

Rainbow CTI & Media Bridge (NEC IS4000)-

A D M I N I S T R A T I O N G U I D E

Rainbow CTI & Media Bridge



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1 Document History

Edition	Date	Changes / Comments / Details
01 31/05/2021 Initial Administra		Initial Administration Guide.

2 Introduction

2.1 Overview - The Product

Rainbow CTI & Media Bridge works with a number of telephone systems e.g. Cisco Call Manager, Avaya IP Office, NEC 3C etc. This document describes the administration of Rainbow CTI and Media Bridge for NEC IS4000.

Rainbow CTI & Media Bridge application is installed on a local machine in customer premises. It connects with Rainbow Server to push the list of extensions so that they can be associated to Rainbow Users for CTI and VOIP calling, and it also interacts with third-party telephone systems to monitor those extensions for signaling information and call controls.

For other third-party telephony systems, please refer to their respective documentation available at <u>https://support.openrainbow.com</u>.

This document is a step-by-step guide for any technical engineer to configure the software.

2.2 Overview - The Guide

The Admin guide comes into effect once the installation is finished and its target audiences are System Administrators. This guide will walks through the administrative steps required for initial configuration and subsequent software maintenance.

The guide begins with an overview along with screenshots of the application to give the reader an understanding of the user interface design.

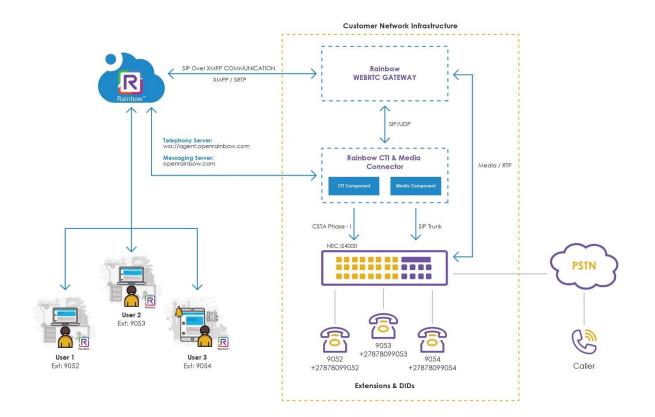
A "Table of Contents" is provided at the beginning of this guide with hyperlinks for the ease of navigation.



2.3 Architecture Diagram







3 Configuration

3.1 Administration - Startup

Launch Rainbow CTI & Media Bridge web administration interface by clicking on the shortcut

icon ICI on the Windows desktop. This will display a login screen as shown below:

	📰 EN 👻
	Connect to CTI & Media Bridge Administration
R	Please enter the username Username *
Welcome to CTI & Media Bridge	Enter your password Password *
	Login
# ■ 🚱 🖶 🗞	By continuing, you agree to: the Terms of Service and the Privacy Policy

Please enter following credentials when you are logging into the Rainbow CTI & Media Bridge for the first time after installation:

Username: admin

Password: admin

Once logged in, a web interface is displayed that will allow you to navigate around application using the left vertical panel.

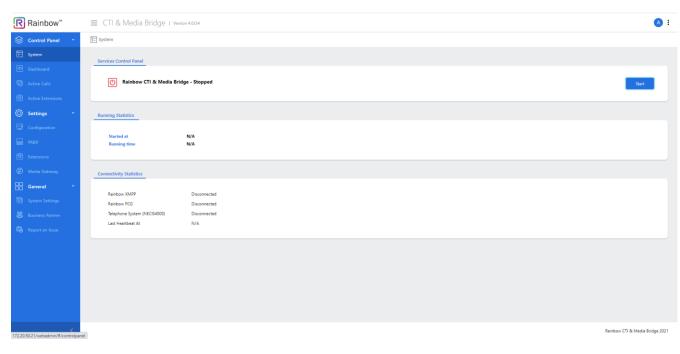
The options are grouped under the following categories:

- Control Panel
- Settings
- General

The options can be collapsed and expanded by clicking on the above categories.



There is also a slider control at the bottom that can be used to minimize or maximize the left hand panel.



Screenshot-Slider Control with Left Hand Panel Displayed

R	≡ CTI & Media B	dge Version 4.0.0.4	
\otimes	System		
	Services Control Panel		
<u>ہ</u>	C Rainbow CTI & Me	a Bridge - Stopped	
8			
٢	Running Statistics		
	Started at Running time	N/A N/A	
8			
Ø	Connectivity Statistics		
88			
Ē	Rainbow XMPP Rainbow PCG	Disconnected Disconnected	

Screenshot-Slider Control with Left Hand Panel Hidden

Similarly, click on the slider control again to show the left hand panel.

You can also click on \equiv icon next to application title as highlighted below:

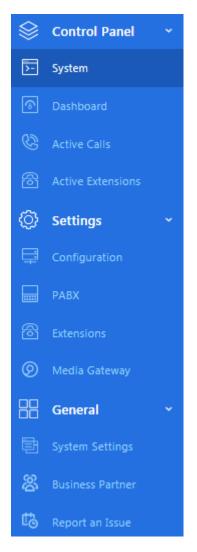
R	🔲 CTI & Media	Bridge Version 4.0.0.4	
	∑ Sys		
5-	Services Control Panel		
B	🕐 Rainbow CTI & N	Media Bridge - Stopped	Start
8			
Ø	Running Statistics		
₽			
	Started at Running time	N/A N/A	
6			
Ø	Connectivity Statistics		
88			
Ē	Rainbow XMPP	Disconnected	
택	Rainbow PCG	Disconnected	

This action will hide the entire left panel as shown below:

R	≡ CTI & Media Br	ridge Version 4.0.0.4		A :
5- System				
Services	Control Panel			
Ø	Rainbow CTI & Media Bridg	ge - Stopped	Start	1
Running	Statistics			
	rted at nning time	N/A N/A		
Connecti	ivity Statistics			
	ibow XMPP	Disconnected		

Below is the full view of that left panel:





Screenshot - Complete list of links in left menu

For every click on the left menu, the main page to the right will change to the corresponding display. As an administrator, it is your responsibility to provide requisite configuration details in each section and customize the application according to your particular requirements. We recommend that you work on these links, in the following order:

- Configuration
- PABX
- Media Gateway
- System
- System Settings

Once you have provided required information in each section, please click on Update/Save button for that section.

Noe: The administration application can also be opened by entering a URL i.e. <u>http://<IP</u> address>/webAdmin/ e.g. <u>http://172.20.1.121/webadmin</u>

3.2 Configuration Settings

Rainbow CTI & Media Bridge is required to connect with the main Rainbow Server to enable telephony integration. The configuration settings are entered usually during the first time setup; however, they can be updated at any time, if needed.

Go to configuration page by clicking on the Configuration tab from the left menu, as shown below.

