



Vodafone Capacity Management Tool

User Guide

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Documentation Updates

<i>Date of Issue</i>	<i>Guide Version</i>	<i>Software Version</i>
23/5/2013	1.0	

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PREFACE

Vodafone Egypt has grown over the years to become the leading mobile operator in Egypt, not only in revenue share but also in customer base. To sustain this market leadership, Vodafone Engineers work restlessly to ensure top-notch services and to provide secure and easily accessible enterprise services for the customers.

Vodafone Capacity Management Tool enables users to collect data from the different systems to monitor the network performance in order to optimize it or to handle any issues discovered.

This guide helps the tool administrators and users. It shows how to manage the tool features.

The tool's administrators are responsible for managing user accounts and level of access, managing data collections and jobs. The users are responsible for some data collection and reporting functions.

Who Should Use This Guide

This guide helps Vodafone Capacity Management Tool users and Administrators manage data collections and system events and notifications to achieve better use of different systems' data.

How This Guide Is Organized

The guide is composed of few chapters explaining Vodafone Capacity Management tool's different operations and includes some hints for a satisfactory user experience.

<i>Chapter Name</i>	<i>Definition</i>
Accessing Vodafone Capacity Management Tool	It explains how to access Vodafone Capacity Management Tool.
Managing Users	It explains how Vodafone Capacity Management Tool administrators can manage user accounts easily.
Managing Log	It explains the how to manage display logs and manage log notification lists.
Managing Data Collections	It explains the use of the Data Collections and how to manage them.
Managing Data Collections Systems	It explains how to manage Data Collection Systems.
Managing Data Collections jobs	It explains how to manage Data Collection Jobs and run them out of schedule if needed.
Managing System Events	It explains managing a calendar of system events for reference on data analysis.
Managing KPI Notifications	It explains managing KPI Notifications and setting thresholds for them.

Document Conventions

In order to help you understand this guide thoroughly, the following table describes the different styles and conventions used throughout the guide.

<i>Convention</i>	<i>Description</i>	<i>Example</i>
Bold	Represents: <ul style="list-style-type: none">Names of user interface elements such as names of buttons, dialog boxes, lists, menus, tabs, sections, etc.User input such as text the user types in a box.	Password
<i>Bold Italic</i>	Represents actions or words emphasized upon.	<i>please proceed as follows</i>

Terms and Definitions

The aim of this section is to illustrate all terms that might seem ambiguous or confusing. The terms listed here are used extensively throughout the user guide, and it is strongly recommended that you read these terms thoroughly before you read the chapters' content. Always refer to the following table when you encounter an unfamiliar term.

<i>Term</i>	<i>Definition</i>
KPI	Key Performance Indicator

INTRODUCTION

Vodafone Capacity Management Tool is a smart web application that collects data from different systems for further analysis and reporting, the users can enjoy its features through logging on. Clicking each link of the different modules that appear on the **Home Page** takes you to the module's main page from which you can interact with and utilize its functionality.

NOTE

Clicking the top part of all the tool pages of takes you to the **Home Page**.



Figure 1: Vodafone Capacity Management Tool Home Page

Log On

To Log On to Vodafone Capacity Management Tool, please proceed as follows:

1. Type your **Username** and **Password**
2. Click **Login**.

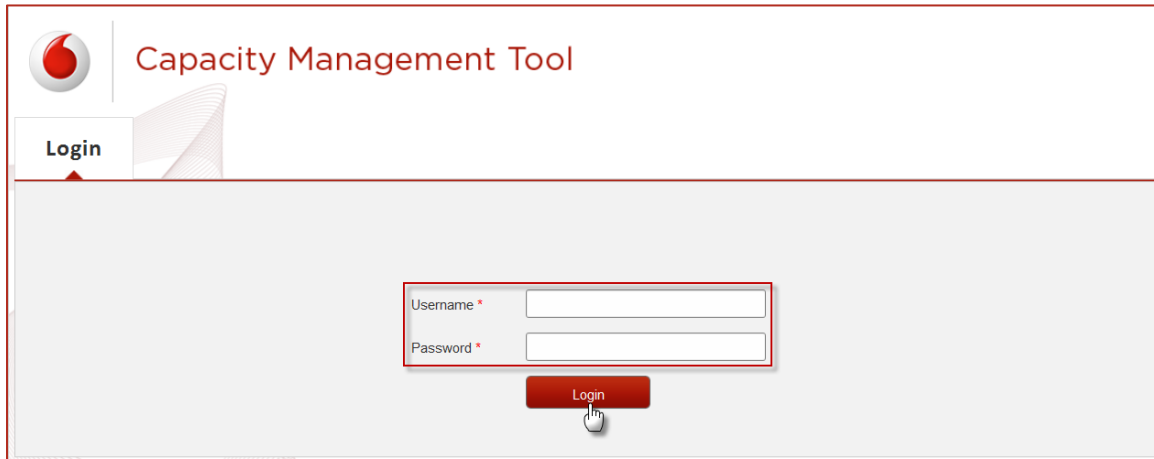
The screenshot shows the login interface of the Vodafone Capacity Management Tool. At the top left is the Vodafone logo, followed by the text "Capacity Management Tool". Below this, on the left, is a "Login" button. The main area contains a login form with two input fields: "Username *" and "Password *". Below these fields is a red "Login" button. A mouse cursor is pointing at the "Login" button. The entire interface is enclosed in a red border.

Figure 2: Vodafone Capacity Management Tool Login

First Time Log On

- After logging on to Vodafone Capacity Management Tool for the first time, a page appears prompting you to enter a new password.

If it is your first time to Log On to Vodafone Capacity Management Tool, please proceed as follows:

1. In **Old Password** field, enter the password that you have already used for login.
2. In **New Password** field, enter the new password.
3. In **Re-enter your New Password** field, enter the new password again.

NOTE

- The **New Password** must be composed of numbers and characters with minimum length of 6.
- The passwords entered in **New Password** and **Re-enter your New Password** fields must be identical.

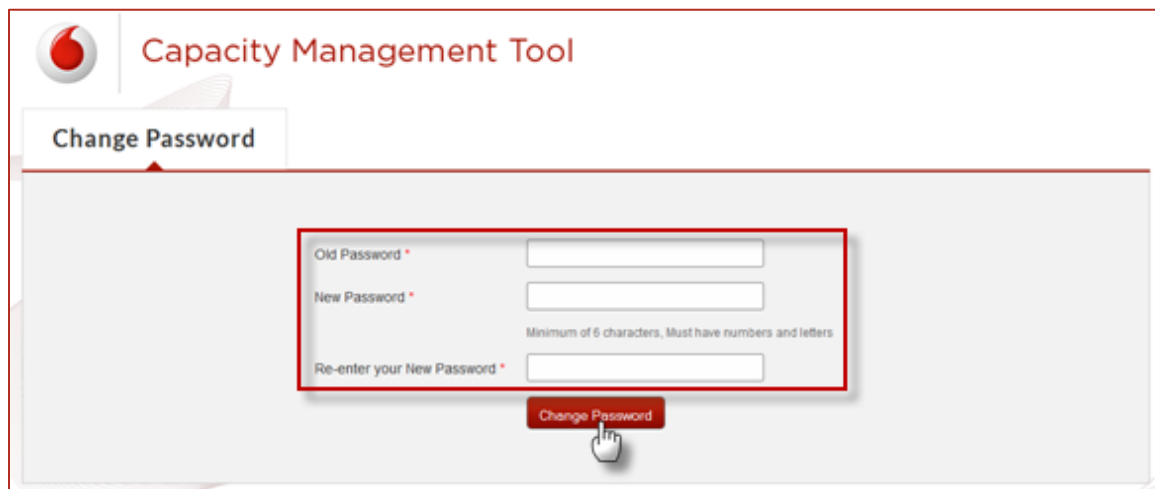
The screenshot shows the 'Change Password' interface of the Vodafone Capacity Management Tool. At the top left is the Vodafone logo, followed by the title 'Capacity Management Tool' in red. Below this is a 'Change Password' button. The main form area contains three input fields: 'Old Password *', 'New Password *', and 'Re-enter your New Password *'. A red rectangular box highlights these three fields. Below the 'New Password' field, there is a small text requirement: 'Minimum of 6 characters. Must have numbers and letters'. At the bottom of the form is a red 'Change Password' button with a mouse cursor pointing at it.

Figure 3: First Time Login

Log Out

To Log On to Vodafone Capacity Management Tool, please proceed as follows:

1. Click **Logout** at the top right corner of any page of the tool.

MANAGING USERS

The User Management Module enables the tool administrators to list, add, edit, and delete user accounts.

