail format

Edit

Confirm

II. Please customize the transmission contents and check the tab for calling the help.

- (4) Press the “Add” button to set up the team information.

Edit Team Information

☐ Automatic Member Disable ☐ Use this order as another screen candidate order

Search...

Add

ID	User Name	Department Name	Designation	Status	End Date	Mail Setting			Edit	Delete
						Project	Bts	Test Issue		
10	Naoaki Mizuguchi			Disable	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
1	ugaji			Disable	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edit	Delete

- (5) Select the member for the team and press the “Add”/“Delete” button to register/delete the team member. Press the “Close” button after the registration is completed.
 ※ The user searchable with parameters like department, rank and work location.

Members (224)

Software Test
Dep. in Pune (1)
Accountant in
Shift India (1)
ソフトウェアエンジニア
トモガキ (25)
Software Dev
Dep. in Pune (16)
Software Dev
DMS in Tokyo (6)
Unallocated (177)

Show in user list format

Search...

Sort by User Name (ASC) Sort by Register date (DESC)

Displaying records from 1 to 130 of total 224 records. 1 2 3 Next 100

Members list showing profile pictures and names.

- (6) Please set all mail check boxes on e-mail addresses that you’d like to send the notification for each member’s e-mail setting.
 ※ Set project basic information setting’s mail notification check box on to enable the mail notifying or the mail will not be sent if the setting is off.

Edit Team Information

☐ Automatic Member Disable ☐ Use this order as another screen candidate order

Search...

Add

ID	User Name	Department Name	Designation	Status	End Date	Mail Setting			Edit	Delete
						Project	Bts	Test Issue		
1	ugaji			Disable	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
2	shiraji			Disable	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
3	Mitsuru Suga			Disable	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
6	Madhuri	Software Dev Dep. in Pune		Disable	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
10	Naoaki Mizuguchi			Disable	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit	Delete

Mail Setting

☒ Send BTS Mail ☒ Send Testing Issue Mail

- (7) Press the “Edit” button for each member to process the individual setting.
 ※ Set the checkbox “Automatic Member Disable” on to automatically make all members status invalid after the end of the project day.

Edit Team Information

☒ Automatic Member Disable ☐ Use this order as another screen candidate order

Search...

Add

ID	User Name	Department Name	Designation	Status	End Date	Mail Setting			Edit	Delete
						Project	Bts	Test Issue		
1	ugaji			Disable	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
2	shiraji			Disable	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
3	Mitsuru Suga			Disable	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
6	Madhuri	Software Dev Dep. in Pune		Disable	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
10	Naoaki Mizuguchi			Disable	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edit	Delete

※ Pressing the “Disable” button is also the way to invalid the user. Please notice that the user without administration authentication is not allowed to view the project.

(8) Enter the value for each item and press “OK” button to keep settings.

Edit Team Information

☐ Automatic Member Disable ☐ Use this order as another screen candidate order

Search... + Add

ID	User Name	Department Name	Designation	Status	End Date	Mail Setting			Edit	Delete
						Project	Bts	Test Issue		
10	Naoaki Mizuguchi			Disable	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edit	Delete
1	ugaji			Disable	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edit	Delete

User Name	<input type="text" value="Naoaki Mizuguchi"/>
Email Id	<input type="text" value="me-naoaki.mizuguchi@shiftinc.jp"/>
Team Admin	<input type="checkbox"/> Team Admin
Authority	<input checked="" type="checkbox"/> Allow to show Testing scores <input checked="" type="checkbox"/> Allow to set BTS status to 'END'
Designation	<input type="text"/>
Start Date	<input type="text"/>
End Date	<input type="text"/>

OK Cancel

Project	Description
Team Admin	Team administrators can set the following permissions for their project:
Authority	Viewing testing scores View testing results from the test perspective in the member tab on the analysis screen. End the BTS status. End the issue status.
Designation	Set up the role for the team member.
Start day	Enter the project start day.
End date	Enter the scheduled project end day.

(9) Press the “Register” button to finish on the project registration screen.

5.1.2 Copy a Project

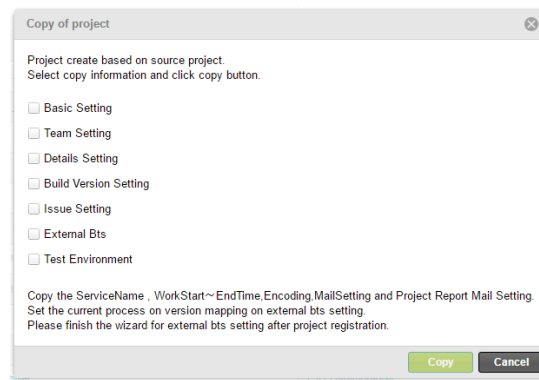
- (1) Select “Project Management” from the drop-down menu shown by pressing the tool icon.



- (2) Press the copy button of a project to copy the setting.



- (3) Select those settings you’d like to copy and press the copy button.



Project	Description
Basic Setting	Copy the service name, work time, encoding, mail setting and project report setting.
Team Setting	Copy the project team settings.
Details Setting	Copy the project settings in details.
Build Version Setting	Copy the project build version setting.
Issue Setting	Copy the project issue setting.
Test Environment	Copy the project setting of the test environment.
External BTS Setting	Copy the Service Name, WorkStart ~ EndTime, Encoding, MailSetting and Project Report Mail Setting. Set the current process on version mapping on external BTS setting. Please finish the wizard for external BTS setting after project registration.

- (4) The new project registration screen shows up after all selected settings are copied by pressing the copy button, in which the user can enter the required information and finish the registration. The external BTS wizard will pop up after copying the external BTS setting and please refer to “9. External BTS settings” for more details.

5.2 Issue Settings

This section illustrates the settings in the project.

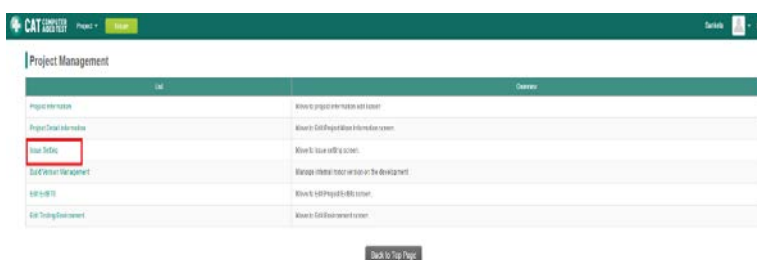
- (1) Select “Project Management” from the drop-down menu shown by pressing the tool icon.



- (2) On the Project List screen, select the project to adjust settings.

ID	Project Key	Project Name	Service Name	Copy	Delete
1	472	CAT 4.7.200 Testing	CAT Development	Copy	Delete

- (3) Click the issue setting in the menu on the project management screen.



Following settings are the same as the content in “2.2 Setting the issue template” in which contains the guide that the user can follow for setting the issue. The CSV import function will be illustrated in next section.

5.3 Import the Issue

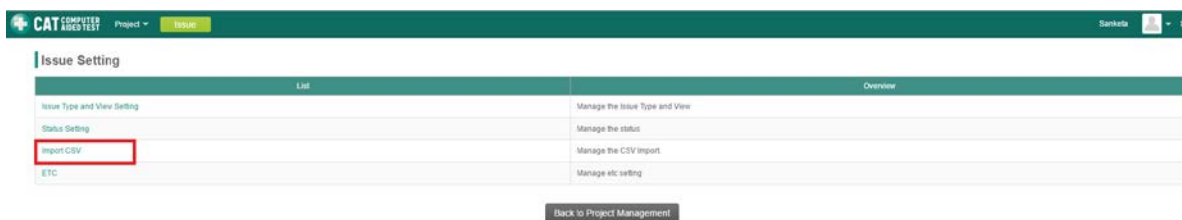
This section illustrates the way to import the issue.

- ※ Issue importing can't be executed when external BTS synchronous mode (Redmine/JIRA/Backlog) is active.

- (1) Click the issue setting on the project management screen of the project you'd like to import.

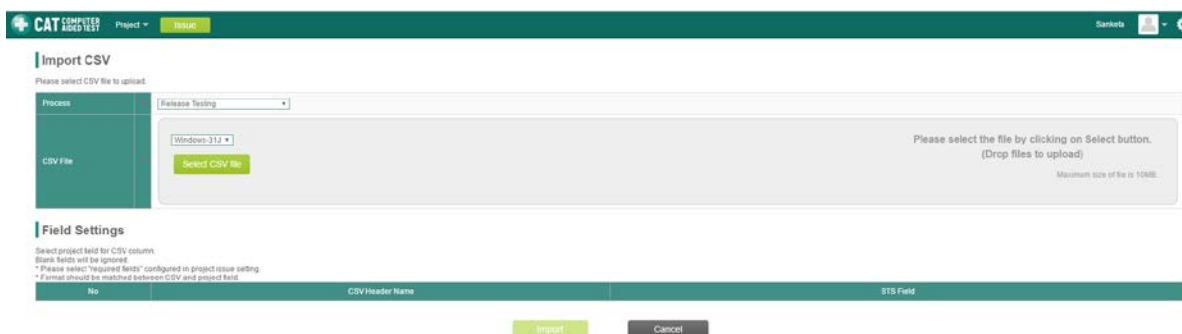


- (2) Click “Import CSV”.



- (3) Select a process and upload the CSV file.

※ In the uploaded file, the first column is the item name and columns after the second column is for setting each item's value. Please remember to keep item's name in the CSV file the same as issue field's name and refer to step 4 (next step) for automatic information matching.



- (4) Correlate each uploaded item with the project field information.
Please press the import button when matching is done.
- * Required items set in the project must be allocated.
 - * Field type choices and choices of uploaded items must match.

Import CSV

Please select CSV file to upload.

Process

pl

Windows-31J

ImportCSV.csv

Select CSV file

Please select the file by clicking on Select button.
(Drop files to upload)

Maximum size of file is 10MB.

Field Settings

Select project field for CSV column.
(Blank fields will be ignored)
* Please select "required fields" configured in project issue setting.
* Format should be matched between CSV and project field.

No	CSV Header Name	BTS Field
1	Title	Title
2	Type	Type
3	Status	Status
4	Priority	Priority
5	Severity	Severity

Import Cancel

When CSV import is completed, the following screen will be displayed.

CSV import completed without error.

Back to Menu Show BTS

5.4 Enter the Information in Detail

The user can add information such as man-hours and estimations to the project.

- (1) Select “Project Management” from the drop-down menu shown by pressing the tool icon.

CAT COMPUTER AIDED TEST Project Issue Sanketa

Search... Show All

Displaying records from

Project Key	Project Name	Process Name	Version	Status Name	Sync Status	Start Date
MIN	CAT Minor version up	4.14.200 Development	4.14.200	In Progress	-	2015/03/26

Service Management
Project Management
User Management
Issue Management
System Management

- (2) On the Project List screen, select the project to adjust settings.

ID	Project Key	Project Name	Service Name	Copy	Delete
1	472	CAT 4.7.200 Testing	CAT Development	Copy	Delete

(3) Click “Project Detail Information” on the project management screen.

Project Management

List	Overview
Project Information	Move to project information edit screen
Project Detail Information	Move to Edit Project More Information screen.
Issue Setting	Move to Issue setting screen.
Build Version Management	Manage internal minor version on the development
Edit ExIBTS	Move to Edit Project ExIBTs screen
Edit Testing Environment	Move to Edit Environment screen.

[Back To Project List](#)

(4) Enter detailed information and press the register button.

CAT COMPUTER BASED TEST Project - [Select] Start Date

Edit Other Information

Test Target	<input type="text"/>	Allows up to 40 characters (E.g. WEB, Mobile, Smartphone, accounting system)
System Type	<input type="text"/>	Allows up to 40 characters (E.g. J, Batch, etc)
Test Phase	<input type="text"/>	Allows up to 40 characters (E.g. Unit Testing, Integration Testing, Acceptance Testing)
Functionality Count	<input type="text"/>	0 - 9 (digit integer)
Screen Count	<input type="text"/>	0 - 9 (digit integer)
Master Case Count	<input type="text"/>	0 - 9 (digit integer)
Test Case Design Actual Effort	<input type="text"/>	Person-hour (0-digit integer)
Test Case Execution Actual Effort	<input type="text"/>	Person-hour (0-digit integer)
Estimated Amount	<input type="text"/>	yen (0-digit integer)
Actual Amount	<input type="text"/>	yen (0-digit integer)
Function Steps	<input type="text"/> イベント <input type="text"/> パトリ <input type="text"/> フロント <input type="text"/> DB <input type="text"/> Test	Steps (0-digit integer) Steps (0-digit integer) Steps (0-digit integer) Steps (0-digit integer) Steps (0-digit integer)

[Register](#) [Cancel](#)

Project	Description
Test Target	Enter the test target.
System Type	Enter the system type.
Test Phase	Enter the test phase.
Functionality Count	Enter the number of functions.
Screen Count	Enter the number of screens.
Master Case Count	Enter the number of master cases.
Test Case Design Actual Effort	Enter the actual design man-hour.
Test Case Execution Actual Effort	Enter the actual man-hours spent.
Estimated Amount	Enter the estimated amount.
Actual Amount	Enter the actual amount of the cost.
Function Steps	Enter the number of function steps for each function. It is used for density calculation in test analysis.

5.5 Register the Test Environment

The user can register the test environment for each project which is connectable with test suite's execution result column for checking and analyzing the progress.