Rainbow [™]	≡ CTI & Media Bridge । ve	rsion 4.0.0.4	0	:
😂 Control Panel 🔹	5- System			
▷- System	Services Control Panel			
Dashboard	Services Control Panel			
🕲 Active Calls	(1) Rainbow CTI & Media Br	ridge - Stopped	Start	
Active Extensions				
🔘 Settings 🛛 👻	Running Statistics			
Configuration	_			
PABX	Started at Running time	N/A N/A		
Extensions				
Ø Media Gateway	Connectivity Statistics			
General ~				
System Settings	Rainbow XMPP Rainbow PCG	Disconnected Disconnected		
🖧 Business Partner	Telephone System (NECIS4000)	Disconnected		
Report an Issue	Last Heartbeat At	N/A		
<			Rainbow (TI) & Media Bridge 202	1
172.20.50.21/webadmin/#/controlpa	nel			

Screenshot-System

You will be presented with the screen, as shown below:

Configuration		
Rainbow Settings		
Domain *	openrainbow.com	
Proxy Settings		
Proxy Address		
Equipment Settings		
Equipment ID * Password *		 Information! The Equipment Settings for Third party PBX are defined and managed via Rainbow Administration under the BP account, and are accessible through BP Account -> Company Administration -> Communication -> Equipment Info
Note : For the changes to take e	effect, Rainbow CTI & Media Bridge services needs to be restarted via Services Control Panel.	Cancel Upda
		Rainbow CTI & Media Bridg

Screenshot-Configuration

The relevant page is displayed which has the following main sections.

- Rainbow Settings
- Proxy Settings
- Equipment Settings

A screenshot of each section is illustrated below and a separate explanation for each is written underneath the item.

3.2.1 Rainbow Settings

Rainbow fulfillment team with your company's subscription confirmation will provide these settings. The default value for this section is set to 'openrainbow.com', which is valid for the production sites.

Please enter the provided information accordingly, as shown below for illustration.

Rainbow Settings	
Domain * :	openrainbow.com

Screenshot-Rainbow Settings

3.2.2 Proxy Settings

If a company has a proxy setup in place for outgoing traffic, the proxy address shall be provided as part of the configuration. It is important to note that this field is optional.

Please enter the provided information accordingly, as shown below for illustration.

Proxy Address :	Proxy Settings	
	Proxy Address :	

Screenshot- Proxy Settings

3.2.3 Equipment Settings

Equipment ID is generated by Rainbow system and shall be provided by Rainbow fulfillment team/business partner with your company's subscription confirmation.

Please enter the provided information accordingly, as shown below for illustration.

Equipment Settings Equipment ID * Password *	PBX17e9-8f2d-e92e-4a33-b5f2-e336-14b2-8a7b	 information! The Equipment Settings for Third party PBX are defined and managed via Rainbow Administration under the BP account, and are accessible through BP Account -> Company Administration -> Communication -> Equipment Info
Note : For the changes to take effect, R	ainbow CTI & Media Bridge services needs to be restarted via Services Control Panel.	Cancel Update

Screenshot-Equipment Settings

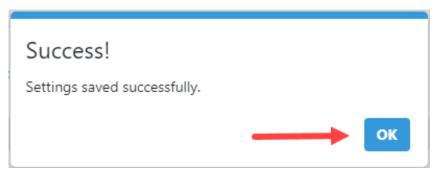
Finally, once you have entered the details into each field, click **Update**, as shown below.

Configuration		
Rainbow Settings		
Domain *	openrainbow.com	
Proxy Settings		
Proxy Address		
Equipment Settings		
Equipment ID * Password *	PBX115b-5915-c35d-4975-b20f-c69c-1fca-4cd2	Information! The Equipment Settings for Third party PBX are defined and managed via Rainbow Administration under the BP account, and are accessible through
		BP Account -> Company Administration -> Communication -> Equipment Info
Note : For the changes to take of	effect, Rainbow CTI & Media Bridge services needs to be restarted via Serv	ices Control Panel. Cancel Update
		Defet we GTT Build and Defet

Rainbow CTI & Media Bridge 2021

Screenshot-Configuration

You will be presented with the popup window, click **OK**, as shown below.



Screenshot-Message from application

NOTE: Once successfully configured, do not change these settings unless advised by Rainbow Support team.

3.3 PABX Settings

Rainbow CTI & Media Bridge is required to connect to NEC IS4000 telephone system to get phonebook information and also to get telephony events and perform call controls.

Click on the PABX tab from the left menu on the screen, as shown.

Rainbow [™]	≡ CTI & Media Bridge I ve	ersion 4.0.0.4	•
😂 Control Panel 🔹	5- System		
▷- System	Services Control Panel		
Dashboard	Services Control Panel		
C Active Calls	(1) Rainbow CTI & Media B	ridge - Stopped	Start
Active Extensions			
🚫 Settings 🛛 👻	Running Statistics		
Configuration			
PABX	Started at Running time	N/A N/A	
Extensions			
Media Gateway	Connectivity Statistics		
🔠 General 🗸 👻			
🖶 System Settings	Rainbow XMPP Rainbow PCG	Disconnected	
😤 Business Partner	Telephone System (NECIS4000)	Disconnected	
Report an Issue	Last Heartbeat At	N/A	
172.20.50.21/webadmin/#/controlpar	nel		Rainbow CTI & Media Bridge 2021

Screenshot- System

The relevant page is displayed which has the following main sections.

- Connectivity Settings
- SIP Trunk Settings

A screenshot of each section is illustrated below and a separate explanation for each is written underneath the item.

3.3.1 Connectivity Settings

Friendly Name field is usually the name that organization has given to the installed telephone system and it is only for better readability purposes. This becomes particularly useful when there are more than one telephony systems in an organization and in that case only IP addresses do not help the administrators to quickly identify the respective systems.

The default value for this field is set to 'NEC IS4000' but it can be changed.

IP Address and Port:

Please provide IP address and port as well for connecting with NEC IS4000.

Voice Gateway IP:

Provide IP Address for Voice Gateway in case NEC IS4000 is using an external voice gateway.

Desk Extension Length:

Enter the number of characters that an extension will comprise of in this field e.g. if extensions in your organization range between 100-999 then you will select 3 as your desk extension length.

External Outbound Prefix

Enter the prefix that must be affixed with extension when used for external outbound calls.

X		
nectivity Settings		
Friendly Name	NEC IS4000	() CSTA Connection Details
CSTA Connection Details		The CSTA settings are required to establish a communication channel with NEC iS4000 for call controls and signaling information.
IP Address *	172.20.2.2	This includes the IP address and port on which CSTA services are configured and running in NEC IS4000.
Port *	5555	Voice Gateway IP is required for the cases, where NEC IS4000 is using external voice gateway for external outbound and inbound calls.
Voice Gateway IP	416515	
Desk Extension Length	5 *	
External Outbound Prefix	9	

Screenshot- PABX

3.3.2 SIP Trunk Settings

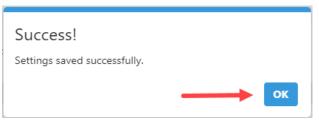
Provide configurations for SIP Trunk setup in this sections that are required for connectivity between NEC IS4000 and Rainbow CTI & Media Bridge application. Provide SIP Trunk port address and prefix that will be affixed with the extensions operating with SIP Trunk server.