Displaying Users

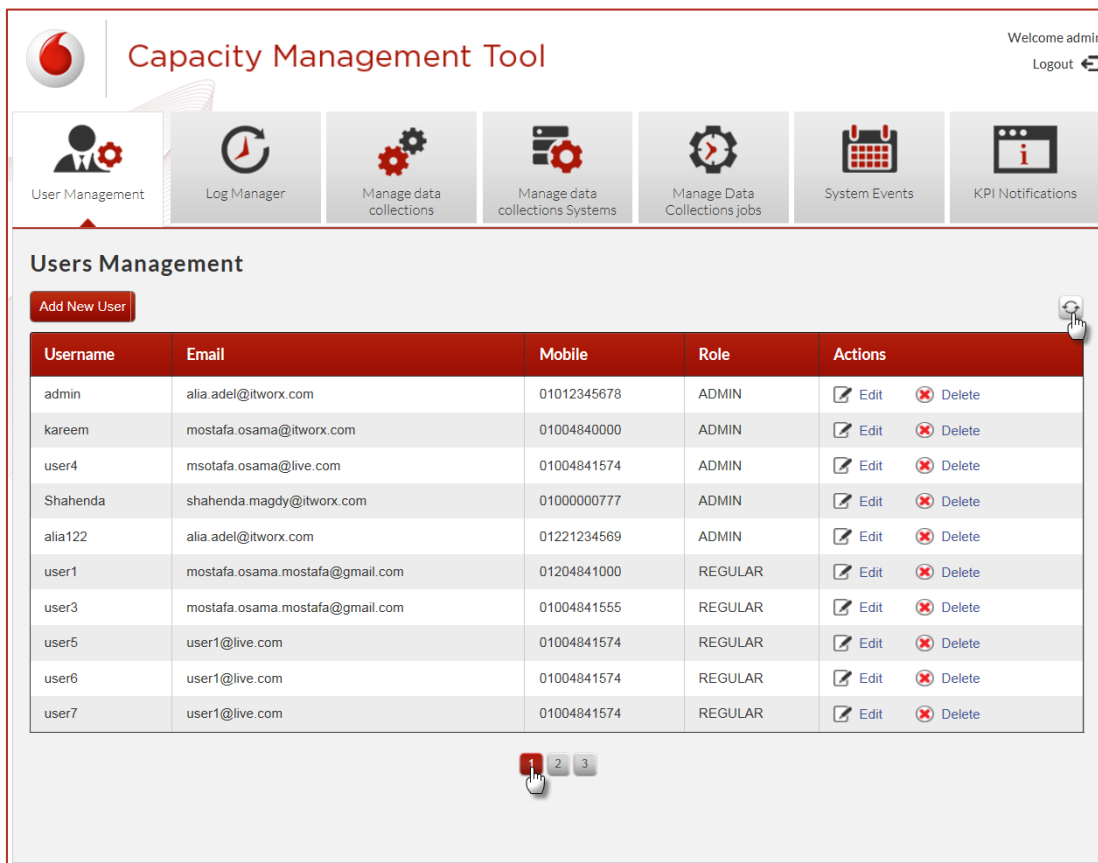
To display a list of Vodafone Capacity Management Tool Users, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **User Management** icon.

A page appears displaying a list of all the tool users.

NOTE	<ul style="list-style-type: none"> • The tool provides handy pagination features for large user sets (five or more pages). • You can jump within the many pages by clicking First, Previous, Next, Last or the page number below the list
-------------	---

3. To refresh the users' list, click the **Refresh** button  right above its top right corner.



Capacity Management Tool

Welcome admin
Logout

User Management Log Manager Manage data collections Manage Data Collections Systems Manage Data Collections jobs System Events KPI Notifications

Users Management

Add New User

Username	Email	Mobile	Role	Actions
admin	alia.adel@itworx.com	01012345678	ADMIN	Edit Delete
kareem	mostafa.osama@itworx.com	01004840000	ADMIN	Edit Delete
user4	msotafa.osama@live.com	01004841574	ADMIN	Edit Delete
Shahenda	shahenda.magdy@itworx.com	01000000777	ADMIN	Edit Delete
alia122	alia.adel@itworx.com	01221234569	ADMIN	Edit Delete
user1	mostafa.osama.mostafa@gmail.com	01204841000	REGULAR	Edit Delete
user3	mostafa.osama.mostafa@gmail.com	01004841555	REGULAR	Edit Delete
user5	user1@live.com	01004841574	REGULAR	Edit Delete
user6	user1@live.com	01004841574	REGULAR	Edit Delete
user7	user1@live.com	01004841574	REGULAR	Edit Delete

1 2 3

Figure 4: Display user accounts

Adding New User

To Add a New User, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **User Management** icon.

A page appears displaying a list of all the tool users.

3. In the top left part of **Users Management** page, click **Add New User**.
4. In the **Add New User** page, fill in the fields with the user details, then click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new User.
-------------	--



The screenshot shows the 'Capacity Management Tool' interface. At the top, there's a header with the Vodafone logo and the title 'Capacity Management Tool'. Below the header, there are four main navigation icons: 'User Management' (highlighted with a red arrow), 'Log Manager', 'Manage data collections', and 'Manage data collections Systems'. The 'Add New User' form is displayed below the navigation bar. It contains the following fields: 'Name *', 'E-Mail', 'Mobile', 'Password *', 'Retype Password *', and 'Role *'. The 'Password *' field has a note below it: 'Minimum of 6 characters, Must have numbers and letters'. The 'Role *' field is a dropdown menu with 'Select Role' as the current selection. At the bottom of the form, there are two buttons: 'Save' (highlighted with a red arrow) and 'Cancel'.


Figure 5: Add New User

Editing a User

To Edit a User, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **User Management** icon.

A page appears displaying a list of all the tool users.

3. In the **Actions** column of the users' list, click **Edit** .

A new window with the details of the selected User appears.

4. Change the desired fields, then to save the changes, click **Save**.

NOTE

The fields with asterisks (*) are mandatory to edit the User.



The screenshot shows the 'Capacity Management Tool' interface. At the top, there's a navigation bar with four icons: 'User Management' (selected), 'Log Manager', 'Manage data collections', and 'Manage data collections Systems'. Below this is the 'Edit User' form. The form contains several input fields: 'Name *' with the value 'admin', 'E-Mail' with 'alia.adel@itworx.com', 'Mobile' with '01012345678', 'Password *' (empty), 'Retype Password *' (empty), and 'Role *' with a dropdown menu showing 'ADMIN'. A note below the password fields states 'Minimum of 6 characters, Must have numbers and letters'. At the bottom of the form are 'Save' and 'Cancel' buttons. A mouse cursor is pointing at the 'Save' button.


Figure 6: Edit a user

Deleting a User

To Delete a User, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **User Management** icon.

A page appears displaying a list of all the tool users.

3. In the **Actions** column of the users' list, click **Delete** .
4. On the pop-up confirmation dialogue, click **Confirm** to confirm the user deletion.

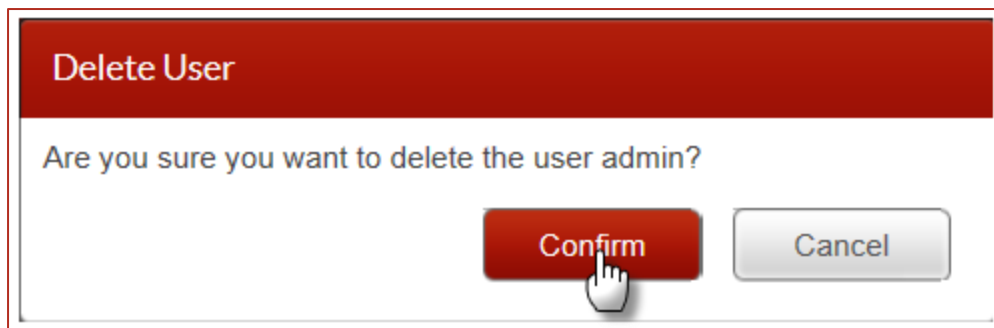


Figure 7: Confirm deleting a user

MANAGING LOGS

The Log Manager module enables users to display logs. It also enables the administrator to manage notification lists for each error code resulted from a specific node associated to a system.

Displaying Logs

To Display a Log, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Log Manager** icon.
3. In **Select System** text box, type the name of the system you want.
4. From **Log Type** radio buttons, select the type.
5. In **From** field, select the log starting date.
6. In **To** field, select the log ending date.
7. Click **Display Log**.

Capacity Management Tool

Welcome admin
Logout

User Management Log Manager Manage data collections Manage data collections Systems Manage Data Collections jobs System Events KPI Notifications

Log Manager
Display Log | [Manage Log Notifications list](#)

Filter Logs

Select System * 123_

Log Type * 123_ABC/2[a]y' Error

Date * From To

Display Log

No results found

May 2013

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Figure 8: Display Log

Managing Logs Notifications List

To Manage a Log Notifications List, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Log Manager** icon.
3. Click **Manage Log Notifications List**.

Manage Notifications List page appears.

4. In **Select System** text box, type the name of the system you want.
5. From **Error Code** drop-down list, select the code you want.
6. Click **Manage Users List**.

A prompt to add a new user and a list of the users configured for the selected system appears.

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Logout

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Log Manager
[Display Log](#) | [Manage Log Notifications list](#)
Manage Notification List

System Name * VPN_XML
 Error Code List * All

Manage Users List

Add User

User Type * ☒ Existing user ☐ External user
 Username *
 Email
 Mobile
 Notify By * ☐ Email ☐ SMS
 Add To Selected Users

Selected Users
 Delete Selected

	Username	Email	Mobile Number	Notify By	Actions
<input type="checkbox"/>	mostafa	mostafa.osama@itworx.com	01004841574	<input checked="" type="checkbox"/> Email <input type="checkbox"/> SMS	Edit Delete

Figure 9: Manage Log Notifications List

Adding a User to a Log Notifications List

To Add a User to a Log Notifications List, please proceed as follows:

1. In the **Add User** web part, enter the details of the user you want to add.
2. From **User Type** radio buttons, select the type.
3. In the **Username** text field, type the username,
 - 3.1. If you selected **Existing user**, the tool autocompletes the name,
 - 3.1.1. After selecting the name, the tool retrieves the other **Email** and **Mobile** that you can edit.

Or

- 3.2. If you selected **External user**,
 - 3.2.1. In **Username** field, type the name.
 - 3.2.2. In **Email** and **Mobile** fields, type the values.
4. From **Notify By**, select **Email** and/or **SMS** check boxes.

NOTE

The fields with asterisks (*) are mandatory to add a user.

5. Click **Add to Selected Users**.


The screenshot shows a web form titled "Add User". It contains the following elements:

- User Type ***: Two radio buttons, "Existing user" (selected) and "External user".
- Username ***: A text input field containing "ad" with a search icon on the right.
- Email**: A text input field containing "admin".
- Mobile**: An empty text input field.
- Notify By ***: Two checkboxes, "Email" and "SMS", both of which are unchecked.
- Add To Selected Users**: A red button at the bottom of the form.