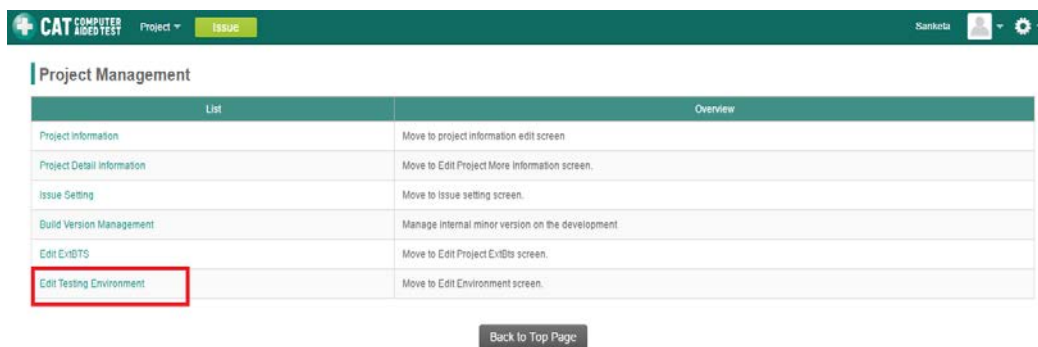
- (1) Select “Project Management” from the drop-down menu shown by pressing the tool icon.



- (2) On the Project List screen, select the project for configuring its BTS.

ID	Project Key	Project Name	Service Name	Copy	Delete
1	472	CAT 4.7.209 Testing	CAT Development	Copy	Delete

- (3) Click “Edit Testing Environment” on the project management screen.



- (4) Register OS and browser information at the bottom of the screen.

Testing Environment Setting

No ↑	Testing Environment	Types	OS	Browser	Status	Update Date
1	Win7 Chrome	PC	Windows 7	99	Enable	2016-04-02
2	Win8.1 Chrome	PC	Windows 8.1	110	Enable	2016-07-14
3	Win7 IE10	-	-	101	Enable	2016-04-02
4	Win8.1 IE11	-	-	100	Enable	2016-04-02
5	Win7 IE9	-	-	102	Enable	2016-04-02

OS Information

No ↑	OS name	OS Version	Service pack
661	Windows	7	
662	Windows	8.1	
663	Delete Test	Deleting This	
676	Windows	10	

Browser Information

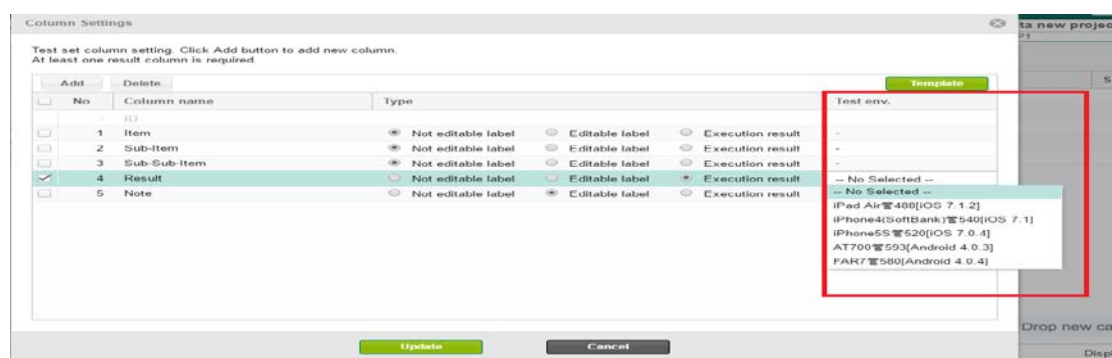
No ↑	Browser name	Browser Version
99	Chrome	latest
100	IE	11 latest
101	IE	10 latest
102	IE	9 latest
103	IE	8 latest

- (5) The user can register OS and browser information on the testing environment setting screen and press the “register” button at the bottom of the screen to keep all current settings.

Testing Environment Setting

No	Testing Environment	Types	OS	Browser	Status	Update Date
1	Win7 Chrome	PC	Windows 7	99	Enable	2016-04-02
2	Win8 1 Chrome	PC	Windows 8.1	110	Enable	2016-07-14
3	Win7 IE10	-	-	101	Enable	2016-04-02
4	Win8 1 IE11	-	-	100	Enable	2016-04-02
5	Win7 IE9	-	-	102	Enable	2016-04-02

- (6) The registered test environment is connectable to the execution result column when registering the test suite. For registering test suites, please refer to "2.1 Register the test suite" in "6. Test design".



- (7) The test environment setting is also connectable to the environment setting when registering an issue.

5.6 Build Versions Management

5.6.1 Register a Build Version

The build version, which's registration is required for the utilization in each project and can be processed with following steps.

- (1) Please finish settings in the following screen.
[Screen: Project Management > Build Version Management]

Project Management

List	Overview
Project Information	Move to project information edit screen
Project Detail Information	Move to Edit Project More Information screen.
Issue Setting	Move to Issue setting screen.
Build Version Management	Manage internal minor version on the development.
Edit ExtBTS	Move to Edit Project ExtBts screen.
Edit Testing Environment	Move to Edit Environment screen.

- (2) Set the checkbox of “Use Build Version Management” on.

- (3) Press the “Add” button on the right side column after entering the build version.

- (4) Press the “OK” button on the lower screen to finish the registration.

5.6.2 Set up a Build Version to a Test Suite

Please set up the build version in the test suite (refer to following steps) for using it when executing the test.

- (1) Test Management screen > Test Suites List, select the test suite and click the property in the ETC button drop-down list.

- (2) Select the build version on the project screen.

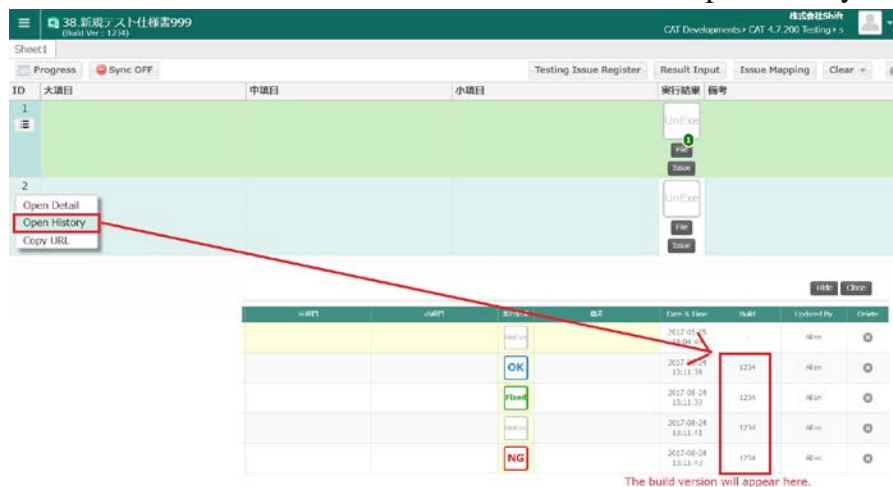
- (3) Press the “update” button to finish the setting.
- (4) The build version will appear in under the title of the test suite on the test execution screen.



The result registration will be connected with the build version, which is checkable in the “Open History”

[Open History of the test execution result]

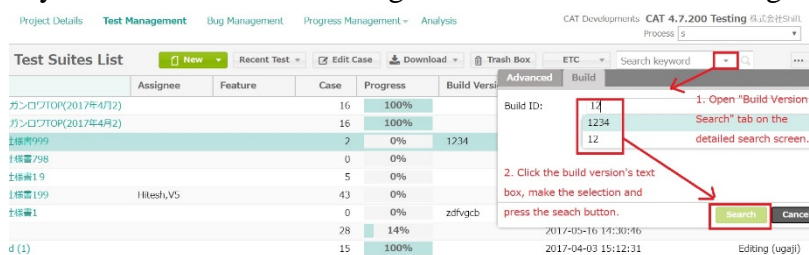
Screen: Test execution screen > Each case's menu > Open History



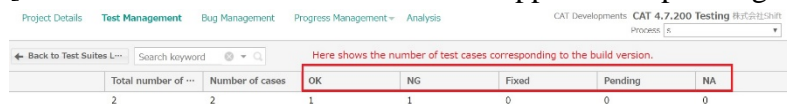
5.6.3 Filter or Search Results of Utilizing the Build Version

The build versions of the test suite are utilizable in following occasions:

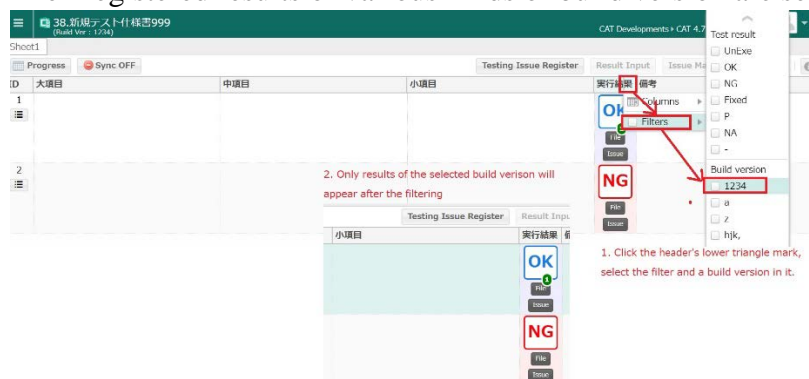
- (1) Test results with specific build version are searchable by searching the build version as the key words from the test management screen when executing the test.



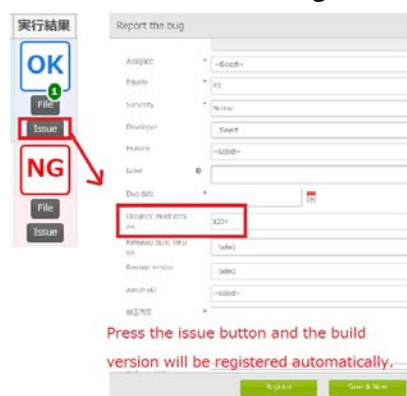
[The build version's search result will appear after pressing the search "button"]



- (2) Connect the build version with the test execution result on the test execution screen. Then registered results of various kinds of build version are searched to be shown.



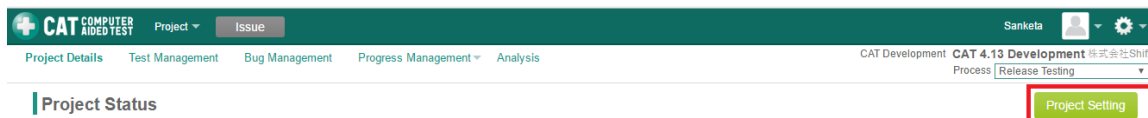
- (3) Register the build version to the issue reported on the test execution screen. Issue item has contained a build version. Build version will be registered when reporting an issue.



5.7 Edit the Project

The project is editable after its launch.

- (1) Display the project summary screen.
- (2) Press the project setting button at the top of the screen.

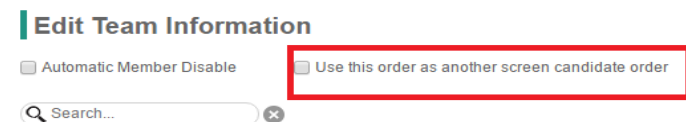


- (3) The project information setting will be presented.

5.7.1 Unify the Display Order of the Members List in the Project

The display order of the project status's team list and member list on the issue registration screen are adjustable after following steps.

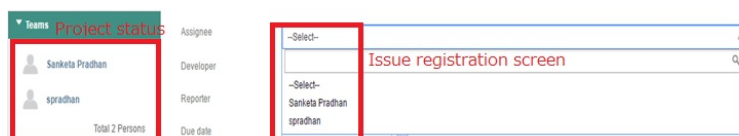
- (1) Open the project information setting screen in the project management.
- (2) Set the checkbox of “Use this order as another screen candidate order” on in edit team information section. Therefore, the following member list order will be applied to other screen's member list (like the member list on the issue registration screen).



- (3) The order of the member list can be adjusted by drag-and-drop.



- (4) Confirm the member list after setting the list order and pressing the register button at the bottom of the page.



Chapter 6: Test Plan and Execution Management

The user can enter the scheduled test cases and issue to manage the overall test project. The scheduled unit can be based on either the test suite or the process, which will be used to manage the scheduled number in the project. Scheduled issue number can be set up for each process also.

Section 6.1 is for the scheduled and actual records management of the test suite, 6.2 for the process and 6.4 for the issue management.

6.1 Enter the Scheduled Test Plan for each Test Suite

Enter the scheduled number for each test suite on the progress management screen and do the scheduled and actual records management.

※ Users with customer authentication are not allowed to enter the scheduled number.

The upper-left side of execution control target's cell shows a red mark that is clickable for checking the testing issue when there are registered impact area and start time.

2017/08						
/21	08/22	08/23	08/24	08/25	08/26	08/27
-	-	-				

Testing Issue
2 aaaa
0[H]

6.1.1 Enter Non-working Days for Members

The user can enter the non-working day manually in advance and those scheduled outside the non-working days automatically with following steps:

- (1) Press the non-work day input button on the progress detail screen.



- (2) Press the Add New button to create a new non-working day input line. Enter a non-working day and press the register button to finish.

Leave Setting

Leave List					
Add New			Delete	Clear Filter	Reset Column
No	Member	Type	Start Date	End Date	
<input type="checkbox"/>	1 Vrushali Gavande	Half Day	2015-01-14	2015-01-14	
<input checked="" type="checkbox"/>	2 Armol Sarwade	Full Day	2015-01-22	2015-01-22	

Project	Description
Member	Select a member or all members to set the non-working day.
Type	Select the type of non-working day. It can be a full day off, half day or full working day.
Start Date	Select a start date for the non-working period.
End Date	Select an end date for the non-working period.

Non-working days will be reflected in the "Progress Detail"'s "Progress Member Detail" screen. The cell background is gray for the Holiday/Full Day Off and brown for Half Day.