Port * Prefix *	5060 9	SIP Trunk Setup! A SIP trunk Setup! A SIP trunk Setup! A SIP trunk setup is required between necis4000 and Rainbow CTI & Media Bridge application. In necis4000, the SIP trunk should have following set of configurations: a. Disable digest authentication b. No authentication neablement c. UOP as transport medium d. Destination address is the machine IP address on which Rainbow CTI & Media Bridge application is installed e. 183 Session in progress enablement to provide ringtone to Rainbow users while making outbound calls f. G711 u-law should be enabled	
Note : For the changes to t	take effect, Rainbow CTI & Media Bridge services needs to be restarted via Services Control Pan	el	Cancel Upda

Screenshot- SIP Trunk Settings

Once you have entered the details into each field, click **Update**.

You will be presented with the popup window, click **OK**, as shown below.



Screenshot-Message from Application

NOTE: Once successfully configured, restart the Rainbow CTI & Media Bridge service for changes to take effect.

3.4 Media Gateway

Rainbow CTI and Media Bridge works as a middleware between Rainbow and ALE WebRTC Gateway so that users (with CTI capability) can receive and take their desk extension (PABX) calls onto their rainbow applications.

It is important that Rainbow WebRTC Gateway is correctly configured before setting up Media Gateway. Media Gateway configuration is necessary if users are setup to receive their business phone calls on their Rainbow applications.

For more detailed information on webRTC Gateway configuration, please check:

https://support.openrainbow.com/hc/en-us/articles/360019337180-WebRTC-gatewayinstallation-and-configuration-for-third-party-PBX

Click on the Media Gateway tab from the left menu on the screen, as shown:

R Rainbow [™]	≡ CTI & Media Bridge ı ve	rsion 4.0.0.4	S :
🛞 Control Panel 🛛 👻	5- System		
▶ System	Services Control Panel		
Dashboard			
🔇 Active Calls	C Rainbow CTI & Media Br	ridge - Running	Stop
Active Extensions			
💮 Settings 🛛 👻	Running Statistics		
Configuration			
PABX	Started at Running time	Monday, May 31, 2021 6:00:10 PM 0d 0h 21m	
🕅 Extensions			
💿 Media Gateway 🚽	connectivity Statistics		
General ~	Rainbow XMPP		
📴 System Settings	Rainbow XMPP Rainbow PCG	Connected	
😤 Business Partner	Telephone System (NECIS4000)	Connected	
🖒 Report an Issue	Last Heartbeat At	Monday, May 31, 2021 6:20:30 PM	
κ.			Rainbow CTI & Melai Bridge 2021

Screenshot-System

The relevant page is displayed which has the following main sections.

- Media Settings
- Remote Extensions Numbering Plan
- Caller ID Policy for VOIP calling

3.4.1 Media Settings

Please select the IP address using which the Media Gateway services will be communicating to webRTC Gateway. Also provide the IP address and port on which webRTC Gateway services are running. In most cases, Port will remain the same i.e. 5060 and so only IP address of the webRTC Gateway needs to be provided.

a Settings		
Media Server IP *	172.20.50.21	(i) Media Setting & webRTC Gateway
webRTC Gateway		Media Server IP is the IP address of the machine on which Rainbow CTI & Media Bridge application is installed. This IP address needs to be provided (in the below command) while configuring webRTC
IP *	127.0.0.1	Gateway. mpconfigPBX_DOMAIN="172.20.50.21"
SIP Port *	5060	Following set of commands can be used to check the configuration and running status for webRTC Gateway.



3.4.2 Remote Extensions Numbering Plan

Remote Extensions are entities that are managed by Rainbow CTI & Media Bridge application to handle calls received from telephone system via SIP trunk. Remote Extension Prefix is required so that internal extensions do not conflict with PBX existing dial plan).

Prefix

You can either select the prefix of these remote extensions same as SIP Trunk prefix configured in PABX settings section or you can assign some other prefix by selecting the appropriate option.

Extension Pattern

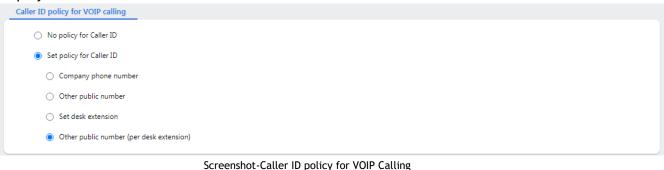
Select whether you want to use similar extension pattern as opted in PABX settings or do you want to use a random extension length. If you opt for a random extension length, then please do mention the exact length from the drop down next to this option.

Prefix	() Remote Extensions Numbering Plan
Same Prefix configured in PABX	Remote Extensions are entities that are managed by Rainbow CTI & Media Bridge application to handle calls received from telephone
Other Number 10	system via SIP trunk. The number pattern for these extensions should not conflict with the numbering plan already defined in necks4000, else the calls will not be transferred to Rainbow CTI & Media Bridge application via SIP Trunk.
Extension Pattern	The number format for remote extensions is divided into two parts. The first part is the prefix for the remote extension number; which can
Desk extension	either be the same as the prefix defined while setting up the SIP trunk in mecis4000 or can be a different custom number. Along with prefix, the second part of remote extension number can either be a random number of selected length, or can be same as desk extension.
A random extension of length	Fullescies and a second conduct address of the constant enderships at hade of the conducted as

Screenshot-Remote Extensions Numbering Plan Settings

3.4.3 Caller ID Policy for VOIP calling

You can select a particular policy for Caller ID option in this section. Simply opt for first option if you don't want to adopt a policy. If you select the second option, another menu opens up as displayed below:



Company Phone Number

Enter company phone number that you want to display as caller ID when a call is received on another extension from your extension.

Other Public Number

Enter some random public number that you want to display as caller ID when a call is received on another extension from your extension.

Set Desk extension

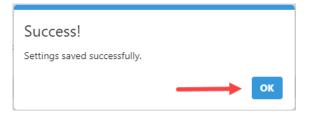
Select this option if you want to display your assigned desk extension as caller ID when a call is received on another extension from your extension.

Other Public Number (per desk extension)

Select this option if you want to display some other public number that is assigned as your desk extension as caller ID when a call is received on another extension from your extension.

Once you have entered the details into each field, click Update.

You will be presented with the popup window, click **OK**, as shown below.



Screenshot-Message from Application

3.5 Starting and Stopping Rainbow CTI & Media Bridge Service

Once the configuration is updated, Rainbow CTI & Media Bridge Service can be started to establish a connection with Rainbow Server.

Go to system screen by clicking on "System"

The "*System*" screen provides an easy interface to start or stop the service without the need to go to Windows Services Control Manager.

Rainbow [™]	≡ CTI & Media Bridge I ver	rsion 4.0.0.4	•
😂 Control Panel 🛛 👻	5- System		
▷- System	Services Control Panel		
Dashboard	Services control Panel		
🕲 Active Calls	C Rainbow CTI & Media Br	idge - Stopped	Start
Active Extensions			
🔘 Settings 🛛 👻	Running Statistics		
Configuration			
🔲 РАВХ	Started at Running time	N/A N/A	
🗟 Extensions			
Ø Media Gateway	Connectivity Statistics		
🗄 General 🗸 👻			
📴 System Settings	Rainbow XMPP Rainbow PCG	Disconnected	
& Business Partner	Telephone System (NECIS4000)	Disconnected	
🖒 Report an Issue	Last Heartbeat At	N/A	
172.20.50.21/webadmin/#/controlpan	-		Rainbow CTI & Media Bridge 2021
172-20-30-21/webadmin/#/controlpan	101		

Screenshot - System

The Service screen displays the status of the Rainbow CTI & Media Bridge service. Using this screen, you can either start or stop the service.

