

User Guide

Centralized Test Automation System for

Web Applications

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USER GUIDE for DEFAULT ADMINISTRATOR USER

Once create a database user for CTAS in database server and deploy the testing tool in the administrator's machine according to the installation guide, administrator have to run the testing tool at least one time before open the CTAS to other users.

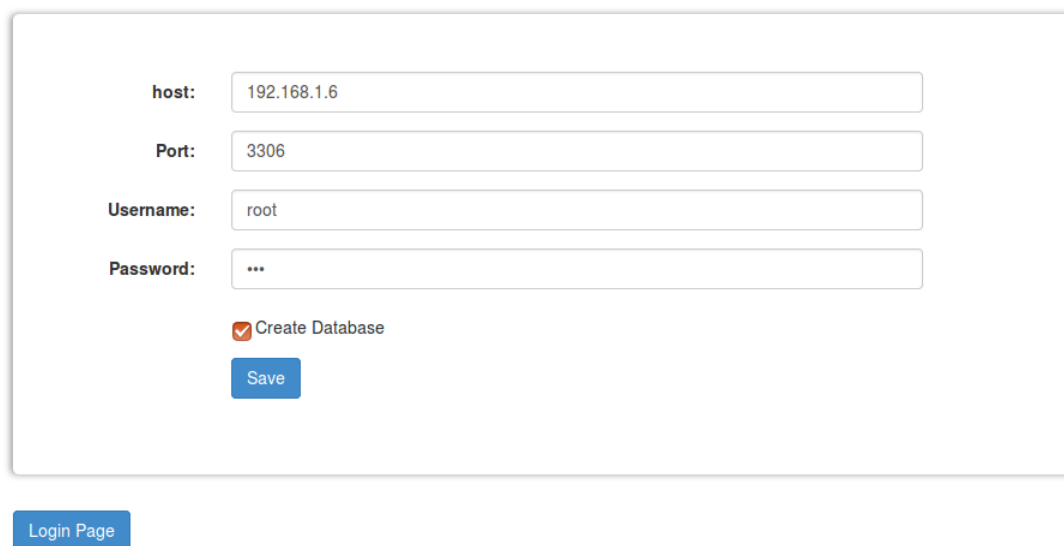
Administrator's first time login will be created the CTAS database and the initial user for the CTAS. After complete this step, administrator can be opened the CTAS to other users. Carefully carry out below steps.

1. Login to CTAS testing tool by using below URL

<http://localhost:8080/ctas/Login.jsp>

User will redirect to the database setting page for the first time login, until database settings are set, user will not be redirected to the login page

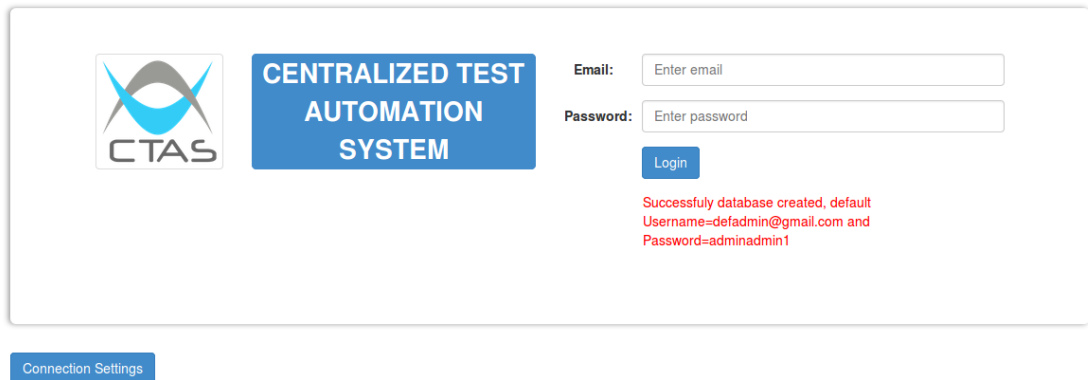
2. fill the required database fields with correct details and put a tick for "Create Database" before hit the save button



The screenshot shows a web form for database configuration. It contains four input fields: 'host:' with the value '192.168.1.6', 'Port:' with '3306', 'Username:' with 'root', and 'Password:' with masked characters '***'. Below these fields is a checkbox labeled 'Create Database' which is checked. A blue 'Save' button is positioned below the checkbox. At the bottom left of the form area, there is a blue button labeled 'Login Page'.