Figure 10: Add user to a Log Notifications List

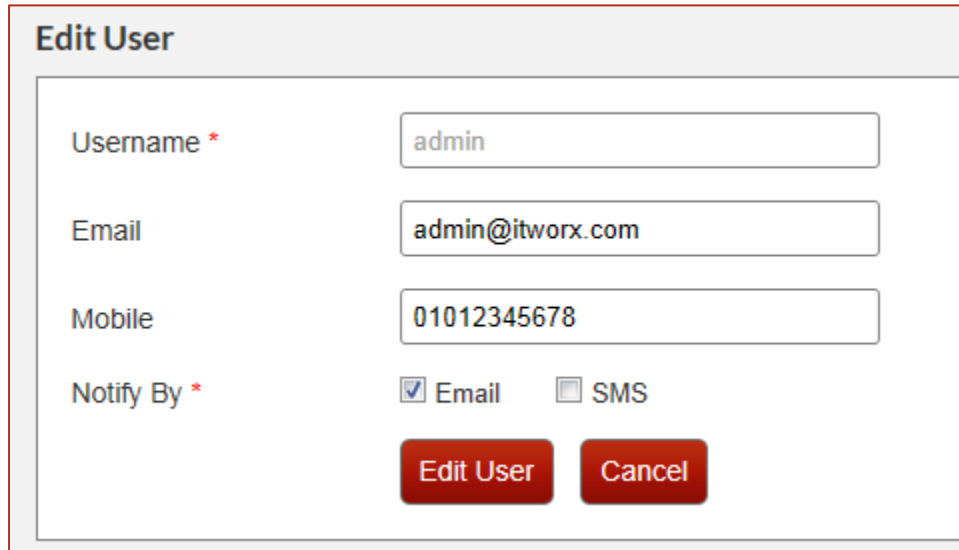
Editing a User from a Log Notifications List

To Edit a User from a Log Notifications List, please proceed as follows:

1. In the **Actions** column of the selected users' list, click **Edit** .
2. Edit the desired fields of the user details.

NOTE	The fields with asterisks (*) are mandatory to edit a user.
-------------	---

3. To save the changes, click **Edit User**.



Edit User

Username *

Email


Mobile

Notify By * ☒ Email ☐ SMS

Figure 11: Edit user from a Log Notifications List.

Deleting a User from a Log Notifications List

To delete a user from a Log Notifications List, please proceed as follows:

1. In the **Actions** column of the selected users' list, click **Delete** .
2. To delete multiple users,
 - 2.1. In the **Selected users'** list, select the check box next to each user you want.
 - 2.2. Above the **Selected Users'** list, click **Delete Selected**.

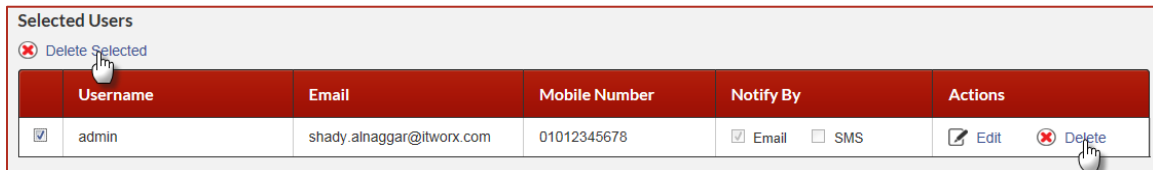


Figure 12: Delete a user from a Log Notifications List.

3. On the pop-up confirmation dialogue, click **Confirm** to confirm the user deletion from the list.

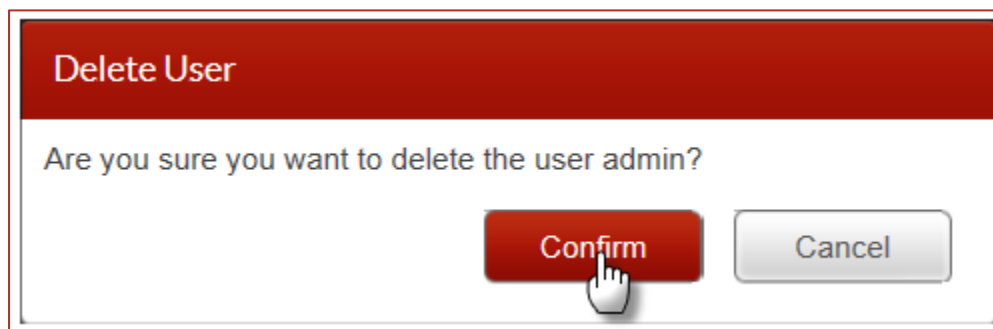


Figure 13: Confirm deleting a user from a List of Log Notifications.

MANAGING DATA COLLECTIONS

The Manage Data Collections module enables administrators to configure new Systems, Edit existing systems configurations and delete systems.


Displaying Data Collections

To Display list of Vodafone Capacity Management Tool Data Collections, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections** icon.

A page appears displaying a list of all the tool data collections.

NOTE	Atop the data collections list, the tool displays the total number of rows included.
-------------	--

3. Enter the number of rows you want to display on the page and click the **Refresh** button .

NOTE	<ul style="list-style-type: none">• The tool provides handy pagination features for large user sets (five or more pages).• You can jump within the many pages by clicking First, Previous, Next, Last or the page number below the list
-------------	--

Searching for Data Collection

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections** icon.
3. In **Data Collection Name** field, type the name you want to search.
4. Click **Search**.

A list of Data Collections matching the typed name appears.

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Manage Data Collections

Define Data Collections

Search Data Collections

Data Collection Name

Search

Search Data Collections

Total number of rows: 166, Display 5 per page

Data Collection Name	Actions
DCT1	Edit Delete
DCT2	Edit Delete
DCT10	Edit Delete
CSVTest	Edit Delete
D1	Edit Delete

FIRST PREVIOUS 1 2 3 4 5 6 7 8 9 10 NEXT LAST

Page 1/34

Figure 14: Display and Search Data Collections.

Defining a New Data Collection: Wizard

To Define a New Data Collection, please proceed as follows:

1. Log On as an Administrator.
2. Click **Manage Data Collections** Icon on the Home Page.
3. Click **Define Data Collections**.
4. A new page appears with the wizard **Define Data Collections**.
5. From **Select Data Collection Type** drop-down list, select the type you want.
6. In **Data Collection Name** text field, type a new name.

NOTE

- The **Define Data Collection** wizard is specific to the data collection type.
- In **Step1: Select Data Collection Type** drop-down list, the available options that change the wizard are:
 - [Text](#)
 - [XML](#)
 - [Database](#)

Define Data Collection Wizard for Text/XML Type

The steps from the third to the sixth are common for Text and XML Data Collection types.

Step 2 for Text/XML type

Step 2: Extract Source Columns for Text

1. In **Upload File** text field, click **Browse** to locate the file.

NOTE

- The valid file types to upload are only text (.txt) or comma separated files (.csv)
- The file size cannot exceed 4 MB.

2. Click **Upload**.
3. In **Sample Lines** text area appear some lines from the beginning of the file to view its structure.
4. From **Delimiter** drop-down list, select the delimiter.
5. In **Ignore Lines** text box, type the lines you want to ignore on collecting data from the file.
6. From **Headers usage** radio button, select the desired option.

NOTE

The fields with asterisks (*) are mandatory.

7. To go to the next step, click **Next**.

NOTE

- You can go to the previous step by clicking **Back**.
- You can exit the wizard by clicking **Cancel**.

Define Data Collections

Steps

1. Data Collection Type
- 2. Extract Source Data**
3. Define Plain Columns
4. Define SQL Columns
5. Define Output Table
6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test_Text**

Extract source Data

Instructions [-] Hide

Please upload a sample file and configure data extraction parameters.

Upload file * **Browse**

Type must be either txt or csv, size must not be larger than 4 MB

Upload

Sample Lines

```

Ahmed,Abd Al Fattah,,,
Ahmed,Abd Al Samad,,,1114227004
Ahmed,Abd El Fattah,Mar El
Qavis,,itsponsor@gmail.com,1005570006
Ahmed,Abd,Gawwad,,,1006541730
Ahmed,Abd El Khalek,,ahmad_abdelkhalek@hotmail.com,
Ahmed,Abd El Nasser,,,1001631605
Ahmed,Abd El Samad,

```

Delimiter * Dot "."

Ignore lines

Headers usage * ☒ Do not use headers ☐ Use headers now only ☐ Use headers always

Hint

The tool extracts all the data from the file based on the fact that it has no header line.

Back **Cancel** **Next**

Figure 15: Define Text Data Collection Wizard - Extract Source Data.

Step 2: Extract Source Columns for XML

1. Select the XML data collection structure reference from **XML Complexity** radio button,
 - 1.1. The tool maps user-defined XML schema when you select **Simple**,
 - 1.1.1. In **Upload File** text field, click **Browse** to locate the file.

NOTE

- The valid file type to upload is only XML (.xml)
- The file size cannot exceed 4 MB.

- 1.1.2. Click **Upload**.

When you upload the file, a success message appears on the wizard page.

NOTE

The fields with asterisks (*) are mandatory.

Define Data Collections

Steps

1. Data Collection Type
- 2. Extract Source Columns for XML**
3. Define Plain Columns
4. Define SQL Columns
5. Define Output Table
6. Define Data Collection Mapping

Data Collection Type: **Xml** Generic Process Name: **Test_XML1**

Extract Source Columns for XML

Instructions [-] Hide
Please upload a sample file and configure data extraction parameters. The file should have a single level of nesting tags.

XML Complexity * ☒ Simple ☐ Vendor Specific

Upload file * **Browse**

Type must be xml, size must not be larger than 4 MB

Upload **Back** **Cancel** **Next**

Figure 16: Define XML Data Collection Wizard - Extract Source Columns for Simple XML

Or

- 1.2. The tool uses vendor-provided converters to map their proprietary schemas when you select **Vendor Specific**,
 - 1.2.1. From **Vendor Specific Name** drop-down list, select the vendor.
 - 1.2.2. From **Vendor Specific Converter Name** drop-down list, select the converter.

NOTE

- The current version of the tool supports only **Ericsson** XML converters.
- The fields with asterisks are mandatory.

Figure 17: Define XML Data Collection Wizard - Extract Source Columns for Vendor Specific XML

2. To go to the next step, click **Next**.

NOTE

- You can go to the previous step by clicking **Back**.
- You can exit the wizard by clicking **Cancel**.

Step 3: Define Plain columns

The columns extracted from the sample file uploaded in the previous step appear in this step page.