ID ↑	User	Prog...	Plan	Exec...	Remain ...	Start Date	Bugs	2017/05							
								05/01	05/02	05/03	05/04	05/05	05/06	05/07	05/08
-	⚠ TBA		0	0	0			-	-	-	-	-	-	-	-
8	Madhuri		0	0	0			-	-	-	-	-	-	-	-
285	Vrushali Ga...		0	2	0			-	-	-	-	-	-	-	-

6.1.2 Download/Import the Test Plan

This section illustrates the method of CSV download and import scheduled to be tested. In addition to importing the CSV file, the test plan can be entered automatically or manually. For details, please refer to "3.4.3. Auto Planning" and "3.4.4. Manual Test Plan".

(1) Download the CSV file of the scheduled test.

1. Select the test suite you want to download in the "Progress TestCase Detail" tab of "Progress Detail" screen.

Progress TestCase Detail			Progress Test Environment Detail		Progress Member Detail		
<input checked="" type="checkbox"/>	ID	Feature	TestSet	Assigned	Cases	Remain ...	Pro
<input checked="" type="checkbox"/>	1		 Empty Testset1	Madhuri,Vru...	5	3	

2. Open the dropdown list of the "Test Plan" button and click on the "Test Plan CSV Download" link. In addition, the user can download Test Plan CSV for "ALL" suites or for "Selected" suites.

Vrushali Gavande
VrushaNewService_4.14.100
Vrusha4.14.100 project
株式会社Shil
Process p1

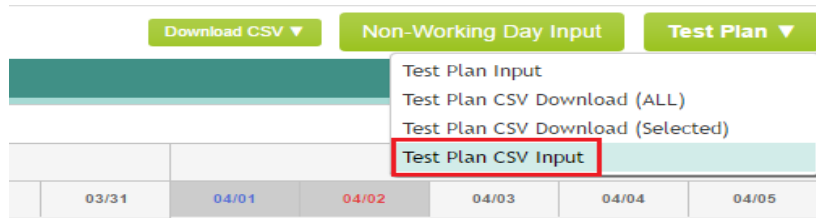
Download CSV ▼
Non-Working Day Input
Test Plan ▼

Test Plan Input
Test Plan CSV Download (ALL)
Test Plan CSV Download (Selected)
Test Plan CSV Input

04/30	05/01	05/02	05/03	05/04	05/05	05/06
-	-	-	-	-	-	-

(2) Test Plan CSV Input.

1. Select the test specification you want to download on the “Progress Test Case Detail” tab of “Progress Detail” screen. Open the dropdown list of the “Test Plan” button and click on the “Test Plan CSV Input” link.



2. Upload the CSV file either by selecting a test plan CSV file or by drag-and-drop. The CSV file must match the test plan CSV file format presented in the table below.



To edit and upload the downloaded Test Plan CSV, open the downloaded CSV file with Microsoft Excel and update the following items (items marked with *) and upload it.

* If you wish to assign more than one person to the same test suite, please copy the line with desired assignee names.

Test Plan CSV file format

Column Name	Type	Description
testset_id	Numerical value	It is test suite's ID which can be confirmed in the “No” column on the "Test Management" list screen.
testset_name	Text column	It is the name of the test suite, which is not required since it will be imported automatically based on the testset_id.
cases	Numerical value	It is the number of test cases which is not required since it will be imported automatically based on the testset_id.
priority	Numerical value	It is the priority of the test suite that ranges from 1 to 50.
speed	Numerical value	The time required for executing one test case (minute unit).
*user	Text column	The in charge of the test suite that recorded in CAT. The user will be recorded as TBA (to be assigned) if there is no in charge at this moment.
start_date	Date YYYY/MM/DD	It is the test start date for Test Plan which will be the process's start day if it's in a blank.
end_date	Date YYYY/MM/DD	It is the test end date for Test Plan which will be the process's end day if it's in a blank.
* To date	Numerical value	It is the planned number of days.

6.1.3 Enter the Test Plan Automatically

Steps for automatic test planning are as below:

- (1) Select at least 1 test suite in the progress TestCase Detail on the progress management screen and press the “test plan” button.



- (2) Enter following required items after the test suite’s scheduled input screen appears.

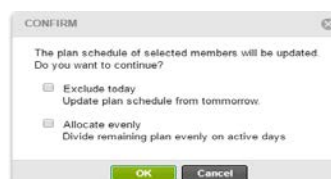
Planning											
Auto Planning Fix Past Plan Batch Input Expand All Collapse All Reset Column											
ID	TestSet	Assigned	Prior...	Speed	Cases	Remain ...	Start Date	End Date	Plan...	Exec...	
1	Empty Tes...	2 Persons	15	1.0	5	3	2017-03-01	2017-05-10	0	2	04/05 04/06 04/07 04/08
	Vrushali Gavande						2017-03-01	2017-05-10	0	2	
	Madhuri						2017-03-01	2017-05-10	0	0	

Parameter	Description
Assignee	Assign a person in charge to the test specification. It is necessary to assign at least one person in charge to the test specification.
Priority	The priority of each test specification is set up to 30. 30 (high priority) to 1 (low priority).
Speed	Enter the time required to execute one case of each test specification.
Start date/End date	Set the Start Date and End Date of each test specification.

- (3) Select the test specification for automatic input and press the “Auto Planning” button. The schedule number will be entered automatically on a fixed schedule. Finally, click on “Save” button and Click on “Done” button to finish.

Planning											
Auto Planning Fix Past Plan Batch Input Expand All Collapse All Reset Column											
ID	TestSet	Assigned	Prior...	Speed	Cases	Remain ...	Start Date	End Date	Plan...	Exec...	
1	Empty Tes...	2 Persons	15	1.0	5	3	2017-03-01	2017-05-10	0	2	04/05 04/06 04/07 04/08
	Vrushali Gavande						2017-03-01	2017-05-10	0	2	
	Madhuri						2017-03-01	2017-05-10	0	0	

The following confirmation items are displayed by Auto Planning.

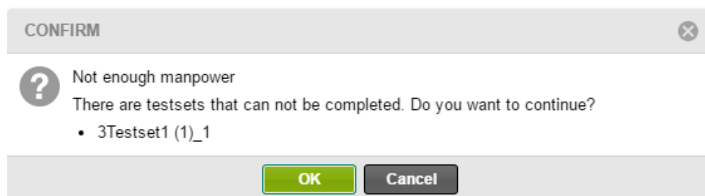


Items are as below.

Parameter	Description
Exclude today	Please enter the schedule from tomorrow (except Saturdays and Sundays) without including today as the input target.
Allocate evenly	Allocate the remaining cases evenly to the active days, which becomes effective when the rest active days are not enough corresponding to the rest is required work hours.

Please refer to "3.4.4. Enter the scheduled test cases manually" if you'd like to fine-tune the schedule.

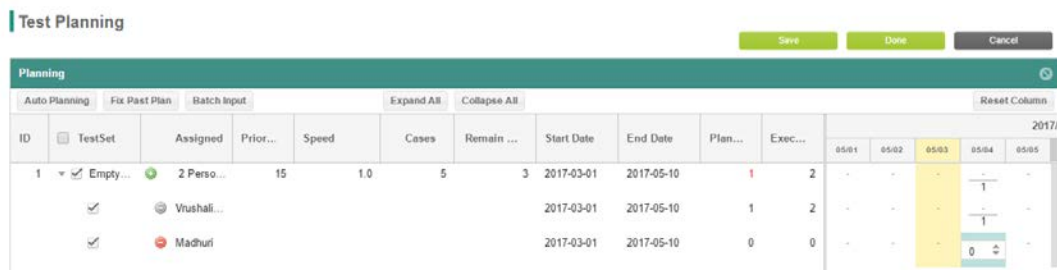
- ※ 1. The initial value of the working hours per day is settable in the project's work time setting.
- ※ 2. The following screen will show up if the work hours are not enough. Please press the ok button and assign the scheduled test cases for those not yet allocated and do the editing afterward.



6.1.4 Enter the Test Plan Manually

Steps for manual test planning are as below.

- (1) Select the test suite you'd like to download with its check box on in the "Progress TestCase Detail" tab on the "Progress Detail" screen. Click "Test Plan Input" in the drop-down list shown by pressing the Test Plan button on the upper-right side.
- (2) The user can enter the scheduled test cases number for the in charge by clicking the cell on the calendar on the right side. Press the save button to keep all current settings and done button to close the screen.



6.1.5 Check the Test Plan and Execution Records

The user can check the scheduled and actual records on the Progress Summary screen and Progress Detail screen. Please refer to "CAT User Manual -Basic-" for ways of table viewing.

Progress Table													
2017/03													
	03/26	03/27	03/28	03/29	03/30	03/31	04/01	04/02	04/03	04/04	04/05	04/06	04/07
Case Base													
Total Case Count	796	796	796	796	796	796	796	796	796	796	796	796	796
Executed Count (Cu...)	141	341	571	784	784	784	784	784	786	786	786	786	786
OK	139	325	544	757	757	757	757	757	758	758	758	758	758
Fixed	0	0	0	0	0	0	0	0	0	0	0	0	0
NG	0	13	15	15	15	15	15	15	15	15	15	15	15
Pending	6	9	15	12	12	12	12	12	13	13	13	13	13
NA	2	3	12	12	12	12	12	12	12	13	13	13	13
Executed Count (Su...)	141	200	230	213	0	0	0	0	2	0	0	0	0
Remaining Cases	655	455	225	12	12	12	12	12	10	10	10	10	10
Progress	17.7%	42.8%	71.7%	98.5%	98.5%	98.5%	98.5%	98.5%	98.7%	98.7%	98.7%	98.7%	98.7%
Plan (Cumulative)	200	400	600	796	796	796	796	796	796	796	796	796	796
Executed Vs Plan Diff	-59	-59	-29	-12	-12	-12	-12	-12	-10	-10	-10	-10	-10
Execution Count (Da...)	141	200	230	213	0	0	0	0	2	0	0	0	0
Progress (Daywise)	70.5%	100.0%	115.0%	108.7%	-	-	-	-	-	-	-	-	-
Remained Plan (Cu...)	596	396	196	0	0	0	0	0	0	0	0	0	0

It describes execution count as per plan and plan difference

6.1.6 Check the Issue Occurrence in the Test Plan

By forecasting the expected number of Issues/Bugs and registering them in advance, the planned number of Issues/Bugs will be displayed in the overall progress graph. The user can check the difference between the scheduled and actual failure records by the comparison.

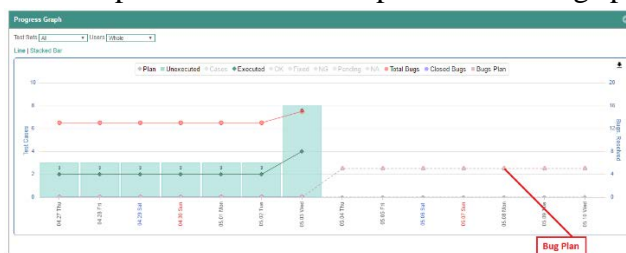
- (1) Press the bug in the drop-down list shown by pressing the “Plan Input” button” on the progress summary” screen.



- (2) Enter the forecasted issue numbers for each day and press the save button to keep all current settings. Then press the done button or the cancel button to close the screen.



- (3) Those inputted value will be presented as bugs plan in the progress graph.



6.2 Enter the Scheduled Test Plan for the Process

6.1 refers to test suite's scheduled and actual records management. Here are steps for entering the rough scheduled test case number and check the graph when the test cases are not designed and registered yet.

6.2.1 Change the Displayed Test Plan by Switching the Process

Switch the value displayed as the planned number of tests in the summary or graph in the project to the setting for each process.

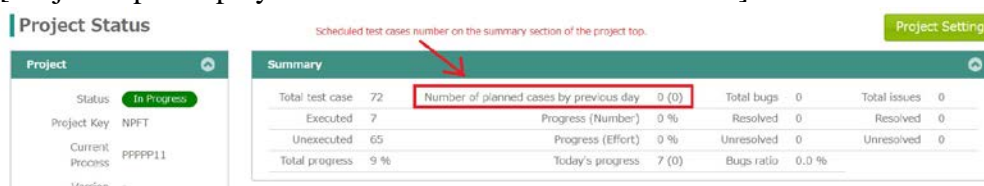
The setting is done from the next screen.

[Screen: Project Management > Project Settings > Project Information]

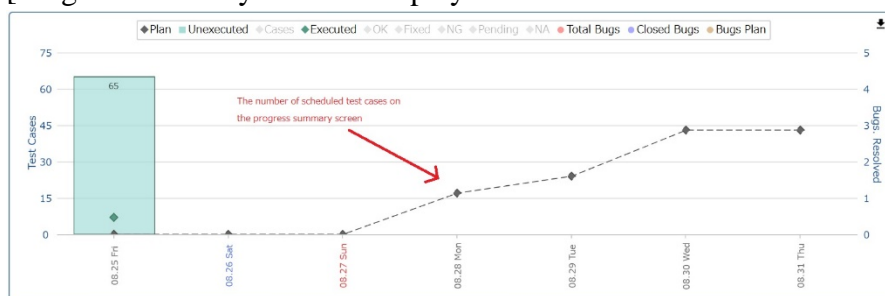
The project's summary and the number of scheduled test cases will be updated after the input of the scheduled number to the summary and pressing the register button. Please check on each scheduled number of test cases for the test suite and confirm on the detailed progress screen.

Scheduled Value	Description
Summary	The entered project schedule in the progress summary and of the progress graph will nevertheless be presented. It's possible to enter any scheduled number in the scheduled summary. (Please refer to the following input method)
Detail	The entered project schedule in the progress detail and of the progress graph will nevertheless be presented. (As usual: Initial value) For details, there will be a limit for the test cases number.

[Project top's display location for the scheduled test cases]



[Progress summary screen's display location for the scheduled test cases]



6.2.2 Enter the Scheduled Test Plan for each Process (Enter the Summary)

The number of cases to be digested per process is called "summary schedule" and can be entered from the summary progress screen.