Figure 1 database settings for default admin

User will be gotten this ("Successfully database created, default Username=defadmin@gmail.com and Password=adminadmin1") message after hit the save button, administrator should have to login to the CTAS once and also should be reset the default password.



The screenshot displays the CTAS (Centralized Test Automation System) login interface. On the left is the CTAS logo, and next to it is a blue box with the text "CENTRALIZED TEST AUTOMATION SYSTEM". To the right are input fields for "Email:" and "Password:", each with a placeholder text "Enter email" and "Enter password" respectively. Below these fields is a blue "Login" button. A red success message is displayed below the login button: "Successfully database created, default Username=defadmin@gmail.com and Password=adminadmin1". At the bottom left of the interface is a blue button labeled "Connection Settings".

Figure 2 success message after hit the save button

3. Create level 1, level 2, and level 3 users according to the requirement using admin section

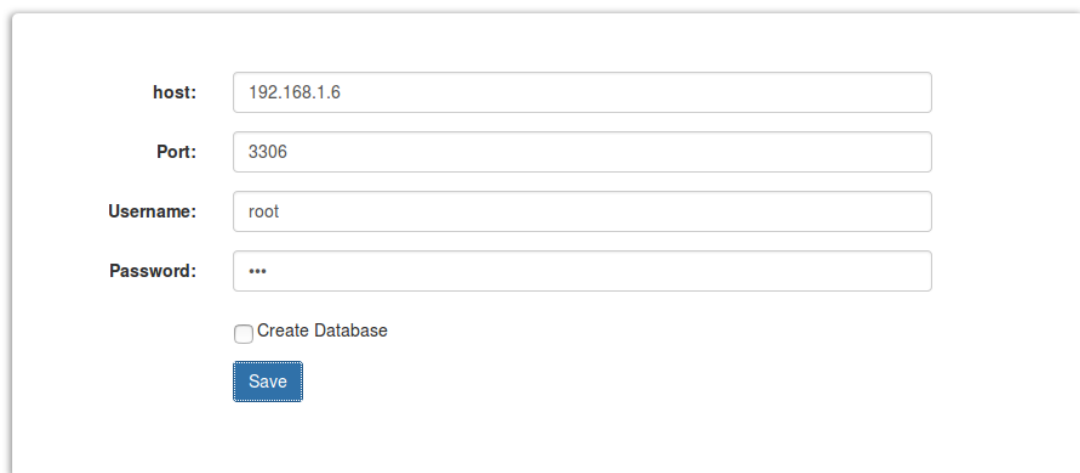
OTHER USERS ROLE

1. Login to CTAS testing tool by using below URL

<http://localhost:8080/ctas/Login.jsp>

User will redirect to the database setting page for the first time login. Until database settings are set, user will not be redirected to the login page.

2. Fill the required database fields with correct details before hit the save button.

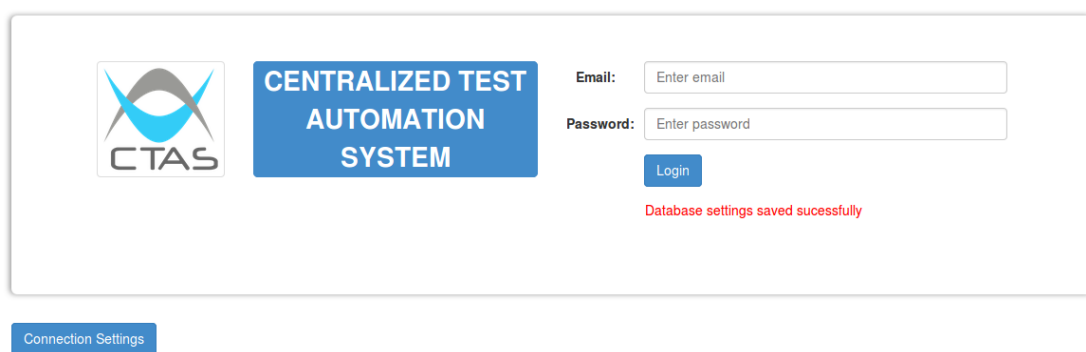


A screenshot of a web form for database settings. It contains four input fields: 'host' with the value '192.168.1.6', 'Port' with '3306', 'Username' with 'root', and 'Password' with three asterisks. Below these fields is a checkbox labeled 'Create Database' which is unchecked. At the bottom of the form is a blue 'Save' button.