On the left, you will see an LED indicating the current state of the service. A **Green** LED icon indicates that this service is running. A **Red** LED icon indicates that it is stopped. You can find the Stop or Start button on the right. Click that button to either start or stop the service.

The figure below shows the state when Rainbow CTI & Media Bridge service is in running state.



R Rainbow [™]	E CTI & Media Bridge 1 Version 4.0.0.4
Scontrol Panel *	E System
∑= System	Services Control Panel
Dashboard	Services Control Value
🕲 Active Calls	C Rainbow CTI & Media Bridge - Running
Active Extensions	
Settings *	Running Statistics
Configuration	Started at Monday, May 31, 2021 600:10 PM
PABX	Started at Monday, May 31, Xiz Toutes 10 PM Running time 0d 0h 21m
Extensions	
Ø Media Gateway	Connectivity Statistics
General Y	Rainbow XMIPP Connected
System Settings	Rainfor PCG Convetted
器 Business Partner	Telephone System (H4CI54000) Connected Last Heartbeat At Monday, May 31, 2021 62030 PM
Report an Issue	Less meanurean Hi miuricagi, magisi, cuci nacusa vini

Screenshot-System

4 Calls and Extensions

4.1 Dashboard

Rainbow CTI & Media Bridge has a number of pre-selected statistics such as **CTI Connector connection status**, **Monitored & Un-monitored extensions list** and **On-going Calls**. To view statistics, click on the **Dashboard** from the left menu, as shown below.

R Rainbow [™]	≡ CTI & Media Bridge ı ve	rsion 4.0.0.4	•
Control Panel *	5 System		•
System			
Dashboard	Services Control Panel		
C Active Calls	() Rainbow CTI & Media Br	ridge - Stopped	Surt
Active Extensions			
Settings	Running Statistics		
Configuration			
П РАВХ	Started at Running time	N/A N/A	
Extensions	Kulling tine	N/A	
Media Gateway	Connectivity Statistics		
General Y			
System Settings	Rainbow XMPP	Disconnected	
	Rainbow PCG	Disconnected	
😤 Business Partner	Telephone System (NECIS4000) Last Heartbeat At	Disconnected N/A	
🕼 Report an Issue	Last Rearibeat At	IN/A	
172.20.50.21/webadmin/#/controlpa	nel		Rainbow CTI & Media Bridge 2021

Screenshot -System

You will be presented with the screen, as shown below.

000	Extension	ns Monitoring
20 USERS ENTRIES	22 success	1 FAILURE
	Rainb	ow Users
107 Total processed	4 cri	7 CTI & VOIP
	USERS ENTRIES	20 USERS ENTRIES SUCCESS Rainb 107 4

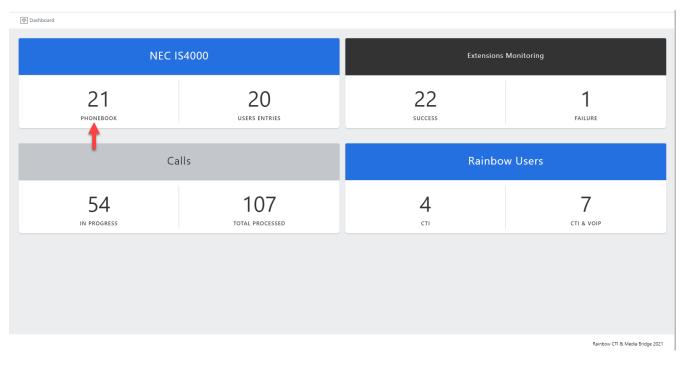
Screenshot-Dashboard

The dashboard tab provides wealth of information that can fast track troubleshooting.

4.2 Extensions & User Entries

Rainbow CTI & Media Bridge retrieves the list of total extensions/users entries available in NEC IS4000 PBX and sends that information to Rainbow Server. This information is then made available in Rainbow Enterprise configuration.

If you want to see the list of telephone extensions/Users entries, click on the **PHONEBOOK**, as shown below.



Screenshot-Dashboard

You will be presented with the screen, as shown below

F				
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension 31000
1000	CTI & VOIP		15156515666	31001
1002	СТІ			31002
1 003	CTI & VOIP			31003
1004	СТІ			31004
1 005	CTI & VOIP			31005
20 1006	СТІ			31006
5] 1007	CTI & VOIP			31007
20 1008	СТІ			31008
\$] 1009	CTI & VOIP		213zxc212vbn	31009
« 1 2 »				10 rows per page 🖨

Screenshot- Extensions

You can also go to extensions screen by clicking on the Extensions tab from the left menu, as shown.

R Rainbow [™]		≡ CTI & Media Bridge । ve	rsion 4.0.0.4	A :
Scontrol Panel	•	5- System		
5- System				
Dashboard		Services Control Panel		
C Active Calls		() Rainbow CTI & Media Br	ridge - Stopped	Start
Active Extensions				
Settings	•	Running Statistics		
Configuration		Running Statistics		
PABX		Started at	N/A	
		Running time	N/A	
중 Extensions				
Media Gateway		Connectivity Statistics		
General	~			
🖶 System Settings		Rainbow XMPP Rainbow PCG	Disconnected Disconnected	
😤 Business Partner		Telephone System (NECIS4000)	Disconnected	
🕼 Report an Issue		Last Heartbeat At	N/A	
172.20.50.21/webadmin/#/co	e			Rainbow CTI & Media Bridge 2021
172-20-30-21/Web8dmin/#/co	ntroipanei			

Screenshot-System

You will be presented with the screen, as shown below

All CTI CTI & VOIP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
\$] 1000	CTI & VOIP		132sfd325eee	31000
<u>\$</u> 1001	CTI & VOIP			31001
60 1002	СТІ			31002
<u>\$</u> 1003	CTI & VOIP			31003
6 1004	СТІ			31004
\$] 1005	CTI & VOIP			31005
60 1006	СТІ			31006
\$] 1007	CTI & VOIP			31007
6 1008	СТІ			31008
<u>\$</u> 1009	CTI & VOIP		213zxc212vbn	31009
« 1 2 »				10 rows per page 🗢

Screenshot- Extensions

4.2.1 CTI & VOIP

VOIP introduces a routing menu Other Number in the Rainbow application to forward the PBX calls to a second extension configured with an external or internal number. It is based on Virtual Extension device on the Media Gateway.

Note: Every new extension will have CTI & VOIP set as operating mode.