Since the summary schedule can be registered even without the test suite, it is possible to set up a rough schedule (summary) based on the estimated test cases number and etc. at the project beginning.

- (1) Progress Summary screen > Press the Plan Input button > Select “Test”



- (2) Enter the scheduled test cases number for each day on the right progress calendar panel.

The screenshot shows the Test Planning screen. At the top, there are buttons for 'Save', 'Done', and 'Cancel'. Below them is a 'Planning' section with a 'Fix Past Plan' button and a 'Reset Column' button. The main table has columns for 'I...', 'Process', 'Total C...', 'Execut...', 'Plan Ca...', and a calendar for 2017/08. The calendar shows dates from 08/25 to 08/31. The cell for 08/27 is highlighted with a red box and contains a blue icon with a plus sign.

Moving to the right cell by pressing the tab key in the input mode.

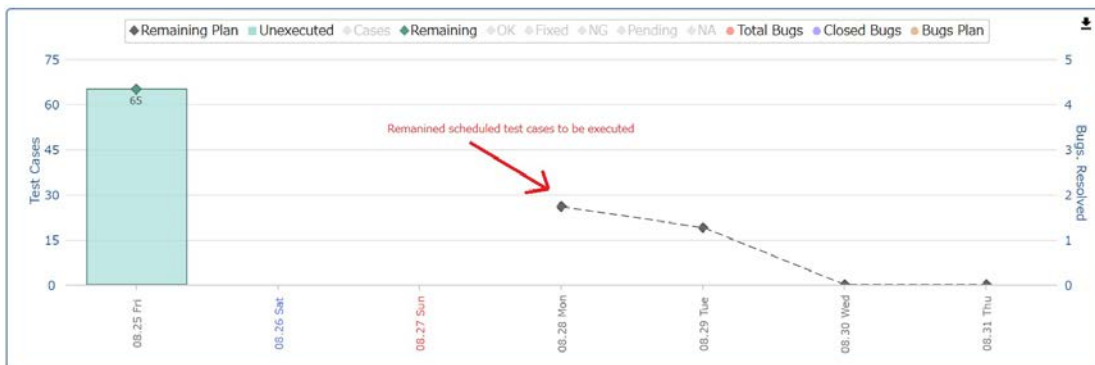
Reset the scheduled test cases number based on the actual records by pressing the “Fix Past Plan” button.

- (3) Save the current settings and go back to the summary progress screen by pressing the “cancel” button. Please press the “save” button to keep the setting without jumping back to the summary progress screen and press the “cancel” button to end the editing without saving anything. Please refer to 6.2.1 for the scheduled test cases of the setting summary and summary progress for presenting.

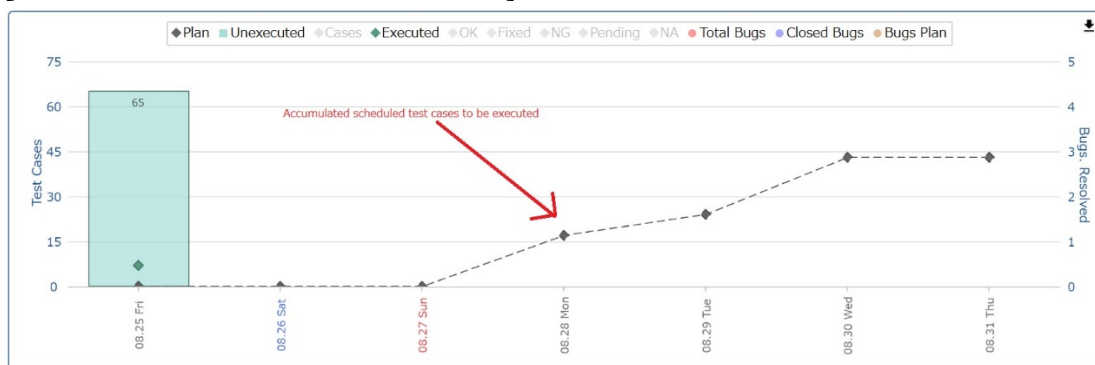
6.3 Display the Remaining Test Cases against the Test Plan

By switching the scheduled test cases graph setting to the remained test cases, the scheduled test cases line will be displayed downward toward to the lower-right side.

[Accumulated scheduled test cases to be executed (default setting)]



[Accumulated test cases to be executed]



Go the next screen for the setting.

[Screen: On the top of the project status screen> Project Setting button > Project Information]

Plan Overview	Plan : <input type="text" value="Detail"/>	Graph Display : <input type="text" value="Remaining Plan"/>
Mail Setting	<input checked="" type="checkbox"/> Send BTS Mail	<input checked="" type="checkbox"/> <input type="text" value="Remaining Plan"/> Mail

The scheduled test cases of the summary progress will be presented in the form of the remained test cases by setting graph display “Remaining Plan” and then the “register” button for it.

6.4 Issue Forecast and Actual Records Management

6.4.1 Check if the Issue happened as Forecasted

The progress summary graph shows the forecasted issue quantities registered in advance, in which the user can check the difference between the forecasted issue quantities by the comparison.

- (1) Click “bug” in the list shown by pressing the Plan Input button on the progress summary screen.

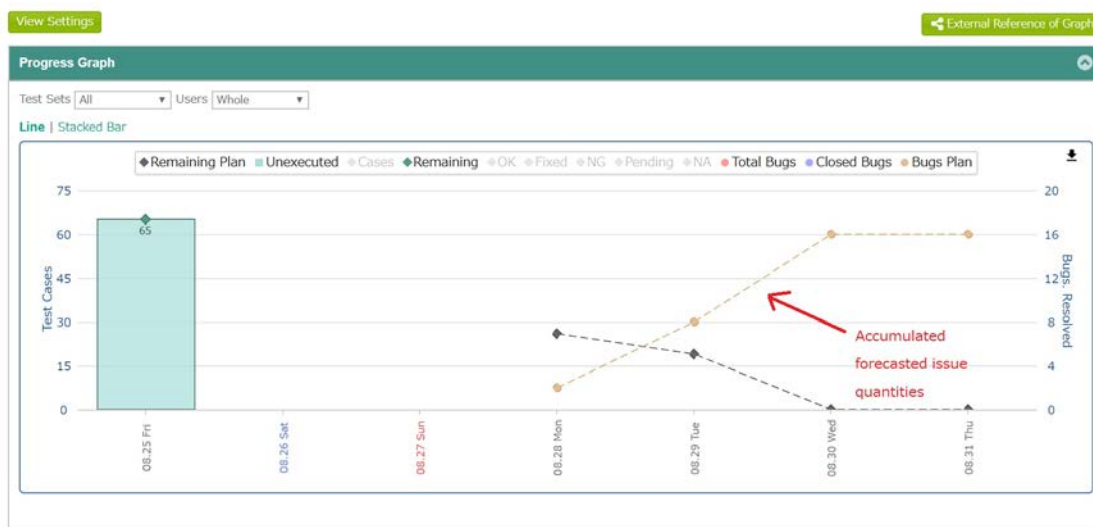
Progress Table		2017/08						
		08/25	08/26	08/27	08/28	08/29	08/30	08/31
Case Base								

- (2) Enter the forecasted issue quantities for each day and press the save button to keep all current settings then press the cancel button to return to the previous screen.

Bug Planning

Planning		2017/08								
I...	Process	Actual ...	Plan Bu...	08/25	08/26	08/27	08/28	08/29	08/30	08/31
2108	PPPPP11	0	0							

- (3) The inputted number will be presented as accumulated forecasted issue number in the graph.



Chapter 7: External BTS Integration

7.1 Working with the External BTS

CAT is able to connect with three kinds of external BTS.

(1) Synchronization mode (Redmine/JIRA/Backlog).

It is possible to synchronize the issue information between the project on the specified Redmine / JIRA / Backlog server and the CAT project, so does checking the issue on Redmine/JIRA/Backlog on CAT.

The issue in the external BTS will be automatically copied to the CAT when synchronizing, which wouldn't affect the project in the external BTS. All issue registrations will be redirected to the external BTS.

By connecting CAT with the external BTS:

- The function and the test suite name will be automatically imported to the external BTS.
- Connecting to the issue's test case
- It's possible to check the current issue situation by comparing the test progress.

- ※ 1. It is required to configure the firewall for accessing CAT if the external BTS was built in the Intranet.
- ※ 2. It is highly recommended to export all issues to CSV file since all issues have to be deleted before connecting to the external BTS.

(2) Copy mode (GitHub).

It is possible to copy issue information from CAT to GitHub Issue.

Following are ways to connect to the external BTS.

1. Prepare an external BTS account. The administrator account is required for connecting Redmine that synchronize the in charge and register. However, the administrator account is not required for synchronizing the issue information. An account with Browse Projects authority is required for connecting JIRA and an administrator account is necessary for connecting the Backlog.
2. Configure the external BTS that the user would like to connect via the Internet. Configure the firewall setting to connect to the external BTS established in the Intranet so that CAT can connect to it without errors.
3. Click “Edit ExtBTS” in project setting menu.

Project Management	
List	Overview
Project Information	Move to project information edit screen.
Project Detail Information	Move to Edit Project More Information screen.
Issue Setting	Move to issue setting screen.
Build Version Management	Manage internal minor version on the development.
Edit ExtBTS	Move to Edit Project ExtBts screen.
Edit Testing Environment	Move to Edit Environment screen.

[Back to Top Page](#)

- Set the “External BTS Integration” on and press the Next button.

External Integration Wizard

External BTS Integration ☒ OFF ☒ ON

- Select synchronization mode to connect to Redmine/JIRA and copy mode to connect to GitHub. For steps to connect to the specific external BTS, please refer to “7.2 Working with Redmine”, “7.3 Working with JIRA”, “7.4 Working with Backlog” and “7.5 Working with GitHub Issue” for details.

7.2 Working with Redmine

This section illustrates following ways to connect with Redmine.

- Setting the connection with Redmine
- Issue Registration
- Update the connection

Redmine Integration Settings

- Enter required items.

External Integration Wizard(1/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

External BTS Integration ☐ OFF ☒ ON

Mode ☒ Sync Mode ☐ Copy Mode

Type ☒ Redmine ☐ JIRA ☐ Backlog

URL ☐ Over Basic Auth Username Password

API Access Key

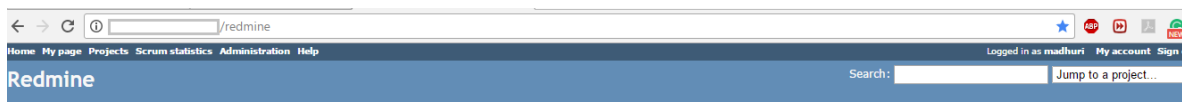
Project Identifier

Include Subproject ☐ OFF ☐ ON

Item	Description
External BTS Integration	Switch on/off the External BTS Integration settings.
Mode	Select the synchronous mode.
Type	Select Redmine.
URL	Enter the Redmine URL with user authentication and all required for authentication if needed.
API Access Key	Enter Redmine's API access key in which the user can check on the Redmine's personal setting screen.
Project Identifier	Enter the identifier of the Redmine project to be connected in which you can check on Redmine's project setting screen.
Include Subproject	Select the sub-project integration (※).

- ※ For connecting to the sub-projects, switching on the setting that shows the sub-project in the main project is required on Redmine side for connecting to the Redmine sub-projects.

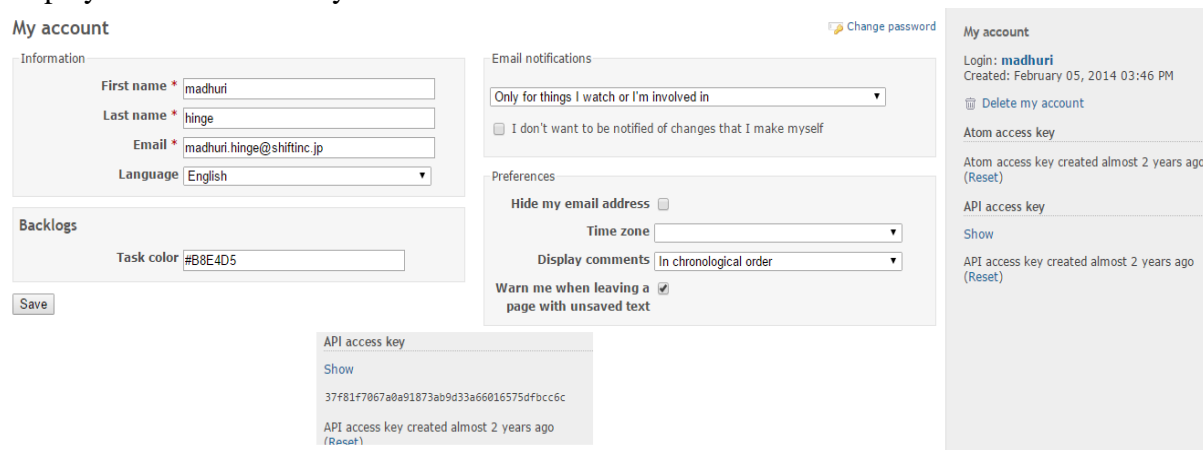
1. Enter the URL that shows up when you move the home page after the login.