NOTE	Only for the Vendor Specific complexity for XML Data Collection, you work on columns with reference to the selected converter.
-------------	---

1. Under **Extracted Columns**, click any row to make its fields editable and edit as you want.

Define Data Collections

Steps

1. Data Collection Type
2. Extract source data
- 3. Define Plain Columns**
4. Define SQL Columns
5. Define Output Table
6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test**

Define Plain columns

Instructions [-] Hide

Extracted Columns (5)

	Sample Value	Name	Type	Default Value
<input type="checkbox"/>		First_Name	String	
<input type="checkbox"/>		Last_Name	String	
<input type="checkbox"/>		Birthday	String	
<input type="checkbox"/>		Email	String	
<input type="checkbox"/>		Mobile_Phone	String	

☐ Use date column

Back Cancel Next

Figure 18: Define Text/XML Data Collection Wizard - Define Plain Columns (Select Attributes to Edit).

2. Select **Use Date Column** check box to filter the records you are going to extract by a specific date.
 - 2.1. In **Date Column Name** text field, type the name of the column the tool is going to check on extracting data for the date.

NOTE	You should select a column of type Date for Date Column.
-------------	---

3. Select the check box next to any of the displayed columns to include in the extraction.

NOTE	You should select at least one column to complete the wizard.
-------------	---

4. To go to the next step, click **Next**.

NOTE

- You can go to the previous step by clicking **Back**.
- You can exit the wizard by clicking **Cancel**.

Define Data Collections

Steps

1. Data Collection Type
2. Extract source data
- 3. Define Plain Columns**
4. Define SQL Columns
5. Define Output Table
6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test**

Define Plain columns

Instructions [-] Hide

Extracted Columns (5)

	Sample Value	Name	Type	Default Value
<input type="checkbox"/>		First_Name	String	
<input type="checkbox"/>		Last_Name	String	
<input type="checkbox"/>		<input type="text" value="Birthday"/>	Date <input type="text" value="dd/mm/yyyy"/>	<input type="text"/>
<input type="checkbox"/>		Email	String	
<input type="checkbox"/>		Mobile_Phone	String	

☒ Use date column

Data column name



Figure 19: Text/XML Data Collection Wizard - Define Plain Columns (Edit Attributes).

Step 4: Define SQL Columns

In this step of the wizard, you can add SQL columns to manipulate the data you are going to extract. The columns selected in the previous step appear in the table entitled **Selected Extracted Columns**.

1. Click **Add Column**.

A new set of fields appears above the button where you can input the new column attributes and the SQL Expression.

2. In **WHERE clause**, **GROUP BY clause**, and **HAVING clause** type the conditions for your SQL statement.
3. Click **Update**  to save or **Cancel**  to ignore.

NOTE	<ul style="list-style-type: none">• The SQL Expression syntax is with reference to Oracle SQL.• You can add none, one, or more SQL columns.
-------------	--

4. To go to the next step, click **Next**.

NOTE	<ul style="list-style-type: none">• When you click Next, the tool verifies the input SQL expression.• If there are any problems with the SQL expression you input, the tool views a SQL Error message.• You can go to the previous step by clicking Back.• You can exit the wizard by clicking Cancel.
-------------	--

Define Data Collections

Steps

1. Data Collection Type

2. Extract source data

3. Define Plain Columns

4. Define SQL Columns

5. Define Output Table

6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test**

Define SQL Columns

Instructions [-] Hide

Selected Extracted Columns (3)

Name	Type	Default Value
First_Name	String	
Birthday	Date	
Mobile_Phone	String	

SQL Expression Fields (0)

Name	Type	Default Value	Sql Expression	Actions
<input type="text"/>	String <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> Update <input type="checkbox"/> Cancel

WHERE clause

GROUP BY clause

HAVING clause

Back

Cancel

Next

Figure 20: Text/XML Data Collection Wizard - Define SQL Columns.

Step5: Define Output Table

1. Select the data collection output destination database table from **Output Table Option** radio button,
 - 1.1. The columns you have selected from the previous steps for mapping appear when you select **Define new table**.

Define Data Collections

Steps

1. Data Collection Type
2. Extract source data
3. Define Plain Columns
4. Define SQL Columns
- 5. Define Output Table**
6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test**

Define output table for generic process

Instructions [-] Hide



Output Table Option * ☒ Define new table ☐ Use existing table

Selected Extracted Columns (3)

Name	Type	Default Value
First_Name	String	
Birthday	Date	
Mobile_Phone	String	

Figure 21: Data Collection Wizard - Select Text/XML Output to New Table.

Or

- 1.2. When you select **Use existing table**
 - 1.2.1. From **Select Table** drop down-list, select a table existing in the database for extracted data mapping.
 - 1.2.2. Click **Add Column** if you need to; input its attributes to add to the selected table to map data from sources.
 - 1.2.3. In the **Actions** column, click **Update**  to add the new column, or **Cancel**  to ignore.

Define Data Collections

Steps

1. Data Collection Type
2. Extract source data
3. Define Plain Columns
4. Define SQL Columns
- 5. Define Output Table**
6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test**

Define output table for generic process

Instructions [-] Hide

Output Table Option * ☐ Define new table ☒ Use existing table

Select Table *

Output Table Columns (2)

Name	Type	Default Value
NAME	string	
FLNAME	string	

New Columns (0)

Name	Type	Default Value	Actions
<input type="text" value=""/>	<input style="border: 1px solid #ccc;" type="text" value="String"/>	<input type="text" value=""/>	<input checked="" type="checkbox"/> Update <input type="checkbox"/> Cancel

Figure 22: Data Collection Wizard - Select Text/XML Output to an Existing Table.

2. To make the tool filter the data it extracts with reference to the **Date Column** configured in [step 3](#), select **Truncate Before Insertion** check box.

NOTE	If you select Truncate Before Insertion check box without configuring the Date Column in step 3 , the tool will omit all the records in the data collection.
-------------	--

3. From "**NODE_NAME**" **Column option** radio button, select either of the following options:
 - **Configurable** → The tool automatically adds a column named "NODE_NAME" and inserts in it the name of the node it extracts data.
 - **Mapped** → The tool adds a column named "NODE_NAME" and prompts you in the next step to map a column from the source to it.
 - **Don't use** → The tool does not add a column named "NODE_NAME".
4. To go to the next step, click **Next**.

NOTE	<ul style="list-style-type: none"> • You can go to the previous step by clicking Back. • You can exit the wizard by clicking Cancel.
-------------	--

Step6: Define Data Collection Mapping

1. From **Output Table Columns** column, select from each drop box the column to map one of the columns selected from the source.

NOTE

- Each column you select under **Data Collection Columns** must be of type matching of its corresponding under **Output Table Columns**.
- You cannot select the same column under **Output Table Columns** to map more than a column under **Data Collection Columns**.

2. To save the defined data collection and finish the wizard to save the defined data collection and finish the wizard, click **Save Process**.

NOTE

- You can go to the previous step by clicking **Back**.
- You can exit the wizard by clicking **Cancel**.

Define Data Collections

Steps

1. Data Collection Type
2. Extract source data
3. Define Plain Columns
4. Define SQL Columns
5. Define Output Table
6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test**

Define Data Collection Mapping

Instructions [-] Hide

Mapped Columns *

Data Collection Columns	Output Table Columns
First_Name	First_Name
Birthday	Birthday
Mobile_Phone	First_Name

Back Cancel **Save Process**

Figure 23: Define Data Collections - Define Data Collections Mapping for Text/ XML

Define Data Collection Wizard for Database Type

Step 2: Define the Extraction SQL statement for DB process

1. From **Database Type** drop-down list, select the database manager type.
2. In **Columns** text area, type the column names for the query output.
3. In the **Query** text area, type the SQL statement.

NOTE The fields with asterisks (*) are mandatory.

Define Data Collections

Steps

1. Data Collection Type
- 2. Define Extraction SQL Statement**
3. Define Output Table
4. Define Data Collection Mapping

Data Collection Type: **DB** Generic Process Name: **Test_DB**

Define the Extraction SQL statement for DB process

Instructions [-] Hide

- * The drop-down list "Database Type" enables you to select the source database engine.
- * Please type in "Columns" text area the Data Collection output column names separated by commas.
- * please type in "Query" text area the SQL statements you need to extract data from the source database.

Database Type * **ORACLE**

Columns * **Column1, Column2**

Query *

Back Cancel **Next**

Figure 24: Define Database Data Collection Wizard - Define Extraction SQL Statement.

4. To go to the next step, click **Next**.

NOTE

- You can go to the previous step by clicking **Back**.
- You can exit the wizard by clicking **Cancel**.

Step3: Define Output Table

1. Select the data collection output destination database table from **Output Table Option** radio button,
 - 1.1. The columns you have selected from the previous steps for mapping appear when you select **Define new table**.

Define Data Collections

Steps

1. Data Collection Type
2. Define Extraction SQL statement
- 3. Define Output Table**
4. Define Data Collection Mapping

Data Collection Type: DB Generic Process Name: DBTest

Define output table for generic process

Instructions [-] Hide

Output Table Option * ☒ Define new table ☐ Use existing table

Selected Extracted Columns (2)

Name	Type	Default Value
column1	Unknown	
column2	Unknown	

Figure 25: Data Collection Wizard - Select Database Output to New Table.

Or

- 1.2. When you select **Use existing table**
 - 1.2.1. From **Select Table** drop down-list, select a table existing in the database for extracted data mapping.
 - 1.2.2. Click **Add Column** if you need to; input its attributes to add to the selected table to map data from sources.
 - 1.2.3. In the **Actions** column, click **Update** to add the new column, or **Cancel** to ignore.