If you want to handle any specific desk extension (PABX) call onto rainbow interface both in terms of signaling and voice then select CTI option from the drop down menu after clicking on **Edit** button. Once you have set the options, click **Update** as shown below:

AII CTI CTI & VOIP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP		132sfd325eee	31000
1001	CTI & VOIP			31001
2) 1002	СТІ			31002
1003	CTI & VOIP			31003
20 1004	СТІ			31004
1005	CTI & VOIP			31005
2) 1006	СТІ			31006
1007	CTI & VOIP			31007
20 1008	СТІ			31008
1009	CTI & VOIP		213zxc212vbn	31009
« 1 2 »				rows per page

Rainbow CTI & Media Bridge 2021

Screenshot- Edit Button on Extensions Page

All CTI CTI & VOIP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
C 1000	CTI & VOIP		132sfd325eee	31000
1 001	CTI CTI & VOIP			31001
W 1002	сті 🗸			31002
<u>C</u> 1003	CTI & VOIP			31003
6 1004	сп. 🗸			31004
4] 1005	CTI & VOIP 🗸			31005
6 1006	сп. 🗸			31006
1007	CTI & VOIP			31007
(2) 1008	CTI 🗸			31008
5 1009	CTI & VOIP 🗸		213zxc212vbn	31009
« 1 2 »				10 rows per page

Screenshot - Updating Operating Mode of an Extension

AII CTI CTI & VOI	P			Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
4] 1000	CTI & VOIP		132sfd325eee	31000
\$] 1001	CTI & VOIP 🛛 🗸			31001
& 1002				31002
5 1003	CTI & VOIP 🖌			31003
& 1004				31004
1 005	CTI & VOIP 🖌			31005
6 1006	CTI 🗸			31006
<u>C</u> 1007	CTI & VOIP 🖌			31007
6 1008				31008
<u>C</u> 1009	CTI & VOIP 🖌		213zxc212vbn	31009
« 1 2 »				10 rows per page

Rainbow CTI & Media Bridge 2021

Screenshot-Updating Extensions

You will be presented with the popup window, click **OK**, as shown below.

Success!	
Settings saved successfully.	
	ок

Screenshot-Message from Application

While updating the Operating Mode of added extensions, you can also set DDI information for these extensions. If Operating Mode is set as **CTI & VOIP** then DDI information can be manually added and if operating mode is set as CTI, then DDI information cannot be altered and the value stored in CTI & VOIP mode is stored in the extension as shown below:

AII CTI CTI & VOIP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP 🖌	321	132sfd325eee	31000
1001	CTI & VOIP 🖌	565		31001
2) 1002	сті 🗸			31002
1003	CTI & VOIP 🖌			31003
20 1004	टा। 🗸			31004
1005	CTI & VOIP 🖌			31005
2) 1006	СП 🗸			31006
1007	CTI & VOIP 🖌			31007
20 1008	त्ता 👻			31008
1009	CTI & VOIP 🗸		213zxc212vbn	31009

Screenshot- Extensions

4.2.2 Add Extension

You can also add new extensions by clicking on the Add Extensions button available at the bottom of the page as highlighted below:

All CTI CTI & VOIP				Search
extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
x 30				10 rows per page
Note : For the changes to take effect, Rainbow	v CTI & Media Bridge services needs to be restarted via Services Cont	rol Panel.		Cancel Update Edit Add Ex

Screenshot- Extensions

Following page is displayed when you click on Add Extensions button:

음 Extension		
Information		
Extension * DDI	[1001-1025 1001	
Note : For the changes to ta	effect, Rainbow CTI & Media Bridge services needs to be restarted via Services Control Panel.	Cancel Save
	Consider Add Edu	
	Screenshot- Add Exte	nsions

Extension - You can provide a single extension or a range of extensions (100 - 125) in this field.

DDI - Provide a DDI that you want to be assigned to all the newly added extensions.

Once done, click on Save Button as highlighted below:

Extension		
Information		
Extension *	1003-1099	
DDI	34342342	
Note : For the changes to ta	ke effect, Rainbow CTI & Media Bridge services needs to be restarted via Services Control Panel.	Cancel Sav

Screenshot- Add Extensions

4.3 Monitored Extensions

Once necessary configuration is done in Rainbow Enterprise configuration, the information of telephone extensions that need to be monitored is sent to CTI & Media Bridge. The "Monitored Extensions" shows the total number of extensions that are successfully registered for monitoring by CTI & Media Bridge.

If you want to see the list of telephone extensions monitored, click on the SUCCESS from **Extension Monitoring** widget, as shown below.

Dashboard			
NEC	S4000	Extension	s Monitoring
21 PHONEBOOK	20 USERS ENTRIES	22 success	1 FAILURE
Ca	alls	Rainbo	ow Users
54 IN PROGRESS	107 Total processed	4 cTI	7 cti & voip
			Rainbow CTI & Media Bridge 2021

Screenshot-Dashboard

You will be presented with the screen, as shown below

All Monitored Unmoni		Search
Extension 340	Time Stamp Tuesday, February 4, 2020 6:48:00 PM	
8005	Tuesday, February 4, 2020 6:48:00 PM	
« 1 »		10 rows per page

Screenshot-Monitored Extensions

You can also go to statistics screen by clicking on the Active Extension tab from the left menu, as shown.

R Rainbow [™]	≡ CTI & Media Bridge । ver	sion 4.0.0.4	S :
Scontrol Panel 👻	>- System		
5- System	Services Control Panel		
Dashboard	Services Control Parler		
🔇 Active Calls	Rainbow CTI & Media Bri	dge - Stopped	Start
🗟 Active Extensions 🔫	_		
🔘 Settings 🗸 🗸	Running Statistics		
Configuration			
PABX PABX	Started at Running time	N/A N/A	
🗟 Extensions			
Ø Media Gateway	Connectivity Statistics		
General ×			
🖶 System Settings	Rainbow XMPP Rainbow PCG	Disconnected	
🛞 Business Partner	Telephone System (NECIS4000)	Disconnected	
Co Report an Issue	Last Heartbeat At	N/A	
172.20.50.21/webadmin/#/controlpan	el		Rainbow CT & Meda Bridge 2021

Screenshot-System

You will be presented with the list of all both monitored and unmonitored extensions, as shown below:

Extension	Time Stamp	
340	Tuesday, February 4, 2020 6:48:00 PM	
8005	Tuesday, February 4, 2020 6:48:00 PM	
« 1 »		10 rows per page

Screenshot-Active Extensions

Click on the Monitored tab from top menu, as shown below.

All Monitored Unmonito	red	Search
Extension	Time Stamp	
340	Tuesday, February 4, 2020 6:48:00 PM	
8005	Tuesday, February 4, 2020 6:48:00 PM	
« 1 »		10 rows per page

Screenshot-Active Extensions

You will be presented with the monitored extensions, as shown below

Active Extensions		
All Monitored Unmonito		Search
Extension 340	Time Stamp Tuesday, February 4, 2020 6:48:00 PM	
8005	Tuesday, February 4, 2020 6:48:00 PM	
« 1 »		10 rows per page 🗢
		Rainbow CTI & Media Bridg

Screenshot-Monitored Extensions

Key in the extension number in order to search for a specific monitored extension, as shown below.

Active Extensions		
All Monitored Unmonitored		8005 ×
Extension	Time Stamp	
8005	Tuesday, February 4, 2020 6:48:00 PM	
« 1 »		10 rows per page 🗢

Screenshot-Monitored Extensions

4.4 Unsuccessful monitoring of extensions

There could be many reasons due to which CTI & Media Bridge may not be able to monitor an extension. The reasons could range from missing configuration to a faulty phone cable.