2. Enter the API access key that you can find in “My Account”.

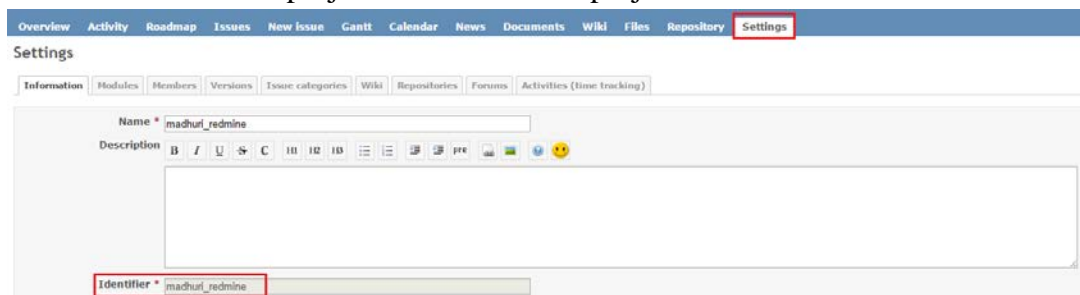


3. The API access key item will be displayed on the right side of the screen. Click “Show” to display the API access key.



- ※ The user count of Redmine connection will be calculated individually by the tester user count since the API access key is issued for the specific user.
- ※ Set the checkbox of “Enable REST web service” on in Administration > Settings > Authentication screen if you can not see the displayed API access key.
- ※ The API access key of the user with the authentication to view the ticket is required. The user information can also be connected with the system administration account.

4. Enter the Redmine project identifier of the project to be connected.



Enter values for those required items in (1).

- (2) Set up the scope of the type settings and tickets to be imported.

Please select the classification that corresponding to the Redmine tracker for the issue type mapping and notice that those tracker tickets will not be synchronized with such a selection without the connection.

The customized query will be set up when synchronizing the tickets with CAT, which will not synchronize with tickets outside the definition. The customized query is utilizable by the user who created it with API access key.

External Integration Wizard(2/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Tracker(Redmine)	Bug Type(CAT)
バグ	Bug
機能	Request
Sahil	Inquiry

※ At least one mapping setting is required for the connection.

- (3) Move to the common settings screen by pressing the next button. There are five item settings on the common settings screen: process mapping, status mapping, priority mapping, severity mapping and feature mapping. Please enter the values that corresponding to Redmine's settings in CAT.

Press the “Skip Remaining Settings” button to skip all settings after the next page and jump to the confirmation screen. This is the function the user can make most of when doing the project reset with the settings inherited from the previous one.

Also, if the CAT project does not use priority or importance, those mappings will be hidden.

1. We will map CAT process with Redmine fields. First, select those fields to be connected. Following mapping screen will only be shown when Redmine's targeted version is connected.

Target Version (Redmine)	Process(CAT)
V1	Default Value
V2	Default Value
V3	Default Value
V4	Default Value
Outside the definition	Default Value

Select the CAT process that corresponds to the Redmine target version for the mapping.

Following settings can be utilized when there is no process assigned.

- Default process: Connect to the default process configured here.
- No connection:

Related to Targeted Version [outside the definition].

This setting is for the version which is not listed, which can be applied to the new Redmine version which is not mapped on this screen.

※ The mapping screen will not be shown if the customized field is selected for a field. The customized field will be connected to the field if it shared the same name with a process in CAT, which will be connected to the default process if its name is not the same as any process.

2. Please select the CAT status that corresponds to Redmine's for status mapping. These status tickets will not be synchronized if none of them was selected.

Status (Redmine)	Status(CAT)
新規	New
進行中	Under Process
解決	Fixed
フィードバック	No Import
却下	No Import
終了	No Import
Cust_New	No Import
Redmineのstatus	No Import

3. Please execute priority mapping as guided in step 1. Enter the CAT field value that corresponds to Redmine's to utilize Redmine's priority in CAT. Those priority field not in use in the project will not be shown.

Priority (Redmine)	Priority(CAT)
低い	Default Value
通常	Default Value
高	Default Value
急いで	Default Value
非常に	Default Value
新しい優先度2	Default Value

4. Please execute severity mapping as guided in step 1. Enter the CAT field value that corresponds to Redmine's to utilize Redmine's severity in CAT. Those severity field not in use in the project will not be shown.

Priority (Redmine)	Severity(CAT)
低い	Default Value
通常	Default Value
高	Default Value
急いで	Default Value
非常に	Default Value
新しい優先度2	Default Value

5. Please select the field from the drop-down to execute the function mapping.

Integrated field	No Import
No Import	

(3) Common settings would be finished with above steps.

- (4) Set up the corresponding CAT field by selecting the Redmine's customized field from the field list after setting the Redmine tracker to execute the Type Specific Settings.

For the occasion that there is the test case linked to an issue (the function that connects an issue to the test cases), please set up the customnized field (text type) in Redmine and connect it to the test case.

The case id will be recorded automatically when the issue is registered from the test exection screen and the test case quantities that connect to the issue can be confirmed.

※ The infotmation here is for mapping Redmine's customized filed type with CAT's field type.

External Integration Wizard(4/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Skip Remaining Settings

Tracker: バグ

Custom Field (Redmine)	Field(CAT)	
テストケースID	Test Case Url	✕
重要度 (カスタム)	--select--	✕

Select custom field

Test case is required for managing the connection between the test case and the issue.

Help

Back

Next

Cancel

Please refer to 7.2.1 Redmine Fields Configuration for items in detail.

※ There must be at least registered ticket in Redmine so that the user can select customized field which will not be displayed if there is no registered ticket. The dummy ticket is required if there is no registered ticket in Redmine.

(5) Detail Settings settings in detail that contains following two items.

External Integration Wizard(5/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

User Information Integration Warning Message: ☐ OFF ☒ ON

Error Report Person: No Setting

Help

Back

Next

Cancel

[User Information Integration Warning Message]

It's possible to connect in charge and the developer with the mail address as the key when the system administrator and Redmine is in connection.

The warning will not be issued if this setting is off and this setting can not be adjusted if it is connected with the user without administrator authentication.

User connection warning can be checked on the External BTS Integration Error Details screen shown by pressing the “Sync Warning (Detail)” button on the top of the issue list screen. When there is no e-mail address for the user who is the issue register or in charge in CAT, the original e-mail address, user name, ticket number and project name will displayed.

Project Details Test Management Bug Management Progress Management Analysis

Demo Service1 TEST 株式会社 Shift

Process TETS

Issue List Download Search keyword Sync Sync Warning(Detail)

External BTS Integration Error Details

Date and time of execution : 2017-04-28 19:00

No	Type	Contents
1	Warning	Project:CAT4.11 連携テスト用プロジェクト (Redmine連携運用) Issue No.2752 Author (suguru.ishi@shifinc.jp) is not a team member.
2	Warning	Project:CAT4.11 連携テスト用プロジェクト (Redmine連携運用) Issue No.2749 Author (suguru.ishi@shifinc.jp) is not a team member.
3	Warning	Project:CAT4.11 連携テスト用プロジェクト (Redmine連携運用) Issue No.2748 Author (suguru.ishi@shifinc.jp) is not a team member.
4	Warning	Project:CAT4.11 連携テスト用プロジェクト (Redmine連携運用) Issue No.2715 Author (muthunjaya.ugaj@shifinc.jp) is not a team member.
5	Warning	Project:CAT4.11 連携テスト用プロジェクト (Redmine連携運用) Issue No.2714 Author (muthunjaya.ugaj@shifinc.jp) is not a team member.
6	Warning	Project:CAT4.11 連携テスト用プロジェクト (Redmine連携運用) Issue No.2713 Author (muthunjaya.ugaj@shifinc.jp) is not a team member.

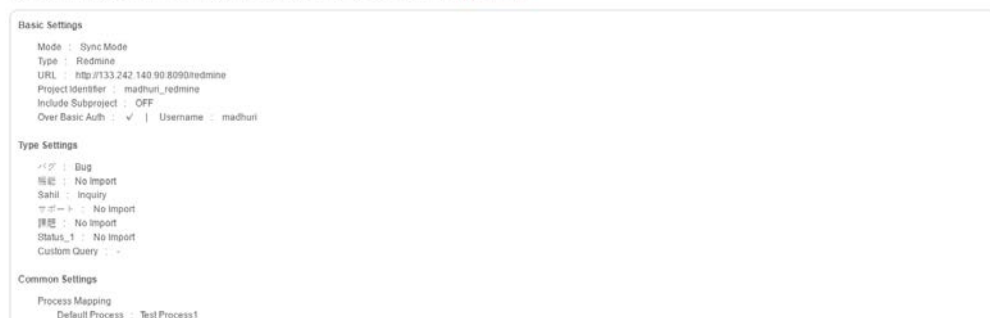
[Error Reports Person]

It's possible to assign a person to be informed of the error report when the error occurs.

- (6) Confirm current settings press the register button if everything is correct.

External Integration Wizard(6/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation



Basic Settings

Mode : Sync Mode
 Type : Redmine
 URL : http://133.242.140.90:8090/redmine
 Project Identifier : madhuri_redmine
 Include Subproject : OFF
 Over Basic Auth : ☒ | Username : madhuri

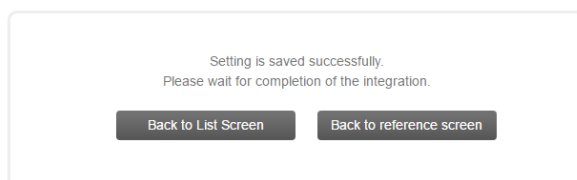
Type Settings

タイプ : Bug
 優先度 : No Import
 ステータス : No Import
 カスタムクエリ : . . .

Common Settings

Process Mapping
 Default Process : Test Process1

- (7) Press the “Back to list screen” or the “Back to reference screen” button on the below popup to end the external BTS setting after the registration is done.



Setting is saved successfully.
 Please wait for completion of the integration.

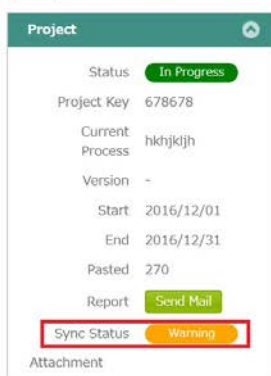
Back to List Screen Back to reference screen

[Sync Status]

The sync status of the external BTS can be checked on the top of the project screen. The user can check the BTS integration information in detail by clicking the status button if there is any warning or error.

Project Status

Project Setting



Project

Status : In Progress

Project Key : 678678

Current Process : hkhjkjkh

Version : -

Start : 2016/12/01


End : 2016/12/31

Pasted : 270

Report : Send Mail

Sync Status : Warning

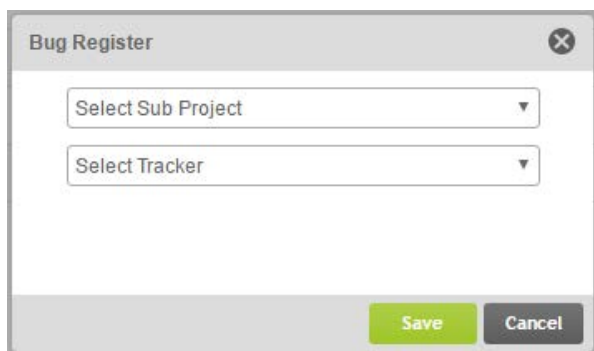
Attachment

Summary								
Total test case	96	Number of planned cases by previous day		0 (36)	Total bugs	113	Total issues	0
Executed	36	Progress (Number)		0 %	Resolved	0	Resolved	0
Unexecuted	60	Progress (Effort)		0 %	Unresolved	113	Unresolved	0
Total progress	37 %	Today's progress		0 (0)	Bugs ratio	313.9 %		

Testing						
Test Specification List	Assignee	Total	Execu...	Unex...	Differ...	
バックデートなしCSV+ID_1	-	12	0	12	0	
バックデートなしCSV-ID	-	8	3	5	3	
バックデートありCSV+ID	-	8	3	5	3	
バックデートありCSV-ID	-	8	3	5	3	

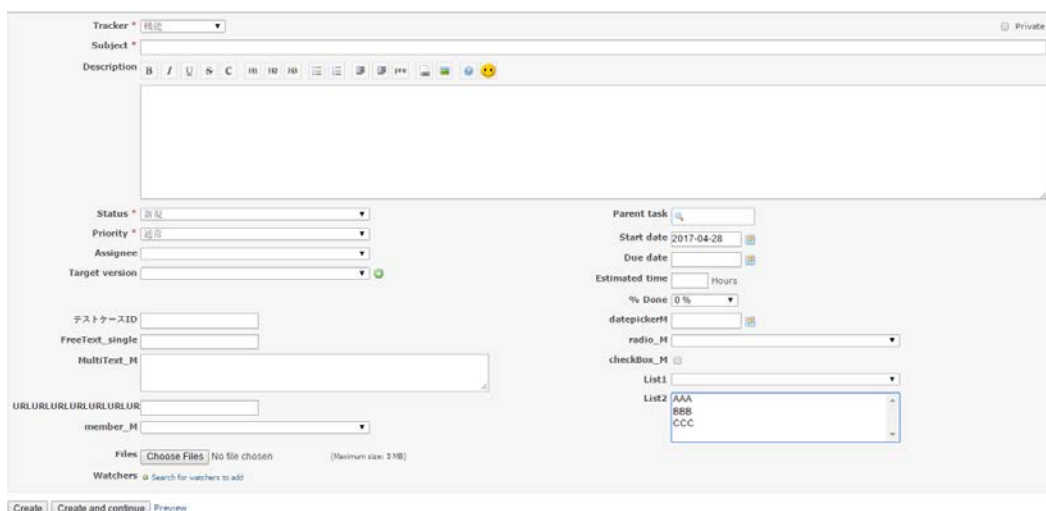
Bug Registration

- (1) A popup as below will be displayed for the issue registration after the external BTS setting.
Please select a Redmine sub project and the tracker to execute the issue registration.
※ There would be only tracker available for selecting if there is no sub project in connection.