Define Data Collections

Steps

1. Data Collection Type
2. Define Extraction SQL statement
- 3. Define Output Table**
4. Define Data Collection Mapping

Data Collection Type: **DB** Generic Process Name: **DBTest**

Define output table for generic process

Instructions [-] Hide

Output Table Option * ☐ Define new table ☒ Use existing table

Select Table * ▼

Output Table Columns (2)

Name	Type	Default Value
NAME	string	
FLNAME	string	

New Columns (0)

Name	Type	Default Value	Actions
<input style="border: 1px solid #ccc;" type="text" value=""/>	<input style="border: 1px solid #ccc;" type="text" value="String"/> ▼	<input style="border: 1px solid #ccc;" type="text" value=""/>	<input checked="" type="checkbox"/> Update <input type="checkbox"/> Cancel

+ Add Column

Figure 26: Data Collection Wizard - Select Database Output to an Existing Table.

- To make the tool filter the data it extracts with reference to a date column in the data collection source, select **Truncate Before Insertion** check box.

NOTE	If you select Truncate Before Insertion check box for a data collection source table with no date column, the tool will omit all the records in the data collection.
-------------	---

- From "**NODE_NAME**" **Column option** radio button, select either of the following options:
 - Configurable** → The tool automatically adds a column named "NODE_NAME" and inserts in it the name of the node it extracts data.
 - Mapped** → The tool adds a column named "NODE_NAME" and prompts you in the next step to map a column from the source to it.
 - Don't use** → The tool does not add a column named "NODE_NAME".
- To go to the next step, click **Next**.

NOTE	<ul style="list-style-type: none"> You can go to the previous step by clicking Back. You can exit the wizard by clicking Cancel.
-------------	--

Step 4: Define Data Collection Mapping

1. From **Output Table Columns** column, select from each drop box the column to map one of the columns selected from the source.

NOTE

- Each column you select under **Data Collection Columns** must be of type matching of its corresponding under **Output Table Columns**.
- You cannot select the same column under **Output Table Columns** to map more than a column under **Data Collection Columns**.

2. To save the defined data collection and finish the wizard to save the defined data collection and finish the wizard, click **Save Process**.

NOTE

- You can go to the previous step by clicking **Back**.
- You can exit the wizard by clicking **Cancel**.

Define Data Collections

Steps

1. Data Collection Type
2. Extract source data
3. Define Plain Columns
4. Define SQL Columns
5. Define Output Table
6. Define Data Collection Mapping

Data Collection Type: **Text** Generic Process Name: **Test**

Define Data Collection Mapping

Instructions [-] Hide

Mapped Columns *

Data Collection Columns	Output Table Columns
First_Name	First_Name
Birthday	Birthday
Mobile_Phone	First_Name

Back Cancel **Save Process**

Figure 27: Define Data Collections - Define Data Collections Mapping for Database.

Deleting/Editing a Data Collection


To Edit a Data Collection, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections** icon.

A page appears displaying a list of all the tool data collections (click [here](#) for more information about displaying data collections).


3. In **Data Collection Name** field, type the name of the data collection you want to search for.
4. Click **Search**.
5. A list of Data Collections matching the typed name appears.

5.1. To edit the data collection,

- 5.1.1. In the Data Collections list, in the **Actions** column, click **Edit**  next to the one you want to edit.
- 5.1.2. For a Text/XML type Data Collection, [Step 3](#) of **Define Data Collection wizard for Text/XML Type** appears.
- 5.1.3. For a Database type Data Collection, [Step 2](#) of **Define Data Collection wizard for Database Type** appears.

NOTE	You cannot edit data collections that you didn't create using Vodafone Capacity Management Tool.
-------------	--

5.2. To delete the data collection,

- 5.2.1. In the Data Collections list, in the **Actions** column, click **Delete**  next to the one you want to delete.
- 5.2.2. On the pop-up confirmation dialogue, click **Confirm** to confirm the user deletion from the list.

MANAGING DATA COLLECTIONS SYSTEMS

The Manage Data Collections Systems module enables administrators to configure new Systems, Edit existing systems configurations and delete systems.


Displaying Data Collections Systems

To display list of Vodafone Capacity Management Tool Data Collections Systems, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections Systems** icon.

A page appears displaying a list of all the tool data collections' systems.

NOTE	Atop the data collections' systems list, the tool displays the total number of rows in it.
-------------	--

3. Enter the number of rows you desire to display on the page and click the **Refresh** button .

NOTE	<ul style="list-style-type: none">• The tool provides handy pagination features for large user sets (five or more pages).• You can jump within the many pages by clicking First, Previous, Next, Last or the page number below the list
-------------	--

Searching for a Data Collection System

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections Systems** icon.
3. In **System Name** text field, type the name you want to search.
4. Click **Search**.

A list of Data Collections' Systems matching the typed name appears.

NOTE

- The tool provides handy pagination features for large user sets (five or more pages).
- You can jump within the many pages by clicking **First**, **Previous**, **Next**, **Last** or the page number below the list

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Manage Data Collections Systems

Define System

Search Systems

System Name

Search

Search Systems

Total number of rows: 292, Display 10 per page

System Name	Actions
123_ABC/2(a)y'	Edit Delete
ADD_CDR_SMS	Edit Delete
ADD_IN_REQ	Edit Delete
ADD_SMS_RATE	Edit Delete
AF_LOOKUP	Edit Delete
AIR_CDR	Edit Delete
ATTEMPTS_IJT	Edit Delete
AUTO_CALL_COLL	Edit Delete
Auto_Call_Collect	Edit Delete
BCH	Edit Delete

FIRST PREVIOUS 1 2 3 4 5 6 7 8 9 10 NEXT LAST

Page 1/30

Figure 28: Display and Search Data Collections System

Defining a New Data Collection System

To Define a New Data Collection System, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections Systems** icon.
3. Click **Define System**.

The new page **Define System** appears.

4. You can define a new system with at least one node or one input:
 - 4.1. To [add a new node to the system](#), click **Create Node**.
 - 4.2. To [add a new Input to the system](#), click **Create Input**.

NOTE	You can define a new system with at least one node or one input.
-------------	--

5. After creating the required node(s) and/or input(s), type the system name and Description.
6. To add the new system, click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new User.
-------------	--

Define System

System Name *

System Description

System Nodes *

No nodes defined

System Inputs *

No Inputs defined

Figure 29: Define Data Collection System.

Create Node

To add a New Node to the System, please proceed as follows:

1. Click **Create Node**

A new window appears to create a new node.

2. To create a new input, click **Create Input**.

NOTE	You can define a new node with at least one input.
-------------	--

3. Type the Node name and description.
4. To add the new Input, click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new Input.
-------------	---

Define Node

Node Name *

Node Description

Node Inputs *

Input Name	Actions
test2	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Figure 30: Create Node.

Create Input

To add a New Input to the System, please proceed as follows:

1. Click **Create Input**.

A new window appears to create a new node.

2. In **Input Name** text field, type the name.
3. From **Access Method** drop-down list, select the method.

NOTE	<ul style="list-style-type: none">• The Create Input page is specific to the data collection type.• In Access Method drop-down list, the available options that change the wizard are:<ul style="list-style-type: none">• DB_access for Database specific input.• All other methods for Text/XML/Excel specific input.
-------------	---

4. From **File Type** drop-down list, select the type.
5. In **Data Collection Process** text field, type the data collection name.

NOTE	When you type in Data collection process text field, the tool autocompletes your input with the available data collections for the current input.
-------------	--

6. To add the data collection to the Input, click **Add to List**.

The screenshot shows the 'Create Input' form with the following fields and values:

- Input Name ***: Test_Input
- Access Method ***: DB_access
- DataBase Type ***: ORACLE
- Data collection process ***: DB_j

Below the 'Data collection process' field, there is a search bar showing 'DB_join' and a magnifying glass icon. At the bottom of the form is a red button labeled 'Add to List'.

Figure 31: Create Input.

NOTE

- You can add only one data collection to the Input.
- To change the data collection you added to the Input:
 - Click **Delete** in the **Actions** column of the selected data collection.
 - The page refreshes without the previously selected data collection enabling you to search and add a new one.

Create Input

Input Name *

Access Method *

DataBase Type *

Data collection process *

Data Collection Name	Actions
DC_DB5	<input type="button" value="Delete"/>

Figure 32: Data Collection Added to the Input.

7. Fill the required fields in the next web part, those fields are specific to the input method you select in step 4,
 - 7.1. Type the details of the database server the tool connects to for data collection.

Data Base Name *

Server *

Port

UserName *

Password *

Hint

Aliquet, ridiculus nec sed est rhoncus porta sociis
 pidv In placerat lectus adipiscing. Porta cursus
 adipiscing.

Figure 33: Create Input - Database Details.

Or

- 7.2. Type the details of the Text/XML/Excel data source.

File Name Pattern *

xml

Server *

server.xml.com

UserName *

username

Password *

password

Hint

Aliquet, ridiculus nec sed est rhoncus porta sociis
piv In placerat lectus adipiscing. Porta cursus
adipiscing.

Paths list*

Add To List

Path	Actions
/XML/	<div>Delete</div>

Save

Cancel

Figure 34: Create Input - Text/XML/Excel Data Source Details.

8. To add the new Input, click **Save**.

NOTE

The fields with asterisks (*) are mandatory to add a new Input.

Editing/Deleting a Data Collection System

To Edit/Delete a Data Collection System, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections Systems** icon.
3. In **System Name** text field, type the name you want to search.
4. Click **Search**.
5. A list of Data Collection Systems matching the typed name appears.

5.1. To delete the data collection system,

- 5.1.1. In the Data Collections systems list, in the **Actions** column, click **Delete**



next to the one you want to delete.

5.2. To edit the data collection,

- 5.2.1. In the Data Collections systems list, in the **Actions** column, click **Edit**



next to the one you want to edit.

- 5.2.2. You can create new [nodes](#) or [inputs](#).

- 5.2.3. You can edit/delete the existing nodes or inputs,

5.2.3.1. To delete the node or input,

- 5.2.3.1.1. In the Data Collections systems list, in the **Actions** column,

click **Delete**



next to the one you want to delete.

NOTE

Please remember that a system must have at least one node or one input.

5.2.3.2. To edit the node or input,

- 5.2.3.2.1. In the Data Collections systems list, in the **Actions** column,

click **Edit**



next to the [node](#) or [input](#) you want to edit.

- 5.2.4. To save changes, click **Save**.

NOTE


The fields with asterisks (*) are mandatory to add a new Input.