This section gives the total number of extensions that could not be monitored. If you want to see the list of telephone extensions that are not monitored, click on **FAILURE** from **Extension Monitoring** widget, as shown below:

(The contract of the contract			
NEC	154000	Extensio	ns Monitoring
21 рнолевоок	20 USERS ENTRIES	22 success	1 FAILURE
Ci	alls	Rainb	ow Users
54 IN PROGRESS	107 Total processed	4 c11	7 cti & voip
			Rainbow CTI & Media Bridge 2021

Screenshot-Dashboard

You will be presented with the screen, as shown below

Extension	Time Stamp	
6001	Thursday, July 2, 2020 11:05:00 PM	
6002	Thursday, July 2, 2020 11:05:00 PM	
6005	Thursday, July 2, 2020 11:05:00 PM	

Screenshot-Unmonitored Extensions

You can also go to active extensions screen by clicking on the Active Extensions tab from the left menu, as shown below:

R Rainbow [™]	≡ CTI & Media Bridge I ver	sion 4.0.0.4	•
😂 Control Panel 🔹	>- System		
▷- System	Services Control Panel		
Dashboard			
🕲 Active Calls	C Rainbow CTI & Media Bri	idge - Stopped	Start
🙆 Active Extensions 📥	_		
💮 Settings 🗸 🗸	Running Statistics		
Configuration			
PABX	Started at Running time	N/A N/A	
Extensions			
Media Gateway	Connectivity Statistics		
🔠 General 🗸 👻			
📴 System Settings	Rainbow XMPP Rainbow PCG	Disconnected Disconnected	
😤 Business Partner	Telephone System (NECIS4000)	Disconnected	
🕄 Report an Issue	Last Heartbeat At	N/A	
<			Rainbow CTI & Media Bridge 2021
172.20.50.21/webadmin/#/controlpan	el		

Screenshot-System

You will be presented with the list of both monitored and unmonitored extensions, as shown below:

All Monitored Unmol	nitored	Search
340	Time Stamp Tuesday, February 4, 2020 6:48:00 PM	
8005	Tuesday, February 4, 2020 6:48:00 PM	
« 1 »		10 rows per page

Screenshot-Active Extensions

Click on the Unmonitored tab from top menu, as shown.

Extension	Time Stamp	
340	Tuesday, February 4, 2020 6:48:00 PM	
8005	Tuesday, February 4, 2020 6:48:00 PM	
« 1 »		10 rows per page

Rainbow CTI & Media Bridge 2021

Screenshot-Active Extensions

You will be presented with the list of unmonitored extensions, as shown below:

Extension	Time Stamp	
6001	Thursday, July 2, 2020 11:05:00 PM	
6002	Thursday, July 2, 2020 11:05:00 PM	
6005	Thursday, July 2, 2020 11:05:00 PM	

Screenshot-Unmonitored Extensions

Key in the extension number in order to search for a specific unmonitored extension.

4.5 Seeing active calls in the system

Rainbow CTI & Media Bridge provides a way to see the currently in-progress calls in the system. This may be needed during troubleshooting to see if certain calls are being recognized and correctly passed on to Rainbow Server.

To see the details of the **calls in progress**; click on "**IN PROGRESS**" from **Calls** widget, as shown below.

Dashboard			
NEC I	154000	Extension	ns Monitoring
21 рномевоок	20 USERS ENTRIES	22 SUCCESS	1 FAILURE
C	alls	Rainb	ow Users
54 IN PROGRESS	107 Total processed	4 c1	7 cti & voip
			Rainbow CTI & Media Bridge 2021

Screenshot-Dashboard

You will be presented with the screen with calls' current state, as shown below.

			Search
Extension	Called By	Called To	State
8005 🗖 🛧	8005	340	CONNECTED
« 1 »			10 rows per page

Screenshot-Active Calls

Connected calls will be shown, as below.

Active Calls				
				Search
Extension	Called By	Called To	State	
8005 🛄 🛧	8005	340	CONNECTED	
« <u>1</u> »				10 rows per page

Screenshot- Active Calls

The **"Total Processed"** stat shows the total number of calls; Rainbow CTI & Media Bridge service has processed since its last restart.

(P) Dashboard			
NEC	154000	Extensior	ıs Monitoring
21 рнолевоок	20 USERS ENTRIES	22 success	1 FAILURE
C	alls	Rainb	ow Users
54 IN PROGRESS	107 Total processed	4 сті	7 CTI & VOIP
	1		
			Rainbow CTI & Media Bridge 2021

Screenshot-Dashboard

4.6 Seeing active users in the system

Rainbow CTI & Media Bridge provides a way to see the currently active users in the system (CTI users as well as CTI & VOIP users).

To see the details of the CTI users; click on "CTI" from Rainbow Users widget, as shown below.

Dashboard			
NEC	154000	Extensio	ns Monitoring
21 рнолевоок	20 USERS ENTRIES	22 success	1 FAILURE
C	alls	Rainb	ow Users
54 IN PROGRESS	107 Total processed	4 cti	7 cti & voip
		т	
			Rainbow CTI & Media Bridge 2021

Screenshot-Dashboard

You will be presented with the screen with Rainbow users using CTI extension, as shown below.

All CTI CTI & VOIP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
() 1002	СТІ			31002
() 1004	сті			31004
W 1006	сті			31006
W 1008	СТІ			31008
« 1 »				10 rows per page



You can also go to statistics screen by clicking on the Extension tab from the left menu, as shown.



R Rainbow [™]	≡ CTI & Media Bridge I ve	rsion 4.0.0.4	8
Scontrol Panel *	>- System		
5 System	Services Control Panel		
Dashboard	Services control Paller		
🔇 Active Calls	C Rainbow CTI & Media Br	ridge - Stopped	Start
Active Extensions			
Settings *	Running Statistics		
Configuration			
равх	Started at Running time	N/A N/A	
🗟 Extensions	-		
Media Gateway	Connectivity Statistics		
General ×			
System Settings	Rainbow XMPP Rainbow PCG	Disconnected	
😹 Business Partner	Telephone System (NECIS4000)	Disconnected	
Report an Issue	Last Heartbeat At	N/A	
LO Report an Issue			
172.20.50.21/webadmin/#/controlpanel			Rainbow CTI & Media Bridge 2021

Screenshot-System

You will be presented with the list of all user both CTI and CTI & VOIP extensions, as shown below:

AII CTI CTI & VOIP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP		132sfd325eee	31000
1 001	CTI & VOIP			31001
() 1002	СТІ			31002
1 003	CTI & VOIP			31003
E 1004	СТІ			31004
1 005	CTI & VOIP			31005
EN 1006	СТІ			31006
1 007	CTI & VOIP			31007
20 1008	СТІ			31008
\$] 1009	CTI & VOIP		213zxc212vbn	31009
« 1 2 »				10 rows per page

Rainbow CTI & Media Bridge 2021

Screenshot- Extensions

Click on the CTI tab from top menu, as shown below.