Login Page

Figure 3 database settings for other users

User will be gotten this ("Database settings saved successfully ") message after hit the save button. Use username and password to login to the system which given by the administrator.



A screenshot of the login page for the 'CENTRALIZED TEST AUTOMATION SYSTEM'. On the left is the CTAS logo. In the center is a blue box with the system name. On the right are input fields for 'Email' and 'Password', both containing placeholder text. Below these is a blue 'Login' button. A red message 'Database settings saved successfully' is displayed below the login button. At the bottom left is a blue button labeled 'Connection Settings'.

Figure 4 success message after hit the save button

CTAS AVAILABLE SECTIONS WHICH USERS CAN BE PERFORMED

USER MANUAL (recommend to read the user manual section before go to other sections)

CTAS architecture, components, privileges details, module responsibilities etc are described in the user manual section

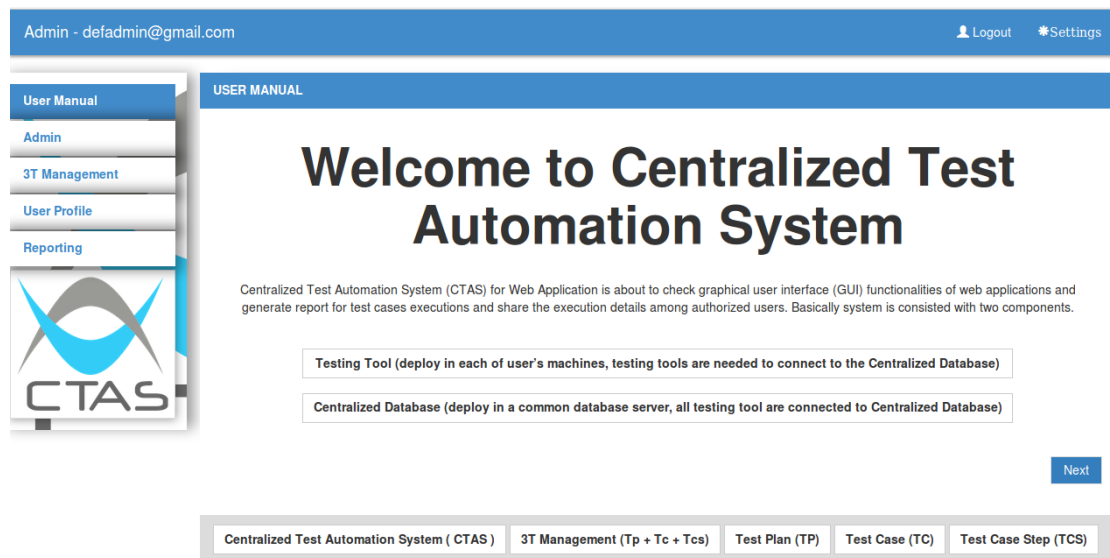


Figure 5 user manual 1

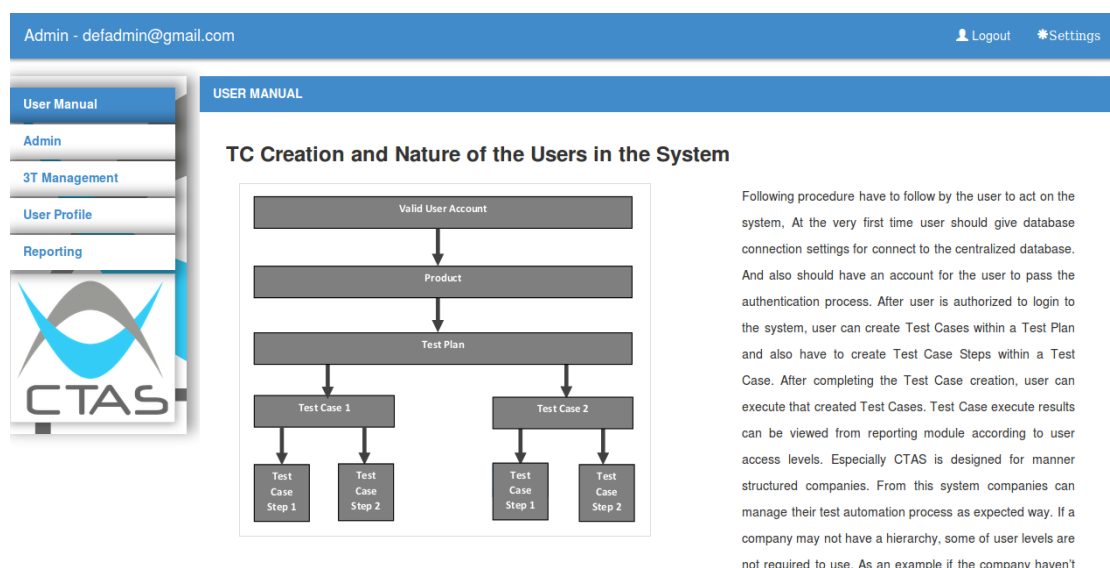