Edit/Delete a Node


To Edit/Delete a Node, please proceed as follows:

1. Select a system to edit.
2. Lists of the system nodes and/or inputs appear

2.1. To delete the node,

- 2.1.1. In the nodes list, in the **Actions** column, click **Delete**  next to the one you want to delete.


2.2. To edit the node,

- 2.2.1. In the nodes systems list, in the **Actions** column, click **Edit**  next to the one you want to edit.

- 2.2.2. If you want, [create a new node](#).


- 2.2.3. You can edit/delete the existing inputs,

2.2.3.1. To delete the input,

- 2.2.3.1.1. In the nodes list, in the **Actions** column, click **Delete**  next to the one you want to delete.

NOTE	Please remember that a node must have at least one input.
-------------	---

2.2.3.2. To edit the input,

- 2.2.3.2.1. In the nodes list, in the **Actions** column, click **Edit**  next to the [input](#) you want to edit.

- 2.2.4. If you want to change the Node name and description, type the new values.

- 2.2.5. To save changes, click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new Input.
-------------	---


Edit/Delete an Input

You can Edit/Delete an input under a node or directly under a data collection system.

To Edit/Delete an Input, please proceed as follows:


1. Select a System or a node under a system to edit.
2. Lists of nodes and/or inputs appear

2.1. To delete the input,

- 2.1.1. In the nodes list, in the **Actions** column, click **Delete**  next to the one you want to delete.

NOTE	<ul style="list-style-type: none"> • Please remember that a system must have at least one node or one input. • Please remember that a node must have at least one input.
-------------	--

2.2. To edit the input,

- 2.2.1. In the Data Collections systems list, in the **Actions** column, click **Edit**  next to the one you want to edit.
- 2.2.2. A new page appears with the Input details to edit.

NOTE	The fields of the Input are specific to access method. Please refer to Create Input section of this guide.
-------------	--

- 2.2.3. To save changes, click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new Input.
-------------	---

MANAGING DATA COLLECTIONS JOBS

The Manage Data Collections Jobs module enables administrators to configure new jobs, edit existing jobs, delete jobs and force running of jobs.


Displaying Data Collections Jobs

To display list of Vodafone Capacity Management Tool Data Collections Jobs, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections Jobs** icon.

A page appears displaying a list of all the tool data collections' jobs.

NOTE	Atop the data collections' jobs list, the tool displays the total number of rows included.
-------------	--

3. Enter the number of rows you desire to display on the page and click the **Refresh** button .

NOTE	<ul style="list-style-type: none">• The tool provides handy pagination features for large user sets (five or more pages).• You can jump within the many pages by clicking First, Previous, Next, Last or the page number below the list
-------------	--

Searching for a Data Collection Job

1. Log On as an Administrator.
2. On the Home Page, click **Manage Data Collections Jobs** icon.
3. In **Job Name** text field, type the name you want to search.
4. Click **Search**.

A list of Data Collections' Jobs matching the typed name appears.

NOTE

- The tool provides handy pagination features for large user sets (five or more pages).
- You can jump within the many pages by clicking **First**, **Previous**, **Next**, **Last** or the page number below the list

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Manage Data Collections jobs

Define New job

Search jobs

Job Name

Search

Search results

Job Name	Force Running Job	Actions
13th_job	Force Running Job	Edit Delete
14th_job	Force Running Job	Edit Delete
15th_job	Force Running Job	Edit Delete
16th_job	Force Running Job	Edit Delete
17th_job	Force Running Job	Edit Delete
19th_job	Force Running Job	Edit Delete
1st_job	Force Running Job	Edit Delete
2	Force Running Job	Edit Delete
20th_job	Force Running Job	Edit Delete
22th_job	Force Running Job	Edit Delete

1 2 3 4 5 NEXT LAST

Figure 35: Display and Search Data Collection Job.

Defining a New Data Collection Job

To Define a New Data Collection Job, please proceed as follows:

1. Log On as an Administrator.
2. Click **Manage Data Collections Jobs** Icon on the Home Page.
3. Click **Define New Job**.
4. A new page appears with the entitled **Define New Job**.
5. Fill in the details of the new job.

NOTE	<ul style="list-style-type: none"> • The field Retry Count configures the tool with number of retries to execute the job in case of failure (Minimum value is 2). • The field Retry Interval configures the tool with the time (in minutes) between each retry and the next one.
-------------	--

6. To add the new job, click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new Input.
-------------	---

Define New Job

Instructions [-] Hide
 Choosing "System Level Job" option will only execute data collections associated with Inputs on System Level.
 Choosing "Node Level Job" option & "All Nodes" selection option will execute both System & all Nodes' data collections.

Job Name *

Job Description *

Job Type * ☒ System Level Job

System Name *

CRON Expression *

Execution period *

Zones *

Retry Count *

Retry Interval *

Hint
 Please refer to Quartz Cron expression tutorial
 CronTrigger Tutorial

Save **Cancel**


Figure 36: Define a New Data Collection Job.

Editing/Deleting a Data Collection Job


To Edit/Delete a Data Collection Job, please proceed as follows:

1. Log On as an Administrator.
2. Click **Manage Data Collections Jobs** Icon on the Home Page.
3. In **Job Name** text field, type the name you want to search.
4. Click **Search**.
5. A list of Data Collections' Jobs matching the typed name appears.

5.1. To delete the job,

- 5.1.1. In the Jobs list, in the **Actions** column, click **Delete**  next to the one you want to delete.

5.2. To edit the job,

- 5.2.1. In the jobs list, in the **Actions** column, click **Edit**  next to the one you want to edit.
- 5.2.2. A new page appears entitled **Edit System** with the system details to edit.



NOTE	You can edit all the fields except Job Name and Zone .
-------------	--

- 5.2.3. To save the changes, click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new job.
-------------	---

Force Running a Data Collection Job

To Force Run a Data Collection Job, please proceed as follows:

1. Log On as an Administrator.
2. Click **Manage Data Collections Jobs** Icon on the Home Page.
3. In **Job Name** text field, type the name you want to search.
4. Click **Search**.
5. Next to the data collection job you want to run, click **Force Running Job**.
6. The **Force Job Execution** page appears,
 - 6.1. If you set your **Job Execution Period** to daily,
 - For the **From** field, use the calendar  to set the start date.
 - For the **To** field, use the calendar  to select the end date.

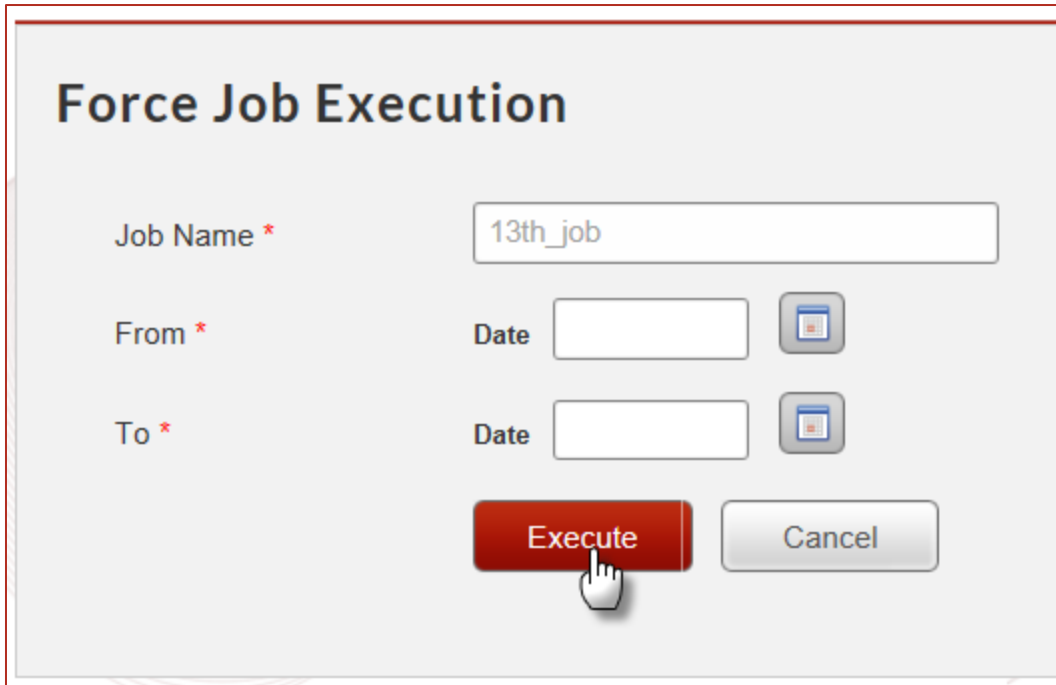




Figure 37: Force Running a Daily Data Collection Job.

- 6.2. If you set your **Job Execution Period** to hourly,
 - For the **From** field, use the calendar  to set the start date.
 - From the **Hour** drop-down list, select the start hour
 - For the **To** field, use the calendar  to select the end date.

- From the **Hour** drop-down list, select the end hour.

Force Job Execution

Job Name *

From * Date Hour

To * Date Hour

Execute **Cancel**

Figure 38: Force Running an Hourly Data Collection Job.

7. To force run the job, click **Execute**.

NOTE

The fields with asterisks (*) are mandatory to force run a job.

MANAGING SYSTEM EVENTS

The Manage Data Collections Jobs module enables administrators to add, edit, and delete events on the calendar for all the system users to note on extracting and analyzing data using Vodafone Capacity Management Tool. Administrators can also give the events priority levels.