AII CTI CTI & VOLP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP		132sfd325eee	31000
1001	CTI & VOIP			31001
1002	СТІ			31002
1003	CTI & VOIP			31003
20 1004	СТІ			31004
1005	CTI & VOIP			31005
2) 1006	СТІ			31006
1007	CTI & VOIP			31007
2 1008	СТІ			31008
1009	CTI & VOIP		213zxc212vbn	31009
« 1 2 »				10 rows per page

Screenshot- Extensions

You will be presented with the CTI extensions, as shown below

All CTI CTI &	VOIP			Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
(2) 1002	СТІ			31002
() 1004	СТІ			31004
() 1006	СТІ			31006
20 1008	сті			31008
« 1 »				10 rows per page

Screenshot- CTI Extensions

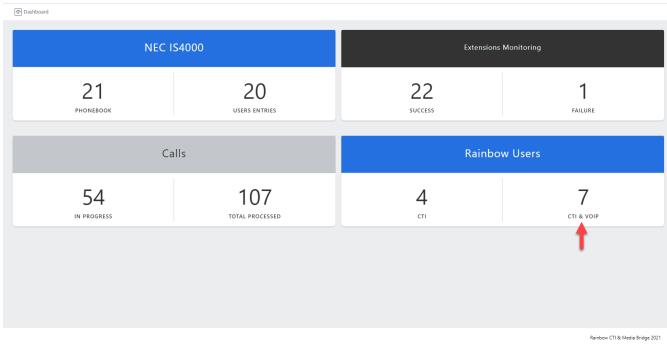
Key in the extension number in order to search for a specific monitored extension, as shown below.

_

© 1002 CTI 31002	xtension	Operating Mode	DDI	Rainbow User ID	Remote Extension
* 1 »				Nambow Oser 10	
	« 1 »				10 rows per page

Screenshot-CTI Extensions

To see the details of the CTI & VOIP users; click on "CTI & VOIP" from Rainbow Users widget, as shown below.



Screenshot-Dashboard

You will be presented with the screen with Rainbow users using CTI & VOIP extension, as shown below.

Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP		132sfd325eee	31000
1001	CTI & VOIP			31001
1003	CTI & VOIP			31003
1005	CTI & VOIP			31005
1007	CTI & VOIP			31007
1009	CTI & VOIP		213zxc212vbn	31009
1225	CTI & VOIP	1001	132sfd325eee	31225
« 1 »				10 rows per pag

Screenshot-CTI & VOIP Extensions

Rambow CTI of Media bridge 2021

You can also go to statistics screen by clicking on the Extension tab from the left menu, as shown.

R Rainbow [™]	≡ CTI & Media Bridge I ver	sion 4.0.0.4	
Scontrol Panel -	∑- System		
5- System	Services Control Panel		
Dashboard	Services Control Panel		
🛞 Active Calls	C Rainbow CTI & Media Bri	idge - Stopped	Start
Active Extensions			
Settings *	Running Statistics		
Configuration			
PABX	Started at Running time	N/A N/A	
🗟 Extensions 🚽	_		
Ø Media Gateway	Connectivity Statistics		
General Y			
🗊 System Settings	Rainbow XMPP Rainbow PCG	Disconnected	
& Business Partner	Telephone System (NECIS4000)	Disconnected	
🕼 Report an Issue	Last Heartbeat At	N/A	
			Rainbow CTI & Media Bridge 2021
172.20.50.21/webadmin/#/controlpan	iel		

Screenshot-System

You will be presented with the list of all user both CTI and CTI & VOIP extensions, as shown below:

AII CTI CTI & VOIP				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP		132sfd325eee	31000
1001	CTI & VOIP			31001
1002	СТІ			31002
1003	CTI & VOIP			31003
1004	СТІ			31004
1005	CTI & VOIP			31005
1006	СТІ			31006
1007	CTI & VOIP			31007
1008	СТІ			31008
1009	CTI & VOIP		213zxc212vbn	31009
α 1 2 »				10 rows per page

Screenshot- Extensions

Click on the CTI & VOIP tab from top menu, as shown below.

				Search
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP		132sfd325eee	31000
5] 1001	CTI & VOIP			31001
& 1002	сті			31002
\$] 1003	CTI & VOIP			31003
6 1004	СТІ			31004
C 1005	CTI & VOIP			31005
6 1006	СТІ			31006
4] 1007	CTI & VOIP			31007
60 1008	СТІ			31008
47 1009	CTI & VOIP		213zxc212vbn	31009
« 1 2 »				10 rows per page

Rainbow CTI & Media Bridge 2021

Screenshot- Extensions

You will be presented with the CTI & VOIP extensions, as shown below

Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1000	CTI & VOIP		132sfd325eee	31000
1001	CTI & VOIP			31001
1003	CTI & VOIP			31003
1005	CTI & VOIP			31005
1007	CTI & VOIP			31007
1009	CTI & VOIP		213zxc212vbn	31009
1225	CTI & VOIP	1001	132sfd325eee	31225
« 1 »				10 rows per page

Rainbow CTI & Media Bridge 2021

Screenshot- CTI & VOIP Extensions

Key in the extension number in order to search for a specific monitored extension, as shown below.

xtensions				
All CTI CTI & VOIP				1009
Extension	Operating Mode	DDI	Rainbow User ID	Remote Extension
1009	CTI & VOIP		213zxc212vbn	31009
« 1 »				10 rows per page
Note : For the changes to take effect, Rain	bow CTI & Media Bridge services needs to be	e restarted via Services Control Panel.	Canc	el Update Edit Add Exten

Screenshot-CTI & VOIP Extensions

5 General

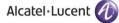
5.1 System Settings

In order to setup traces and SMTP settings, click on System settings option in the left-hand menu as shown below:

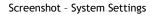
R Rainbow [™]	≡ CTI & Media Bridge । ver	sion 4.0.0.4	8 :
Scontrol Panel *	5- System		
5 System	Services Control Panel		
Dashboard	Services Control Paller		
🔇 Active Calls	C Rainbow CTI & Media Bri	idge - Stopped	Start
Active Extensions			
🛞 Settings 🛛 👻	Running Statistics		
Configuration			
🔲 РАВХ	Started at Running time	N/A N/A	
🗟 Extensions			
Media Gateway	Connectivity Statistics		
General Y			
🗊 System Settings ┥	Rainbow XMPP Rainbow PCG	Disconnected	
🛞 Business Partner	Telephone System (NECIS4000)	Disconnected	
Co Report an Issue	Last Heartbeat At	N/A	
172.20.50.21/webadmin/#/controlpan			Rainbow CTI & Media Bridge 2021
172-20.30-21/webadmin/#/controlpan			

Screenshot-System

Following screen will be displayed:



E System Settings		
Traces		
Traces		
Location *		
File Size *	0 (Kbs)	
No of Files *	٥	
General		
Telephony		
Communication		
Error		
SMTP Settings		
Server *		
Port *		
Username		
Password Sender Email Address *		
SSL Enabled		
	Test SMTP Settings	
Note : For the changes to take e	effect, Rainbow CTI & Media Bridge services needs to be restarted via Services Control Panel.	Cancel Update
		Rainbow CTI & Media Bridge 202



5.1.1 Traces

The first section of System settings page is concerned with configuration of traces. A combination of Traces categories can be selected to generate logs only for the relevant information that is needed for troubleshooting. Once you have entered the details into each field, click **Update**, as shown below

ocation *	C:\Program Files (x86)	Alcatel-Lucent Enterprise\Rainbow CTI and	
ile Size *	5000	(Kbs)	
No of Files *	20		
Seneral			
elephony			
communication			
rror			
	-		

Screenshot-Traces

- **NOTE:** The more comprehensive the traces are, the more CPU resources are used up by the server. Please be careful when setting up tracing level.
- NOTE: Traces do not need to be enabled during usual functional activities. If there is an issue being experienced then support engineers can set the appropriate trace levels. CTI & Media Bridge service restart is required after updating the traces configuration.