Figure 6 user manual 2

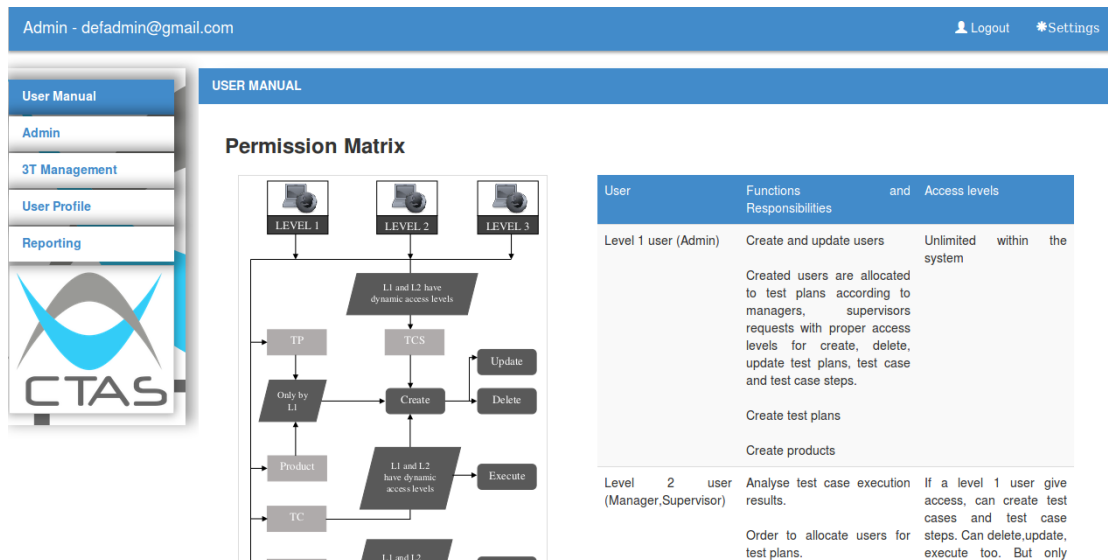


Figure 7 user manual 3

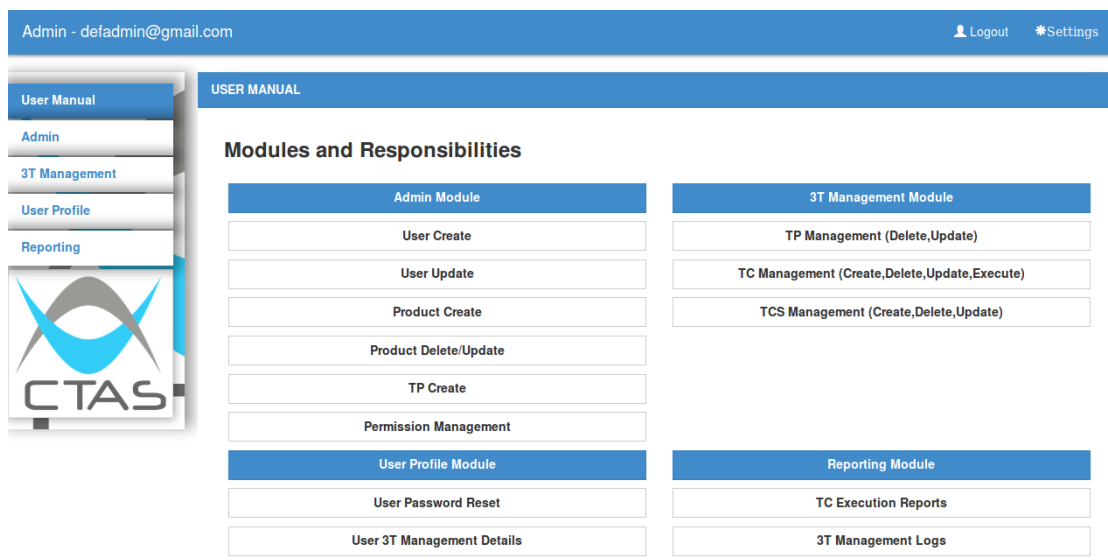


Figure 8 user manual 4

Admin - defadmin@gmail.com
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USER MANUAL

Possible TCS Types

| TCS Number | Type | TCS Type Name | Description | Required Parameters for TCS |
|------------|-------|---------------|----------------------------------------------------------------------|------------------------------------------------------|
| 1 | Open | | open a web page | URL(URL to be open) |
| 2 | Click | | click a element (button, anchor tag, check box etc) | Web Element Type Web Element Value |
| 3 | Input | | input values to elements (text field) | Web Element Type Web Element Value Input Value |
| 4 | Match | | compare actual element value with expected value | Web Element Type Web Element Value Match Value |
| 5 | Wait | | hold the TC execution for a certain time which are given by the user | Wait Time (seconds) |

Figure 9 user manual 5

ADMIN

- User Create

Admin users can create users from here.