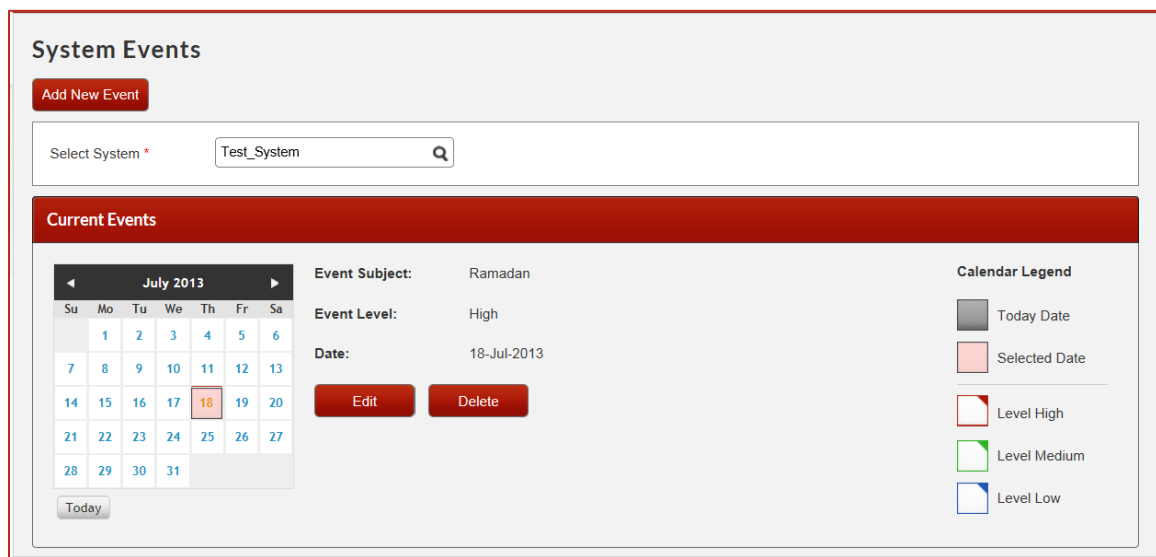
Displaying System Events

To display events of a Vodafone Capacity Management Tool Data Collections System, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **System Events** icon.

A page appears prompting you to search a system.

3. In **Select System** text field, type the name of the system you want to manage its events.
4. Press Enter, a new page appears with a calendar from which you can select a date to view its events for the selected system.



System Events

[Add New Event](#)

Select System *

Current Events

July 2013						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Event Subject: Ramadan

Event Level: High

Date: 18-Jul-2013

Calendar Legend

- ☐ Today Date
- ☐ Selected Date
- ☐ Level High
- ☐ Level Medium
- ☐ Level Low


Figure 39: Display System Events.

Adding a New System Event

To add a New System Event, please proceed as follows:

1. Select a system to add events to.
2. Click **Add New** Event.

A new page appears with the details of the event to input.

3. In **Subject** text field, type the event subject.
4. From **Event Level** drop-down list, select the level.
5. Click on the button  next to the **Date** field to select the event date.
6. To add the new event, click **Save**.

NOTE	The fields with asterisks (*) are mandatory to add a new Event.
-------------	---

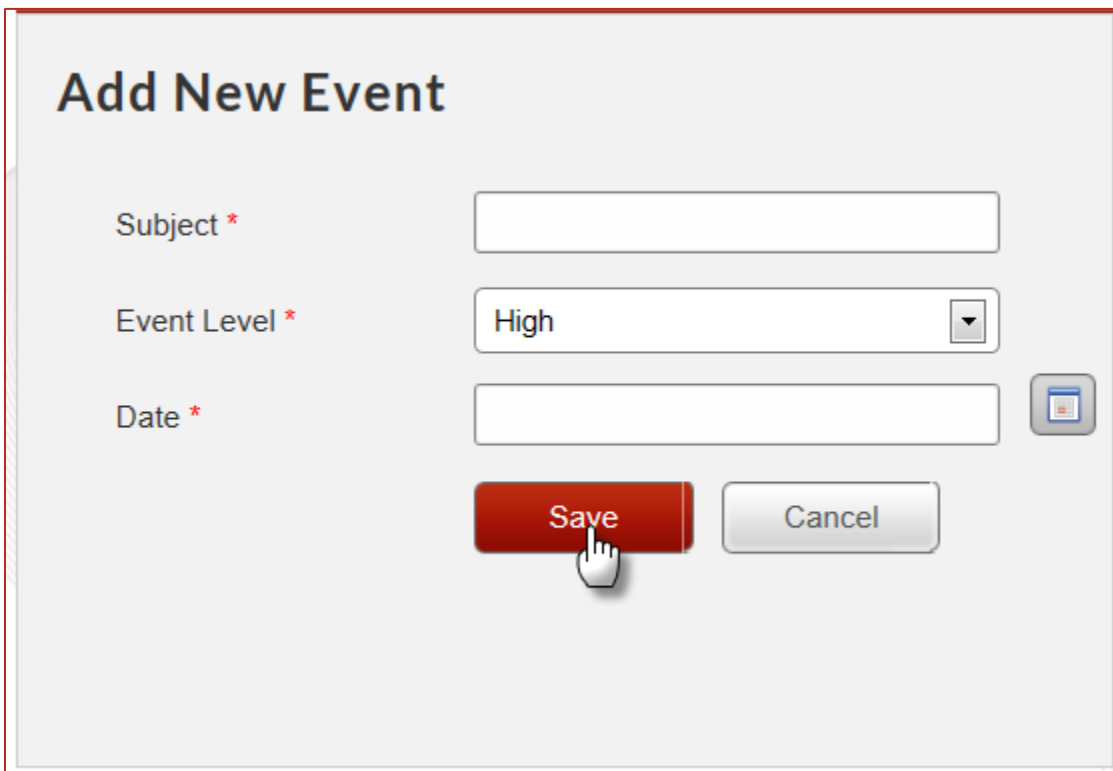


Figure 40: Add System Event.

Editing a System Event

To Edit a System Event, please proceed as follows:

1. Select a system to edit its events.
2. Select a date on the system calendar to view its event.
3. Click **Edit** below the displayed event details.

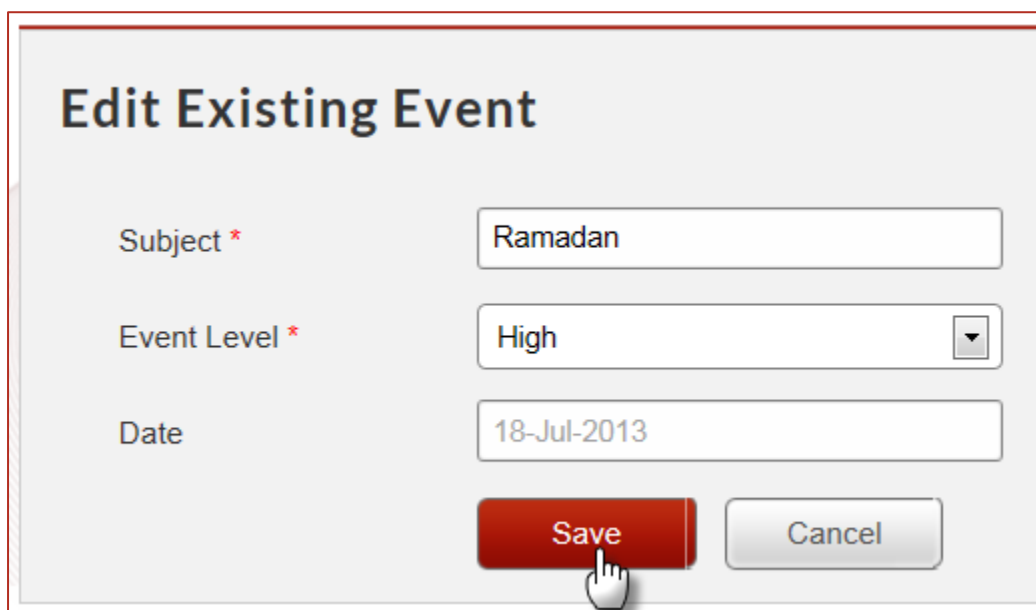
A new page appears with the details of the event to edit.

4. In **Subject** text field, type the event subject.
5. From **Event Level** drop-down list, select the level.

NOTE	You cannot edit the Event date.
-------------	---------------------------------

6. To save changes, click **Save**.

NOTE	The fields with asterisks (*) are mandatory.
-------------	--



Edit Existing Event

Subject *

Event Level *

Date

Figure 41: Edit a System Event.

Deleting a System Event

To Delete a System Event, please proceed as follows:

1. Select a system.
2. Select a date on the system calendar to view its event.
3. Click **Delete** below the displayed event details.
4. On the pop-up confirmation dialogue, click **Confirm** to confirm the event deletion.

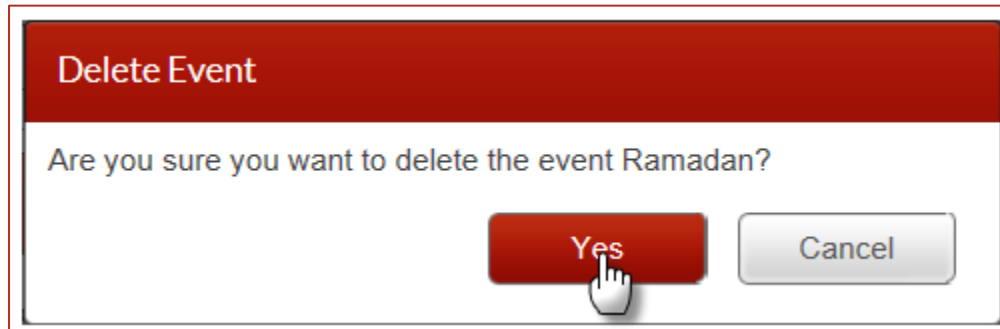


Figure 42: Confirm Deleting a System Event.

MANAGING KPI NOTIFICATIONS

The Manage KPI Notifications module enables administrators to configure the Thresholds & KPIs for each node per system, in addition to adding a notification list for each node per system.

Displaying System KPIs

To display KPIs of a Vodafone Capacity Management Tool Data Collections System, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **KPI Notifications** icon.

A page appears prompting you to search a system.

3. In **System Name** text field, type the name.
4. From **Select Node** drop-down list, select one of the system nodes to view and manage its KPIs.
5. Click **Show Thresholds & KPIs**.

A list of the details of the KPIs appears.