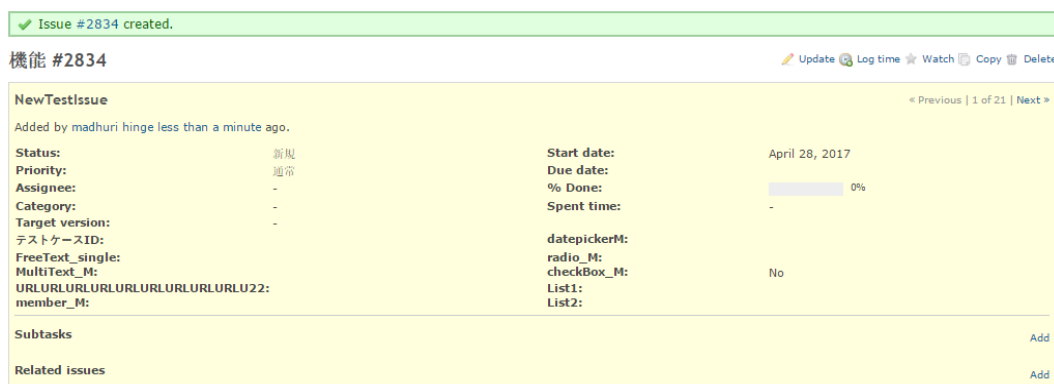
The image shows a 'Bug Register' popup window. It contains two dropdown menus: 'Select Sub Project' and 'Select Tracker'. At the bottom right, there are two buttons: 'Save' (green) and 'Cancel' (grey).

- (2) Please enter the value for each item to execute the issue registration on Redmine issue registration screen.



The image shows the Redmine issue registration screen. It includes a 'Tracker' dropdown set to '機能', a 'Subject' field, and a 'Description' text area with rich text formatting tools. Below these are fields for 'Status' (新規), 'Priority' (通常), 'Assignee', and 'Target version'. There are also fields for 'テストケースID', 'FreeText_single', and 'MultiText_M'. On the right side, there are fields for 'Parent task', 'Start date' (2017-04-28), 'Due date', 'Estimated time', '% Done' (0%), 'datepickerM', 'radio_M', 'checkBox_M', 'List1', and 'List2' (containing AAA, BBB, CCC). At the bottom, there are 'Files' and 'Watchers' sections, and buttons for 'Create', 'Create and continue', and 'Preview'.

- (3) Please press the create button after the inputting.



The image shows the confirmation screen after creating issue #2834. A green banner at the top says 'Issue #2834 created.' Below this, the issue title '機能 #2834' is shown with action links: Update, Log time, Watch, Copy, and Delete. The main content area is titled 'NewTestIssue' and shows the issue was added by 'madhuri hinge' less than a minute ago. It lists the issue details in two columns:

Status:	新規	Start date:	April 28, 2017
Priority:	通常	Due date:	
Assignee:	-	% Done:	0%
Category:	-	Spent time:	-
Target version:	-	datepickerM:	
テストケースID:		radio_M:	
FreeText_single:		checkBox_M:	No
MultiText_M:		List1:	
URLURLURLURLURLURLURLURL22:		List2:	
member_M:			

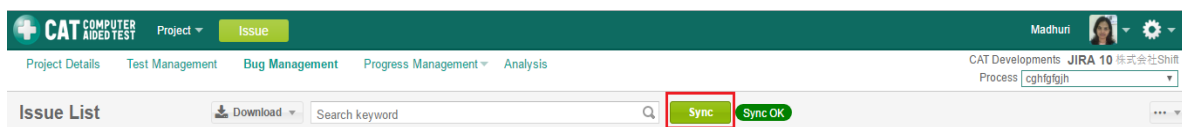
 At the bottom, there are sections for 'Subtasks' and 'Related issues', each with an 'Add' link.

Update the Connection

The external BTS connection can be updated by pressing the “Sync” button.

Those problems happened when connecting will be displayed in Sync Warning (Detail), which can be shown by pressing the button so that the user can check the detail. The warning happens when there is no value that an issue is holding registered to CAT.

- ※ Those issues that exist only in CAT will be deleted after the connection updating. Please download all issues from CAT before connecting to the external BTS and upload them to the external BTS.



7.2.1 Redmine Fields Configuration

Following is the correspondence table that maps CAT's field with the external BTS, in which you can refer to when mapping the customized fields. Besides, those customized fields which don't exist in the BTS are not importable.

Redmine

CAT Item – Customized Filed	Type	Redmine Customized Field
Test Case	-	Text
Test Suite Title	-	Text
Test Case URL	-	Text
Customized Field	Text (one line)	Text
Customized Field	Text (more than one line)	Long Text, Text
Customized Field	Radio Button	Select from list, text
Customized Field	Check Box	Boolean Value
Customized Field	Multiple-Choice List	Select from list, text
Customized Field	Multiple-Choices List	Select from list (multiple choices), text
Customized Field	URL	Text
Customized Field	Label	-
Customized Field	Date	Date
Customized Field	Date + Time	-
Customized Field	Members	A User

7.3 Working with JIRA

This section illustrates following ways to connect with JIRA.

- Setting the connection with JIRA
- Issue Registration
- Update the connection

JIRA Integration setting

(1) Enter the required items.

External Integration Wizard(1/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

External BTS Integration	<input type="radio"/> OFF <input checked="" type="radio"/> ON
Mode	<input checked="" type="radio"/> Sync Mode <input type="radio"/> Copy Mode
Type	<input type="radio"/> Redmine <input checked="" type="radio"/> JIRA <input type="radio"/> Backlog
URL	<input type="text"/>
User Information	User Name <input type="text"/> Password <input type="text"/>
Project Key	<input type="text"/>

Restriction:

In Jira integration, some information is not initially entered when registering an subtask from test execution screen. (e.g. test case, feature)
Please use a bug mapping feature to map test cases with the issue after registering it.

Help Back Next Cancel

Item Name	Description
External BTS Integration	Switch on/off the External BTS Integration settings.
Mode	Select the synchronous mode.
Type	Select JIRA.
URL	Enter the URL that you can see on JIRA's top page.
User Information	Please enter user name and password for connecting JIRA. The user account for the connection must have the authentication to view the project.
Project Key	Enter the JIRA project key for the connection, in which you can check on JIRA's project edit screen.

① Please enter the BTS URL that you can find on the top page as below (E.g. URL is http:// example in the following case).



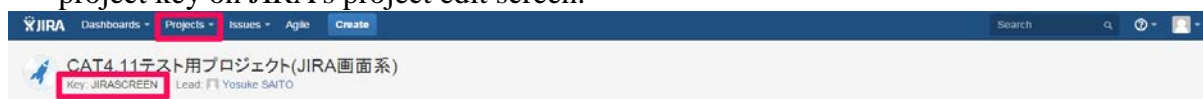
② Please enter JIRA user name and password and make sure the user account for connecting JIRA must have the authentication to view the project.

External Integration Wizard(1/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

External BTS Integration	<input type="radio"/> OFF <input checked="" type="radio"/> ON
Type	<input type="radio"/> Redmine <input checked="" type="radio"/> JIRA <input type="radio"/> Backlog
URL	<input type="text"/>
User Information	User Name <input type="text"/> Password <input type="text"/>
Project Key	<input type="text"/>

- ③ Please enter the project key of JIRA project to be linked with CAT project. You can check the project key on JIRA's project edit screen.



- ④ Press the next button after you finish the inputting.

External Integration Wizard(1/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

External BTS Integration	<input type="radio"/> OFF <input checked="" type="radio"/> ON	
Mode	<input checked="" type="radio"/> Sync Mode <input type="radio"/> Copy Mode	
Type	<input type="radio"/> Redmine <input checked="" type="radio"/> JIRA <input type="radio"/> Backlog	
URL	<input type="text"/>	
User information	User Name <input type="text"/>	Password <input type="password"/>
Project Key	<input type="text"/>	

Restriction:
In Jira integration, some information is not initially entered when registering an subtask from test execution screen. (e.g. test case, feature)
Please use a bug mapping feature to map test cases with the issue after registering it.

Help Back **Next** Cancel

- ※ Please login to JIRA directly and try when you can't connect to JIRA and get CAPTCHA from it which caused by entering the wrong password for certain times.

External BTS Integration Error Details

Date and time of execution : 2017-08-29 10:00		
No.	Type	Contents
1	Warning	Project:CAT連携用テストプロジェクト, Issue No:CAT-1 Author (masakazu.suga@shiftinc.jp) is not a team member.

Inputting of all required items can be finished with above steps in (1).

- (2) Please select the CAT issue type that corresponds to the JIRA issue type from the drop-down menu for type settings.

Next, set up JQL (optional) in which can narrow down the scope of issues that synchronize with CAT. For example, you can specify conditions such as status = open and priority = urgent and assignee = jsmith. Please refer to the following URL for more JQL details.

Advanced Searching:

<https://confluence.atlassian.com/jira/advanced-searching-179442050.html>

- ※ At least one mapping setting is required for the connection.

External Integration Wizard(2/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Type Mapping	Issue Type(JIRA)	Map Type(CAT)
	タスク	Inquiry
	サブタスク	Request
	新機能	Bug
	バグ	No Impact
	エピソード	Bug
JQL	<input type="text"/> <small>Searched issues by JQL are integrated with CAT (Optional). Only issues of the project which is set in Basic Setting are integrated. Mapping of issue type and status in Common Setting are also reflected to the integration.</small>	

Help Back **Next** Cancel

- (3) Move to the common settings screen by pressing the next button. There are five item settings on the common settings screen: process mapping, status mapping, priority mapping, severity mapping and feature mapping. Please enter the values that corresponding to JIRA's settings in CAT or press "Skip Remaining Setting" to skip the rest and jump to the confirmation screen. If the priority or severity is not in user then its mapping table will not be shown as well.

- ① Please select the CAT process that corresponds to the JIRA process for the mapping. The default process will be utilized when the process is not accessible or no related value when connected. Please select the version or customized field you'd like to connect to from the drop-down menu (The corresponding input will not be shown if you selected customized filed as the field to connect).

External Integration Wizard(3/6)

1. Basic Settings > 2. Type Settings > 3. **Common Settings** > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Skip Remaining Settings

Process Mapping

Default Process: TestProcess1

Integrated field: 影響バージョン

影響バージョン	Process(CAT)
Outside the definition	Default Value

- ② Please select the status from the drop-down menu that corresponds to JIRA's status for executing the status mapping.

Status Mapping

ステータス (JIRA)	Status(CAT)
新規	New
進行中	Under Process
再オープン	Fixed
解決済み	Confirmed Fix
クローズ	Resumption
To Do	Postpone
完了	No Import
In Review	Resumption

- ③ Please select the priority that corresponds to the JIRA's priority as the guidance in (1).

Priority Mapping

Default Priority: P1

Integrated field: 優先度

優先度	Priority(CAT)
Highest	P1
High	P2
Medium	P3
Low	P5
Lowest	P6

- ④ Please select the severity that corresponds to the JIRA's severity as the guidance in (1).

Severity Mapping

Default Severity: Normal

Integrated field: 優先度

優先度 (JIRA)	Severity(CAT)
Highest	Blocker
High	Critical
Medium	Normal
Low	Trivial
Lowest	Enhancement

- ⑤ Please select the field to connect from the drop-down menu for executing the feature mapping and Label mapping.

Label Mapping

Integrated field: No Import

Please refer to "12.2. Field correspondence of external BTS linkage" for more details about the mapping between fields.

Common settings can be finished with above steps.

- (4) Please select the type and the CAT's field that corresponding to the JIRA's customized field for executing Type Specific Settings.

※ There should be at least 1 registered ticket in JIRA for selecting the customized field which shows nothing if there is not even an existing ticket in JIRA and the dummy ticket registration would be required for this occasion.

Besides, the guidance here is for mapping JIRA's customized field types with CAT's field types and the correspondence can be referred as below:

External Integration Wizard(4/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Custom Field (JIRA)	Field (CAT)
CAT: ID	Test Case
CATCHECK	testCheckBox(Check box)
CATTEXTLONG	testSingle2(Free text(Multiple))
CATURL(テキスト)	testURL(URL)
CATMULTISELECT	testList2(Multiple Select list)
NEW CUSTOM FIELD (SINGLE USER)	testMember(member)
CATTEXT	testSingle(Free text(Single))
CATDATEPICKER	testDatePicker(date picker)

Select custom field

Help Back Next Cancel

- (5) Please select the e-mail address that error notification report of the connection error will send to for executing detail settings. Next, please enter any page URL which is configurable when registering an issue. By doing this, the initial value is importable with the template that can be corresponding to any issue field. Following is the format that the URL has to follow.
[JIRA BASE URL]/secure/CreateIssueDetails!init.jspa? [ARGUMENTS]

Please refer to the following table for basic guidance and below URL for more details.

Creating Issues via direct HTML links:

<https://confluence.atlassian.com/display/JIRA051/Creating+Issues+via+direct+HTML+links>

Item Name	Description
JIRA BASE URL	It is the basic JIRA URL for the connection.
ARGUMENTS	Please enter the field and value for the initial value input. Use & as the jointer that connects multiple fields together. Example: pid = 10420 & issuetype = 4

External Integration Wizard(5/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Error Report Person

Issue register URL is generated on the basis of this URL.
This URL has to be in the following structure, and parameters must be encoded.
[JIRA BASE URL]/secure/CreateIssueDetails!init.jspa? [ARGUMENTS]

Help Back Next Cancel

- (6) Confirm current settings press the register button if everything is correct.

- (7) Press the “Back to list screen” or the “Back to reference screen” button on the right popup to end the external BTS setting after the registration is done.

Bug Registration

- (1) A popup as right one will be displayed for the issue registration after the external BTS setting. Please select a mother issue the type selected is a sub task.
 ※ All default connection settings such as case ID or function is not configurable if issue registered is in JIRA's sub task.

- (2) The JIRA issue screen will be launched, please enter required items and press the “Create” button.