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ADMIN - User Create

User Create
User Update
Product Create
Product Delete/Update
TP Create
Permission Management

Email:
Enter Email

Password:
Enter Password

Confirm Password:
Enter Confirm Password

User Type:
Level 3

Save

Centralized Test Automation System (CTAS)
3T Management (Tp + Tc + Tcs)
Test Plan (TP)
Test Case (TC)
Test Case Step (TCS)

Figure 10 user create

- User Update

Admin - defadmin@gmail.com Logout Settings

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ADMIN - User Update

User Create User Update Product Create Product Delete/Update TP Create Permission Management

Email: Search

Centralized Test Automation System (CTAS) 3T Management (Tp + Tc + Tcs) Test Plan (TP) Test Case (TC) Test Case Step (TCS)

Figure 11 user update

- Product Create

Admin - defadmin@gmail.com Logout Settings

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ADMIN - Product Create

User Create User Update Product Create Product Delete/Update TP Create Permission Management

Product Name:

Version:

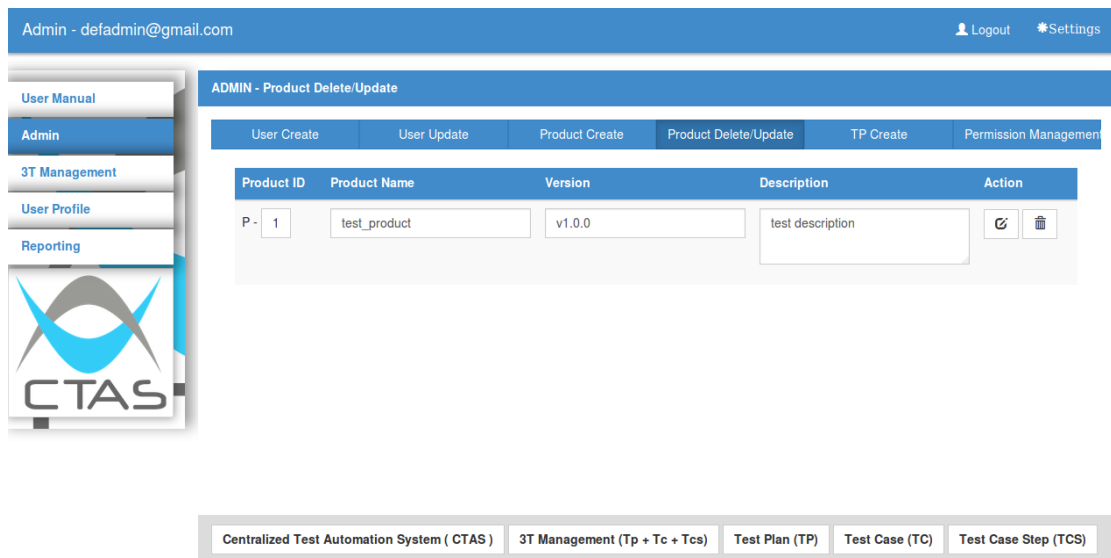
Description:

Create

Centralized Test Automation System (CTAS) 3T Management (Tp + Tc + Tcs) Test Plan (TP) Test Case (TC) Test Case Step (TCS)

Figure 12 product create

- Product Delete/Update



Admin - defadmin@gmail.com Logout Settings

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ADMIN - Product Delete/Update

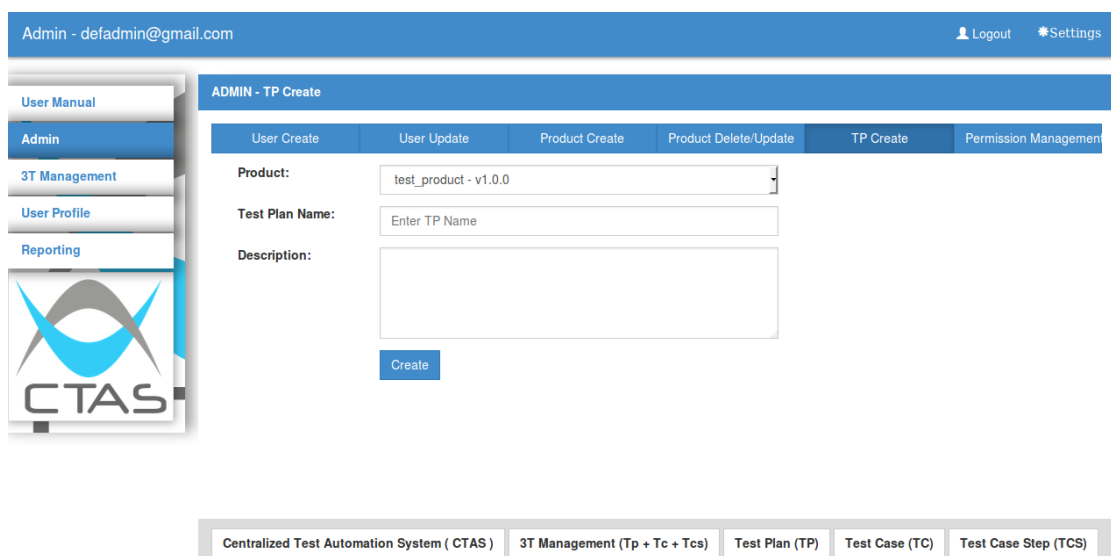
User Create User Update Product Create Product Delete/Update TP Create Permission Management

| Product ID | Product Name | Version | Description | Action |
|------------|--------------|---------|------------------|--------|
| P - 1 | test_product | v1.0.0 | test description | |

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Figure 13 product delete/update

- TP Create



Admin - defadmin@gmail.com Logout Settings

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ADMIN - TP Create

User Create User Update Product Create Product Delete/Update TP Create Permission Management

Product: test_product - v1.0.0

Test Plan Name: Enter TP Name

Description:

Create

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Figure 14 TP create

- Permission Management

Admin - defadmin@gmail.com

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ADMIN - Permission Management

User Create User Update Product Create Product Delete/Update TP Create Permission Management

Username: defadmin1@gmail.com Search

TP/TP ID: TP 1 - test_plan

| Username | TP | User Type | TP Permission | TC Permission | TCS Permission | Status | Action |
|---------------------|------------------|-----------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------|
| defadmin1@gmail.com | TP 1 - test_plan | Level 3 | <input type="checkbox"/> Update <input type="checkbox"/> Delete | <input type="checkbox"/> Execute <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete | <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete | Not allocated | <input checked="" type="checkbox"/> <input type="checkbox"/> |

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Figure 15 permission management

3T MANGEMENT

- TP Management (Delete, Update)

Admin - defadmin@gmail.com

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3T MANAGEMENT - Test Plan Management