The screenshot displays the Vodafone Capacity Management Tool interface. At the top, there is a header with the Vodafone logo, the title "Capacity Management Tool", and a user greeting "Welcome admin" with a "Logout" link. Below the header is a navigation bar with seven icons: User Management, Log Manager, Manage data collections, Manage data collections Systems, Manage Data Collections jobs, System Events, and KPI Notifications (which is highlighted with a red arrow). The main content area is titled "KPI Notifications" and includes a link to "Manage Notifications list". A red button labeled "Add New Thresholds & KPIs" is present. Below this, the "System KPIs" section contains a search form with a "System Name" field (containing "Test_System") and a "Select Node" dropdown menu (showing "Test_Node"). A red button labeled "Show Thresholds & KPIs" is located below the search form. The "KPI Details" section shows a table with the following data:


Property	Property Value	Grain	Traffic Table	Notification Threshold
utilization	15	D	dc_db7	0.2

Below the table are two red buttons: "Edit KPI" and "Delete".

Figure 43: Display KPIs.

Adding System KPIs

To add a New System KPI, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **KPI Notifications** icon.
3. Click **Add New Thresholds & KPIs**.
4. In **System Name** text field, type the name.
5. From **Select Node** drop-down list, select one of the system nodes to view and manage its KPIs.
6. In the web part **Node Properties** input the new KPI details.
7. Click **Add Node Property**.
8. The property parameters appear in a row that you can edit or delete by clicking **Delete** .
9. To save the KPI, click **Save**.

NOTE

The fields with asterisks (*) are mandatory.

Add New Thresholds & KPIs

System Name *

Select Node *

In Use *
☐ Yes

Node Properties

Property Name *


Property Value *

Grain *

Traffic Table Name *

Notification Threshold *

Add Node Property

Property	Property Value	Grain	Traffic Table	Notification Threshold	Actions
Utilization	15	D	Traffic	1	 Delete

Save

Cancel

Figure 44: Add a KPI.

Editing/Deleting System KPIs

To Edit/Delete a System KPI, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **KPI Notifications** icon.

A page appears prompting you to search a system.

3. In **System Name** text field, type the name.
4. From **Select Node** drop-down list, select one of the system nodes to view and manage its KPIs.
5. Click **Show Thresholds & KPIs**.
6. A list of the details of the KPIs appears for you to edit/delete.

6.1. To delete a KPI,

- 6.1.1. Click **Delete** below the KPI details to delete all the properties for the system node you select.

6.2. To edit a KPI,

- 6.2.1. Click **Edit** below the KPI details to edit or add new properties for the system node you select.

A new page appears entitled Edit Thresholds & KPIs.

- 6.2.1. Click any row of the existing properties to edit its details.
- 6.2.2. To delete from the KPI for the system node you select, click **Delete** next to the property details.
- 6.2.3. To add for the KPI for the system node you select, input the details of a property and click **Add Node Property**.

Edit Thresholds & KPIs

System Name *

KPI_Management_Test

System Node *

Node1

In Use *

☒ Yes

Node Properties

Property Name *

Property Value *

0

Grain *

Select Grain

Traffic Table Name *

Notification Threshold *

0

Add Node Property

Property	Property Value	Grain	Traffic Table	Notification Threshold	Actions
Prop1	1	D	Table1	100.5	<div><div></div>Delete</div>

Save

Cancel

Figure 45: Edit a KPI.

7. To save changes, click **Save**.

NOTE

The fields with asterisks (*) are mandatory.

Vodafone Capacity Management Tool

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Managing System KPIs Notifications Lists

To display Manage KPIs Notifications Lists of a Vodafone Capacity Management Tool Data Collections Systems, please proceed as follows:

1. Log On as an Administrator.
2. On the Home Page, click **KPIs Notifications** icon.
3. Click **Manage Notifications List** hyperlink.

Manage Notifications List page appears.

4. In **System Name** text field, type the name.
5. From **Select Node** drop-down list, select one of the system nodes to view and manage its KPIs.
6. Click **Manage Users List**.

A prompt to add a new user and a list of the users configured for the selected system appears.

Capacity Management Tool

Welcome admin
Logout

User Management Log Manager Manage data collections Manage data collections Systems Manage Data Collections jobs System Events KPI Notifications

Manage Notifications list

[System KPIs](#) | Manage Notifications list

Manage Notification List

System Name * Test_System

Select Node * Test_Node

Manage Users List

Add User

User Type * ☒ Existing user ☐ External user

Username * user1

Email mostafa@live.com

Mobile 01004841574

Notify By * ☐ Email ☐ SMS

Add To Selected Users

Figure 46: Manage KPI Notifications List.

Adding Users to KPIs Notifications List

To Add a User to a KPIs Notifications List, please proceed as follows:

1. In the **Add User** web part, enter the details of the user you want to add.
2. From **User Type** radio buttons, select the type.
3. In the **Username** text field, type the username,
 - 3.1. If you selected **Existing user**, the tool autocompletes the name,
 - 3.1.1. After Selecting the name, the tool retrieves the other **Email** and **Mobile** that you can edit or not.

Or

- 3.2. If you selected **External user**,
 - 3.2.1. In **Username** field, type the name.
 - 3.2.2. In **Email** and **Mobile** fields, type the values.
4. From **Notify By**, select **Email** or **SMS** check boxes or both.

NOTE	The fields with asterisks (*) are mandatory to add a user.
-------------	--

5. Click **Add to Selected Users**.

Add User

User Type * ☒ Existing user ☐ External user

Username *

Email

Mobile

Notify By * ☐ Email ☐ SMS

Add To Selected Users

Figure 47: Add user to a KPIs Notifications List.

Editing a User from a KPIs Notifications List

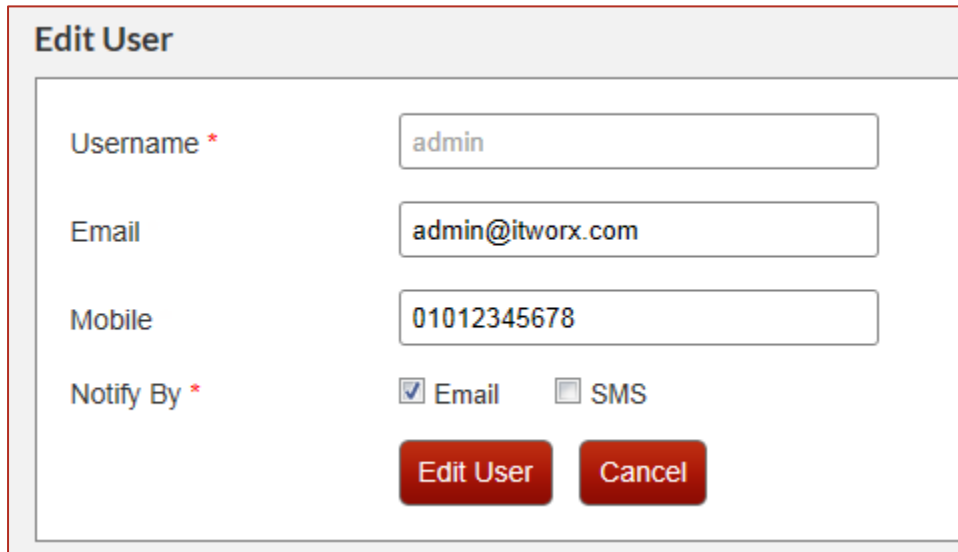
To Edit a User from a KPIs Notifications List, please proceed as follows:

In the users list, in the **Actions** column, click **Edit**  next to the one you want to edit.

6. Edit the desired fields of the User details.

NOTE	The fields with asterisks (*) are mandatory to edit a user.
-------------	---

7. To save the changes, click **Edit User**.



Edit User

Username *

Email


Mobile

Notify By * ☒ Email ☐ SMS

Figure 48: Edit user from a KPIs Notifications List.

Deleting a User from a KPIs Notifications List

To delete a user from a KPIs Notifications List, please proceed as follows:

1. In the users list, in the **Actions** column, click **Delete**  next to the one you want to delete.
2. To delete multiple users,
 - 2.1. Select the check box next to each desired user in the **Selected users'** list.
 - 2.2. Click **Delete Selected** above the **Selected Users'** list.

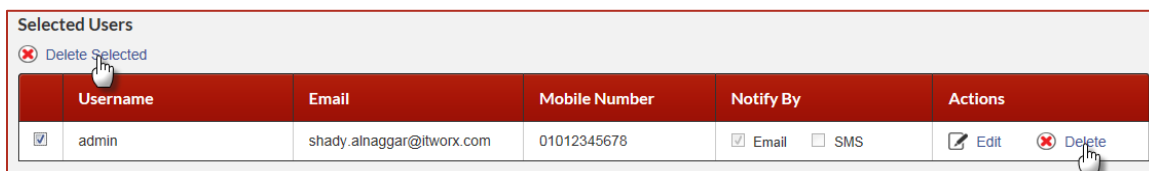


Figure 49: Delete a user from a Log Notifications List.

3. Click **Confirm** within the confirmation message that appears to confirm the user(s) deletion from the list.

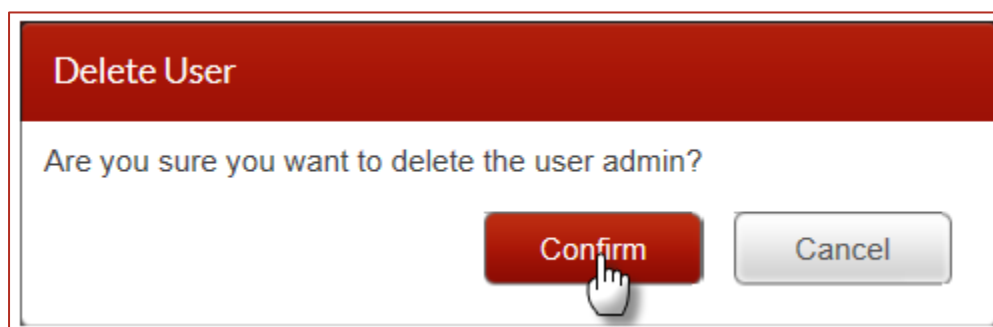


Figure 50: Confirm deleting a user from a List of KPIs Notifications.

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