Update the Connection

The external BTS connection can be updated by pressing the “Sync” button. Those problems happened when connecting will be displayed in Sync Warning (Detail), which can be shown by pressing the button so that the user can check the detail. The warning happens when there is no value that an issue is holding registered to CAT.

- ※ Those issues that exist only in CAT will be deleted after the connection updating. Please download all issues from CAT before connecting to the external BTS and upload them to the external BTS.

7.3.1 JIRA Fields Configuration

Following is the correspondence table that maps CAT's field with the external BTS, in which you can refer to when mapping the customized fields. Besides, those customized fields which don't exist in the BTS are not importable.

JIRA

CAT Item – Customized Field	Type	JIRA Field Type
Test case	-	Text Field (Single Line), Text Field (More than one Line)
Test Suite Title	-	-
Test Suite ID (old)	-	-
Test case ID (old)	-	-
Customized Field	Text (Single Line)	Text field (Single line), radio button, selection list (multiple choice)
Customized Field	Text (More than one line)	Text field (multiple lines), text field (single line)
Customized Field	Radio Button	Radio button, selection list (multiple choice), text field (1 line)
Customized Field	Checkbox	-
Customized Field	Multiple Choice	Selection list (multiple choice)
Customized Field	Multiple Choices	Selection list (multiple choices)
Customized Field	URL	URL Field
Customized Field	Label	Label
Customized Field	Date	Date Picker
Customized Field	Date + Time	Date + Time Picker
Customized Field	Member	User Picker

7.4 Working with Backlog

This section illustrates following ways to connect with JIRA.

- Setting the connection with Backlog
- Issue Registration
- Update the connection

Backlog cooperation settings

(1) Enter required items.

External Integration Wizard(1/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

External BTS Integration	<input type="radio"/> OFF <input checked="" type="radio"/> ON
Mode	<input checked="" type="radio"/> Sync Mode <input type="radio"/> Copy Mode
Type	<input type="radio"/> Redmine <input type="radio"/> JIRA <input checked="" type="radio"/> Backlog
URL	<input type="text" value="https://example.backlog.jp"/>
API Key	<input type="text" value="XXXXXXXXXXXXXXXXXXXX"/>
Project Key	<input type="text" value="CAT"/>

Restriction:
In Backlog integration, some information is not initially entered when registering an issue from test execution screen. (e.g. test case, feature)
Please use a bug mapping feature to map test cases with the issue after registering it.

Help Back Next Cancel

Item Name	Description
External BTS Integration	Switch on/off the External BTS Integration settings.
Mode	Select the synchronous mode.
Type	Select Backlog
URL	Enter the Backlog top page URL.
API Key	Please enter the user name and password for connecting the Backlog. The user account for the connection must have the authentication to view the project.
Project Key	Enter the Backlog's project key in which the user can check on the Backlog's project editing screen.

- ① Enter the URL of the external BTS. Please enter the URL of Backlog.
In the case of the figure below, the URL is <https://example.backlog.jp>.



- ② Enter the Backlog API key in which the user can register and check API in the personal setting. For confirmation, the user account for the Backlog connection must have the authentication to view the project.

API Settings ?

Generate new API Key

Memo

Submit

Registered API keys

API key	Memo	Created	Delete
★★★★★★★★★★★★★★★★★★★★		4.04.2017	X

- ③ Please enter the project identifier of the Backlog that connects with CAT. The name in the parenthesis as shown below is the project identifier.

Dashboard Projects Recently Viewed Issues Recently Viewed Wikis Filters

cat (CAT)

- ④ Press the Next button after inputting is finished. All required items would get its value with above steps in (1).

- (2) Please select the CAT issue type from the drop-down list that corresponds to the Backlog's issue type for executing the type mapping.

External Integration Wizard(2/6)

1. Basic Settings > 2. **Type Settings** > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Issue Type(Backlog)	Bug Type(CAT)
タスク	Bug
バグ	Request
要望	Inquiry
その他	No import

※ At least one type mapping is required.

- (3) Move to the common settings screen by pressing the next button. There are four item settings on the common settings screen: process mapping, status mapping, priority mapping, severity mapping. Please enter the values that corresponding to Backlog's settings in CAT.

- ① For executing the process mapping between CAT and Backlog, the default process will be utilized for the connection when the target process is not accessible or there is no corresponding value found. Please select the field to connect from the drop-down list. Please select the CAT process, target version and customized filed from the drop-down menu that corresponds to the Backlog's items.

Process Mapping	Default Process	testVM
	Integrated field	Version
	Version (Backlog)	Process(CAT)
	v2	testVM
	v1	Default Value
	Outside the definition	Default Value

- ② Please select the status from the drop-down that corresponds to the Backlog's status for executing the status mapping.

Status Mapping	Status (Backlog)	Status(CAT)
	未対応	New
	処理中	Under Process
	処理済み	No Import
	完了	No Import

- ③ Please select the priority that corresponds to the Backlog's priority item for executing the mapping as guided in step ①.

Priority Mapping	Default Priority	P1
	Integrated field	Priority
	Priority (Backlog)	Priority(CAT)
	高	P1
	中	P2
	低	P3

- ④ Please select the field from the drop-down list for executing the function mapping.

Feature Mapping	Integrated field	No Import
-----------------	------------------	-----------

Please refer to "2.3.1 Field mapping relationship of external BTS connection" for more details about field mapping.

The common setting could be completed with all steps in (3) above.

- (4) Please select the CAT field that corresponds to the Backlog's customized field for executing the

type specific settings connect the test case with an issue if needed.

Besides, all guidances here are for mapping the Backlog's customized fields to CAT's field only.

External Integration Wizard(4/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Custom Field (Backlog)	Field(CAT)	
single	--select--	

- (5) Please select the user to receive the notification email with the error report when connection error happens.

External Integration Wizard(5/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Error Report Person
ugaji

- (6) Please press the register button at the bottom of the screen after checking all current settings.

External Integration Wizard(6/6)

1. Basic Settings > 2. Type Settings > 3. Common Settings > 4. Type Specific Settings > 5. Detail Settings > 6. Confirmation

Basic Settings Mode : Sync Mode Type : Backlog URL : https://ugaji.backlog.jp Project Key : CAT	
Type Settings タスク : Bug バグ : Request 要望 : Inquiry その他 : No Import	
Common Settings Process Mapping Default Process : testVM v2 : testVM v1 : Default Value Outside the definition : Default Value Status Mapping 未対応 : New 処理中 : Under Process 処理済み : No Import	

- (7) After successful registration confirmation screen will appear. Please press the return to list button or the return to detail button to finish setting the external BTS.

Setting is saved successfully.

Please wait for completion of the integration.

Back to List Screen

Back to reference screen

Backlog registration

The Backlog issue registration screen will be launched when registering a new issue after connecting with the Backlog. Press the “Add” button to finish the registration after the inputting is done.

The screenshot shows the Backlog issue registration interface. At the top, there is a 'タスク' (Task) dropdown menu. Below it is a 'Subject' text input field. The main section is the 'Description' area, which includes a large text editor with a toolbar containing bold (B), italic (I), strikethrough (S), and other formatting options. Below the description area, there are several form fields: 'Status' (set to 'New'), 'Priority' (set to 'Normal'), 'Category' (with a 'Multiple selection' link), 'Assignee' (with a user selection icon), 'Milestone' (with a 'Select nearest' and 'Multiple selection' link), and 'Version' (with a 'Multiple selection' link). A 'Preview' button is located at the bottom right of the description area.

Update the Connection

The external BTS connection can be updated by pressing the “Sync” button. Those problems happened when connecting will be displayed in Sync Warning (Detail), which can be shown by pressing the button so that the user can check the detail. The warning happens when there is no value that an issue is holding registered to CAT.

※ Those issues that exist only in CAT will be deleted after the connection updating. Please download all issues from CAT before connecting to the external BTS and upload them to the external BTS.



7.4.1 Backlog Fields Configuration

Following is the correspondence table that maps CAT's field with the external BTS, in which you can refer to when mapping the customized fields. Besides, those customized fields which don't exist in the BTS are not importable.

Backlog

※ Following items are not connectable with Backlog and have to be manually set up when registering the issue.

- Test environment
- Type
- Test case related connection information.

CAT Item – Customized Field	Type	Backlog Field Type
Test Cases	-	String
Test Case Url	-	A Sentence
Customized Field	Text (one line)	String
Customized Field	Text (more than 1 line)	A sentence
Customized Field	Text (one line)	Numeric Value
Customized Field	Date	Date
Customized Field	Multiple Choice	Selection List

7.5 Working with GitHub Issue

Integrating with GitHub Issue makes it easy to copy the issue from CAT to it. Please refer to the way of setting the connection as below:

- (1) Press the next button after entering the repository name, its user name and password for the connection.

- (2) Please enter the user ID and password of the repository owner that contains the authority to overwrite.

- (7) Please enter the user Id and password of the repository owner with the authority to copy the issue to GitHub Issue.

Login To GitHub

User ID :

Password :

Login

Cancel

shiftindia123 / madhuriR

Unwatch

1

Star

0

Fork

0

Code

Issues 20

Pull requests 0

Projects 0

Wiki

Pulse

Graphs

Settings

676767657657657 #20

Edit

New issue

Open

madhuri99 opened this issue just now · 0 comments

Under Process

Bug

P5

Normal

Owner

+

Assignees

madhuri99

Labels

bug

Projects

None yet

Milestone

test

madhuri99 added this to the test milestone just now

madhuri99 self-assigned this just now

madhuri99 added the bug label just now

94

7.5.1 GitHub Issues' Comment Input Options

Options that the user can set for GitHub Issue's comments are as below.

Comment Input Field Option
Type
Overview
Status
Case ID
Case URL
Happened Version
Fixed Version
Priority
Severity
Operating procedure
Label
Environment
Function
Developer
Text (one line) (Customized Field)
Text(more than one line) (Customized Field)
Radio Button (Customized Field)
Check Box (Customized Field)
Multiple Choice (Customized Field)
Multiple Choices (Customized Field)
URL (Customized Field)
Select Box (Customized Field)
Date (Customized Field)
Date +Time (Customized Field)
Member (Customized Field)

7.6 External BTS Authentication

The user is allowed to set external BTS authentication, which is used for login when registering the issue.

- (1) Press the edit button on the account setting screen.

Account Settings Change Password Edit

User Name	Madhuri
Authentication Type	Local Authentication
Login ID	madhuri.hinge@shifline.jp
Email ID	madhuri.hinge@shifline.jp
Language	English
Profile Picture	
Mail Send Type	HTML
Department Name	
Work Place	東京 (CHIFUKU)

External Bts User Credentials

Please set user credentials for accessing the External Bts. This credential setting is used in Issue Mapping feature.

Ext BTS	User Credentials
JIRA (http://49.212.208.149)	User Name: madhuri Password:
Redmine (http://133.242.140.90:8090/redmine)	User Name: madhuri Password:

- (2) Account setting screen.

The authentication information for accessing external BTS, which is only configurable in the project that the user belongs to and will be used when registering an issue. For connecting Redmine, you have to utilize the user name and the password and API key for Backlog. Please refer to “2.1.3 Working with Backlog” for knowing how to get the API key which is not applicable to GitHub.

External Bts User Credentials

Please set user credentials for accessing the External Bts. This credential setting is used in Issue Mapping feature.

Ext BTS	User Credentials	Delete
JIRA (http://153.126.143.129/jira) ▼	User Name: <input type="text"/> Password: <input type="text"/> <input type="checkbox"/> Use CAT credentials	<input type="button" value="✕"/>
Redmine (http://133.242.140.90:8090/ ▼	User Name: <input type="text"/> Password: <input type="text"/> <input type="checkbox"/> Use CAT credentials	<input type="button" value="✕"/>
Backlog (https://uga.jp/backlog.jp) ▼	API Key: <input type="text"/>	<input type="button" value="✕"/>

Register

Cancel

7.7 Slack Integration

This section illustrates the way to set up a Slack integration, in which the issue, testing issue, test ending notification and report can be sent to.

- (1) Click Slack Integration setting on the service management screen.

Service management

List	Description
Service Management	Move to service information edit screen
Testing Basic Setting	Manage custom field and other settings related to testing feature.
Header Template Management	Move to Edit Header Template screen.
Version Setting	Manage the version to be used in the service.
Issue Template Setting	Manage the issue template setting.
Slack Integration Setting	Move to Edit Slack Integration Setting screen
External Reference URL Management Setting	Manage External Reference URL. Set up URL to refer CAT data externally.

Back to Service List

- (2) Register or edit the channel, valid, invalid or delete the channel status can be executed on the Slack integration screen. Please press the new button or click the channel to edit to register the channel.

スラック連携設定

新規登録

ID	チャンネル名	概要	チャンネル利用プロジェクト	エラー	チャンネルステータス	削除
17	SlackProject		Slack	-	<input type="button" value="有効"/>	<input type="button" value="削除"/>
21	Sample Channel	Sample Channel への重要連絡通知を行う。	Sample Project X	-	<input type="button" value="有効"/>	<input type="button" value="削除"/>

- (3) Please enter following required items for channel settings on the channel setting screen.