TP TC TCS

| TP ID | Product | TP Name | Description | Action |
|-------|-----------------------|-----------|------------------|-----------------------------------------------------------------|
| TP- 1 | test_product - v1.0.0 | test_plan | test description | <input checked="" type="checkbox"/> <input type="checkbox"/> |

Centralized Test Automation System (CTAS) 3T Management (Tp + Tc + Tcs) Test Plan (TP) Test Case (TC) Test Case Step (TCS)

Figure 16 TP management

- TC Management (Create, Delete, Update, Execute)

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3T MANAGEMENT - Test Case Management

TP > TC > TCS

| TP ID | TC ID | TC Name | TC Category | Description | Number of Iteration | Action |
|-------|---------------|---------|-------------|-------------|---------------------|--------|
| 1 | Auto Generate | | Default | | 1 | + |

TP- 1 TC- 1 test case 1 Default TC description 1 ▶ ✎ 🗑

Centralized Test Automation System (CTAS) 3T Management (Tp + Tc + Tcs) Test Plan (TP) Test Case (TC) Test Case Step (TCS)

Figure 17 TC management

- TCS Management (Create, Delete, Update)

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3T MANAGEMENT - Test Case Steps Management

TP > TC > TCS

| TP ID | TC ID | TCS ID | Order Number | TCS Type | TCS Name | Pass/Fail | Action |
|-------|-------|---------------|---------------|----------|----------|--------------------------|--------|
| 1 | 1 | Auto Generate | Auto Generate | Open | | <input type="checkbox"/> | + |

URL :

TP- 1 TC- 1 TCS- 1 1 Open open url ☒ ✎ 🗑

URL :

TP- 1 TC- 1 TCS- 2 2 Is Redirected tcs should be passed if the user is this ☒ ✎ 🗑

Figure 18 TCS management


USER PROFILE

- User Password Reset
- User 3T Management Details

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USER PROFILE - My Profile


defadmin@gmail.com
Level 1 - Admin

Current Password:
Enter Current Password

Password:
Enter Password

Confirm Password:
Enter Confirm Password

[Reset Password](#)

My 3T Management Details

| TP | TP Permission | TC Permission | TCS Permission | Status |
|------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------|
| TP 1 - test_plan | <input checked="" type="checkbox"/> Update <input checked="" type="checkbox"/> Delete | <input checked="" type="checkbox"/> Execute <input checked="" type="checkbox"/> Create <input checked="" type="checkbox"/> Update <input checked="" type="checkbox"/> Delete | <input checked="" type="checkbox"/> Create <input checked="" type="checkbox"/> Update <input checked="" type="checkbox"/> Delete | Allocated |

Figure 19 password reset and 3T management details for the user

REPORTING

- TC Execution report

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REPORTING - Test Case Execution

[TC Execution](#) [3TManagement Logs](#)

[TP](#) [TC](#) [TCS](#)

| TP ID | TC ID | TC Name | TC Category | Description | Number of Iterations | Recent TC Execution Status | Other TC Execution Status |
|-------|-------|-------------|-------------|----------------|----------------------|----------------------------|---------------------------|
| TP- 1 | TC- 1 | test case 1 | Default | TC description | 1 | 2: FAILED | 1: PASSED |

Centralized Test Automation System (CTAS) > 3T Management (Tp + Tc + Tcs) > Test Plan (TP) > Test Case (TC) > Test Case Step (TCS)

Figure 20 TC execution summary

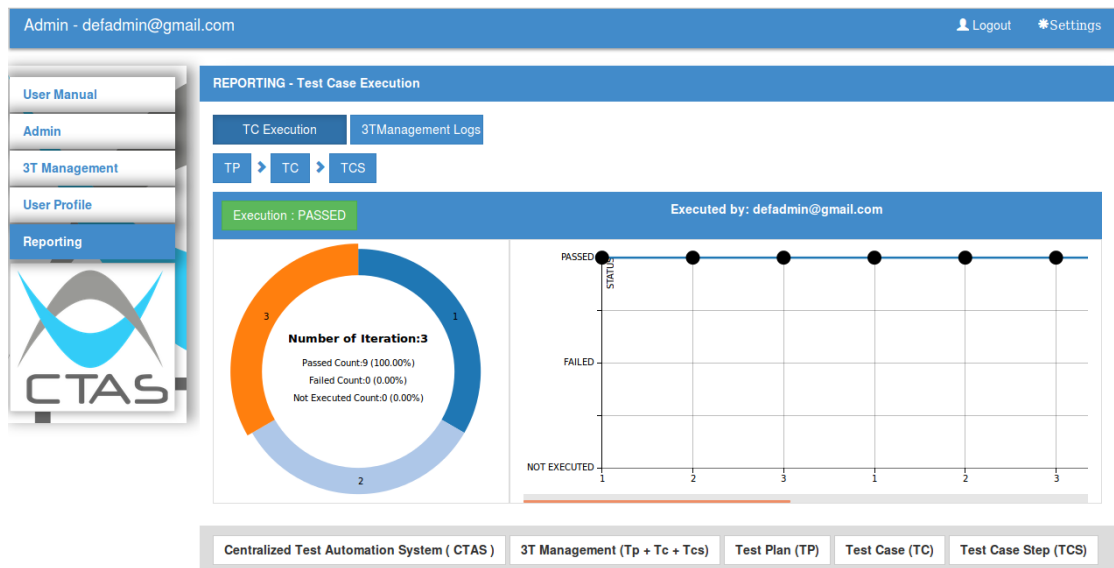


Figure 21 filter one iteration details of a TC execution from pie chart

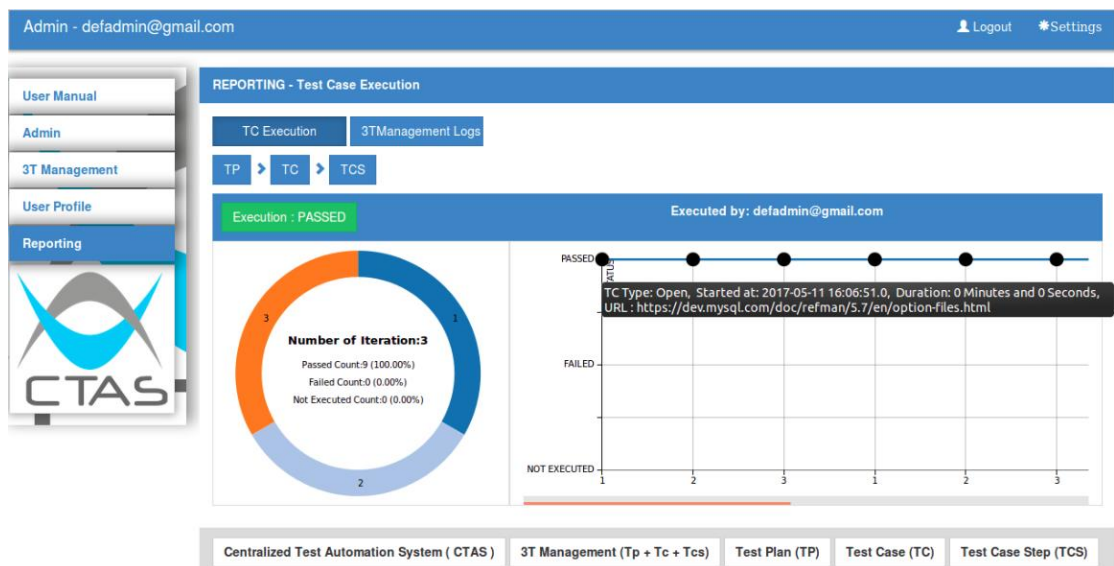



Figure 22 comprehensive details for TCS when mouse over in line chart

- 3T Management Logs

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REPORTING - 3TManagement TC Logs

TC Execution
3TManagement Logs

TP
TC
TCS

| Log ID | TCS ID | User | Log Date Time | Action |
|--------|--------|--------------------|-----------------------|--------|
| 5 | 3 | defadmin@gmail.com | 2017-05-11 16:05:02.0 | Delete |
| 4 | 4 | defadmin@gmail.com | 2017-05-11 15:33:35.0 | Create |
| 3 | 3 | defadmin@gmail.com | 2017-05-11 15:33:19.0 | Create |
| 2 | 2 | defadmin@gmail.com | 2017-05-11 15:32:43.0 | Create |
| 1 | 1 | defadmin@gmail.com | 2017-05-11 15:31:49.0 | Create |

Centralized Test Automation System (CTAS)
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Test Case (TC)
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Figure 23 TCS management log details