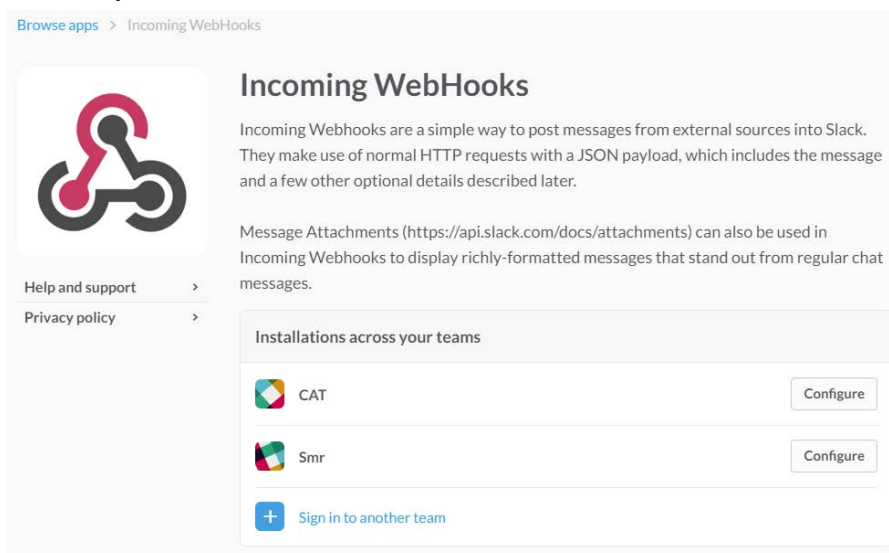
Channel Setting

Channel	test <small>Allows up to 255 characters</small>								
Webhook	*****								
Description									
Language	Japanese								
Project Using Channel	CAT 4.11 Development								
Notification Option	<input checked="" type="checkbox"/> Issue notification (*ext bts is synchronizing, issue notification is not available) <input checked="" type="checkbox"/> Test issue notification <input checked="" type="checkbox"/> Test completed notification								
Reporting	Send report regularly <input checked="" type="checkbox"/> 01.00 *Project setting mail format is used								
Issue Notification Filter	Each conditions on the same row are And conditions. Each rows are Or conditions. The parameter after editing is applied for Issue notification filter. <table border="1"> <thead> <tr> <th>ID</th> <th>Issue Type</th> <th>Conditions</th> <th>Delete</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Type Bug</td> <td>push + button to add field value condition</td> <td><input type="button" value="Delete"/></td> </tr> </tbody> </table>	ID	Issue Type	Conditions	Delete	1	Type Bug	push + button to add field value condition	<input type="button" value="Delete"/>
ID	Issue Type	Conditions	Delete						
1	Type Bug	push + button to add field value condition	<input type="button" value="Delete"/>						

Item	Description
Channel Name	Please enter a channel name such as the project name to be connected or the channel name to be notified.
Web Hook	Please obtain and input the web hook of the destination channel on Slack. For details on how to obtain Web hooks, please refer to "Getting the Web Hook" below
Language	Please select the notification language.
Channel Use Project	Please select a project to be connected.
Notification Options	Please set the option on for those channels you'd like to get the notification. For details of the notification details, please refer to "Notification Options" below.
Report	The report with content based on the template in the project will be sent at the scheduled time. The content format will be the format in the language configured in the project. Please refer to "3.1 Making a new project" in "4. Project setting management" for the way to edit the format.
Issue Notification Filter	Please refer to "3. Issue notification filter" below for more detail and execute the input.

Getting the Web Hook

- (1) Open Incoming Web Hooks from Browse apps and click the Configure hold by the team in the channel you'd like to connect with CAT.



- (2) Please select the channel to connect with CAT from the team's channel list screen and add a new channel by "Add Configuration" if there is no suitable channel at this moment.

(3) Please copy the Web hook URL displayed and all contents so far are for getting the Web Hook.

Integration Settings

Post to Channel
Messages that are sent to the incoming webhook will be posted here.

#catintegration [or create a new channel](#)

Webhook URL
Send your JSON payloads to this URL. [Show setup instructions](#)

https://hooks.slack.com/services/... [Copy URL](#) [Regenerate](#)

Notification Options

Notification options are as the table below.

Item	Description
Issue Notification	The notification will be sent for those create, edit, delete and comment's create, edit and delete actions that fit the issue filter queries. The notification function is not utilizable when CAT is connecting with the External BTS. Please refer to “※ 3. Issue notification filter” for more details related to the issue notification filter function.
Testing Issue notification	The notification of the testing issue creation, main revision (※) and the deletion. ※ The notification will only be sent if the in charge, status or execution control was changed.
Test completion notification	The test completion notification with details will be sent when test cases are all executed, which is equal to the quantities of both on hold and unexecuted test cases become 0.

Issue notification filter

The user can connect to the filter that connects to the issue notification, which contains many criteria assignable.

Field Types

- Multiple choice lists
- Multiple choices list
- Check box
- Radio box
- Member
- Function
- Status
- Version
- Environment

Filter conditions in detail

- The parameters applied to the filter condition when editing an issue will be the parameters after the editing.
- ID 1 will be applied when the accompanying condition is an AND in the below figure. The issue priority will be notified as “Critical” when its value is P4 or P5.
- In the condition such as ID 1 and 2 as below, the notification will be sent when either one of them is triggered. Besides, only one notification will be executed when those 2 are triggered at the same time.
- It’s possible to select more than one test environment and the notification will be sent when any one of them get a new registered issue. In below ID 3 case, the notification will be processed when there is a new registered issue related to iPad mini, iPad mini 2, iPhone 5 S or iPhone 4, which will be executed even when it contains the environment other than these four.

Each conditions on the same row are And conditions. Each rows are Or conditions. The parameter after editing is applied for Issue notification filter.

ID	Issue Type	Conditions	Delete
1	Type: Bug	Priority: <input type="checkbox"/> P5 <input type="checkbox"/> P3 <input type="checkbox"/> Severity: <input type="checkbox"/> Critical <input type="checkbox"/> Blocker	<input type="button" value="+"/> <input type="button" value="Delete"/>
2	Type: Request	Status: <input type="checkbox"/> New <input type="checkbox"/> Under Process	<input type="button" value="+"/> <input type="button" value="Delete"/>
3	Type: Inquiry	Environment: <input type="checkbox"/> iPad Air T01 <input type="checkbox"/> iPad mini T01 <input type="checkbox"/> iPhone5S 08wdtvg	<input type="button" value="+"/> <input type="button" value="Delete"/>

Chapter 8: License Management

This chapter illustrates the way of license management which can be executed on the license management screen that the user can set up the timeout session only before.

8.1 Session Timeout Settings

Only the user with administration authentication can execute the login management.

Here is a way of editing login management.

- (1) Click the login management setting on the login management screen.

Login Management

List	Overview
Login Management Setting	Set session timeout period and forced login options.
Logged in User's List	Force logout.
Login Analysis	Analyze user's login status.

- (2) Set up the session timeout and login overview on the login management setting screen.

Login Management Setting

Session Timeout minutes

Here are the explanations for each setting.

1. Session timeout time setting.

Session Timeout minutes

Here you can set the time for the session timeout. The session timeout period is the time from the user's last operation (involving server access) until its automatic logout. It is recommended for CAT to be less than 60 minutes for the security concern.

Session timeout is over 1 hour. Are you sure you want to set this value?

OK Cancel



2. (The function exclusively in the Download version) Password revision rules. Those settings (such as the word counts, valid period and character type) that related to the password strength.

Minimum Password Length	<input type="text" value="8"/> words
Password Validity Period	<input type="text" value="170"/> days
Password Strength	<input type="checkbox"/> Letters & Numbers Required

※ If you want to change the password strength of the cloud version, please contact support.

8.2 Logged in Users' List

In the logged in user's list, the user can check all information about the logged in users and execute the log out for anyone of them.

- (1) Press the login list.

Login Management

List	Overview
Login Management Setting	Set session timeout period and forced login options.
Logged in User's List	Force logout.
Login Analysis	Analyze user's login status.

- (2) Please review all the logged in user information or execute the log out for anyone if needed on the logged in user's list that contains all users' information.

Logged In User's List

User ID	User Name	User Role	Department	Last Access Time	Force Logout
381	Riku Shomura	Employee		2017-05-02 15:23:27	<button>Execute</button>
15482	Sanketa Pradhan	Employee	HR	2017-05-02 15:00:39	<button>Execute</button>
435	Shruti Khanvilkar	Employee	Admin	2017-05-02 15:20:00	<button>Execute</button>
14920	perftTest1	Employee		2017-05-02 15:42:23	<button>Execute</button>
575	Ishi	Employee		2017-05-02 15:42:13	<button>Execute</button>
15541	priyanjana	Employee		2017-05-02 14:54:02	<button>Execute</button>

8.3 Login Analysis

In the login analysis, the user can check using details with a time line to determine whether to add/less the number of licenses.

This section will be illustrated in the following order.

1. Login analysis access
2. Login analysis operation
3. Utilize the graph
4. How to handle the situation when of too many failed logins

- (1) Login analysis access method.

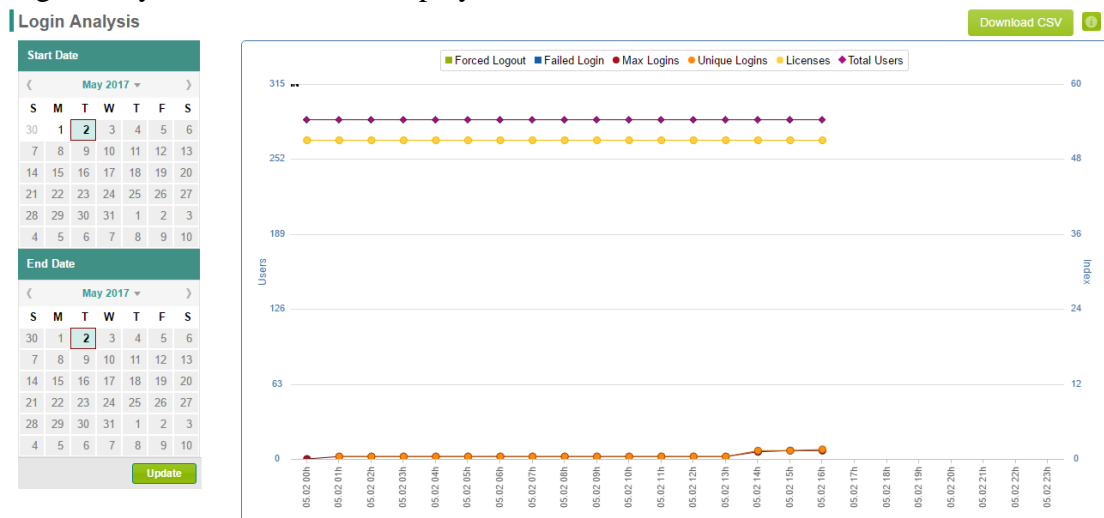
Login analysis screen can be launched with following steps:

- ① Click the Login Analysis on the login management screen.

Login Management

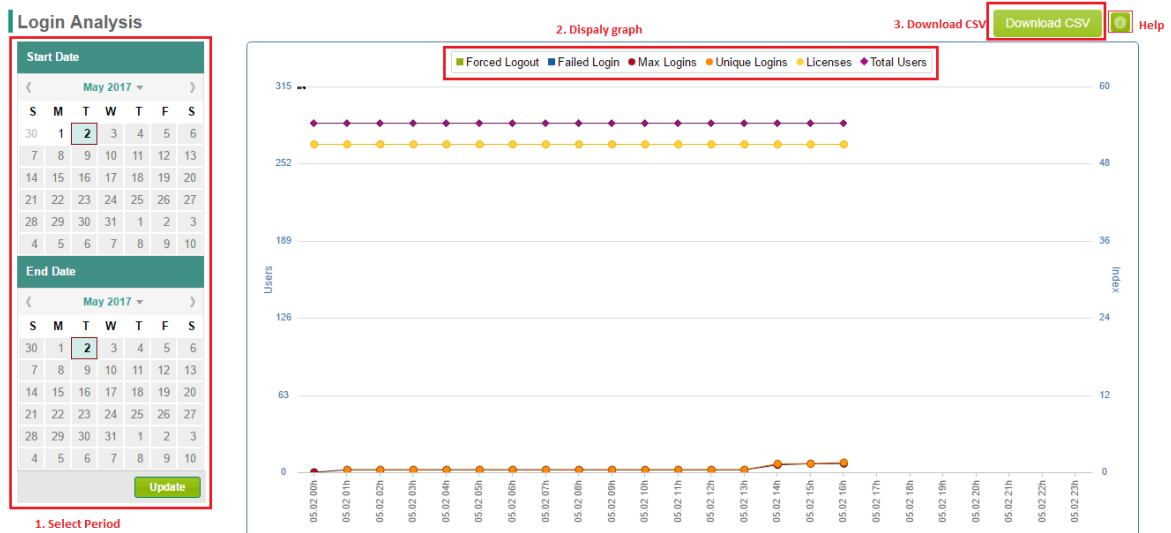
List	Overview
Login Management Setting	Set session timeout period and forced login options.
Logged in User's List	Force logout.
Login Analysis	Analyze user's login status.

② Login analysis screen will be displayed.



(2) Login analysis operations.
Following login analysis operations are executable.

- ① Select the display period
- ② Select the display graph
- ③ Download CSV
- ④ Display information



① Select the display period.

Here explains the selected period first, which can be set up by pressing the update button after selecting the start day and the end day in the calendar. The time length ranges between 1 and 62 days with units as shown in below tables that will be applied automatically.

Range	Unit
1-3 Days	Time Unit Display
4-62 Days	Daily Display

② Select the display graph.

Show/hide each graph by clicking on the corresponding legend.

③ Download CSV.

Download all graph data of the current display period as CSV file.

④ Display information.

Show the help information by clicking the information button and it's possible to check the summary of each graph. Please refer to the next section for more details of graph viewing.

(3) Graph Viewing



Here are explanations for each graph.

① Number of unique users (Orange Line).

A unique number of users logged in within the display time unit.

② Number of licenses (Yellow line).

It is the number of licenses under contract. You cannot register a valid user beyond the number of licenses.

③ Number of Users (Effective User) (Purple Line).

The number of enabled users.

Please refer to the login analysis result etc. and see if there is any additional license needed.