5.1.2 SMTP Settings

Rainbow CTI & Media Bridge provides the ability to send emails to business partners whenever an issue is encountered in the application. In order to activate this email feature, you need to provide details of the STMP server that will be used to send the emails.

To configure SMTP settings, you need to provide the following information:

Server:

This is IP address domain name of your SMTP server.

Port:

This is the port used for sending emails by SMTP server.

Username:

This is the username used when sending emails from Rainbow CTI & Media Bridge to your SMTP Server.

Password:

This is the password used when sending email from Rainbow CTI & Media Bridge to your SMTP server.

Sender Email Address:

This is the email address used for sending the emails.

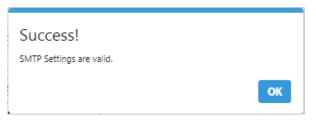
SSL Enabled:

This is the connection that will be used for sending emails from secure SMTP server. This option should be checked, if you're using TLS enabled secure SMTP server.

Note: Username and password are optional fields for cases where Authentication is not setup for outgoing SMTP server.

A special button by the name of Test SMTP settings is available at the bottom of the section. Click on it and if the settings are valid, following pop up window will be displayed:





Screenshot-Message from Application

In case of invalid SMTP settings, following pop up window will be displayed:



Screenshot-Message from Application

Once you have provided required information in Traces section and SMTP settings section, click on Update button as shown below:



25		
Location *	C:\Program Files (x86)\Alcatel-Lucent Enterprise\Rainbow CTI and	
File Size *	5000 (Kbs)	
No of Files *	20	
General		
Telephony		
Communication		
Error		
settings		
	smtn alratel.lurent.com	
Settings Server * Port *	smtp.aicatei-lucent.com	
Server * Port *		
Server *	587	
Server * Port * Username	587 john.doe@alcatel-lucent.com	
Server * Port * Usemame Password	S87 john.doe@alcatel-lucent.com	

Rainbow CTI & Media Bridge 2021

Screenshot - System Settings

You will be presented with the popup window, click **OK**, as shown below.

Success! Settings saved successfully.		
	\rightarrow	ок

Screenshot-Message from Application

5.2 Business Partner

Rainbow CTI & Media Bridge enables users to send emails to their businesses partners whenever a technical issue is encountered through Report an Issue section. Information provided in Business partner section is used to send an email to your cornered partner. In order to provide contact information for your partner, click on Business Partner option in left hand menu as shown below:

R Rainbow [™]	≡ CTI & Media Bridge ı ver	rsion 4.0.0.4	•
Scontrol Panel •	5- System		
5 System	Services Control Panel		
Dashboard	Services Control Paller		
🔇 Active Calls	C Rainbow CTI & Media Br	idge - Stopped	Start
Active Extensions			
🙆 Settings 🛛 👻	Running Statistics		
Configuration			
РАВХ	Started at Running time	N/A N/A	
🗟 Extensions			
Ø Media Gateway	Connectivity Statistics		
General Y			
🗟 System Settings	Rainbow XMPP Rainbow PCG	Disconnected	
🛞 Business Partner	Telephone System (NECIS4000)	Disconnected Disconnected	
Report an Issue	Last Heartbeat At	N/A	
CO Report an Issue			
4 172.20.50.21/webadmin/#/controlp	anel		Rainbow CTI & Media Bridge 2021

Screenshot - System

Following page will be displayed:

8 Business Partner				
Business Partner Details				
First Name * Last Name * Email *	① Information The business partner details are required for cases, when an end-user wants to report an issue or a suggestion related to the Rainbow CTI & Media Bridge application functionality. On basis of the provided information (via email as mentioned), the business partner will raise a ticket or CR.			
		Cancel	Update	



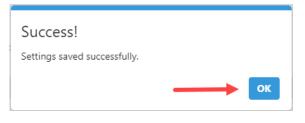
All the fields in this page are self-explanatory. Once the required information is entered, click on the update button as displayed below:

8 Business Partner			
Business Partner Details			
First Name *	John	Information The business partner details are required for cases, when an end-user wants to report an issue or a	
Last Name *	Doe	suggestion related to the Rainbow CTI & Media Bridge application functionality. On basis of the provided information (via email as mentioned), the business partner will raise a ticket or CR.	
Email *	John.Doe@alcatel-lucent.com		-
			Cancel Update

Screenshot - Business Partner

You will be presented with the popup window, click **OK**, as shown below.

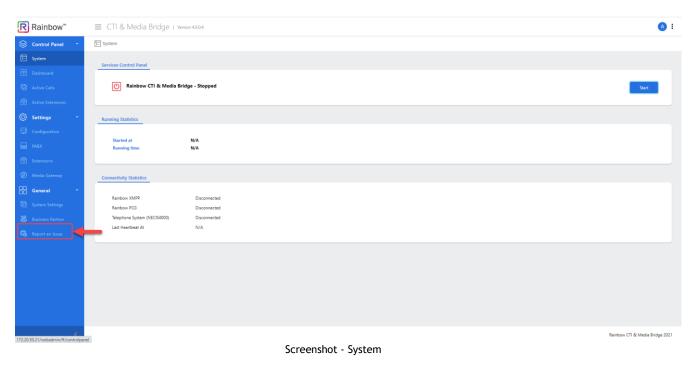




Screenshot-Message from Application

5.3 Report an Issue

Users of Rainbow CTI & Media Bridge are empowered to report any technical issue to their business partner from within the application. For this, click on Report an Issue option from the left menu as shown below:



Following screen will be displayed:



Report an Issue	
Issue Details	
issue Details	
Site/Customer Name	
Issue Occurrence	Always 🗸
Summary	
Description	
Environment	
	(operating system, software platform and/or hardware
	specifications (include as appropriate for the issue)
Affected Platform	
Rainbow Web Application	
Rainbow Desktop Application	
Rainbow Mobile Application (iOS)	
Rainbow Mobile Application (Android	
Rainbow CTI & Media Bridge Adminis	
Logs Attachments Rainbow CTI & Media Bridge Logs	
Kainbow Chi & Media Bhuge Logs	
Rainbow Web/Desktop Application Logs	
webRTC Gateway Logs	
	0-
	Cancel Submit Save Logs
	Screenshot - Report an Issue

Provide the necessary information in the following fields:

Site /Customer Name:

Provide name of site or customer in this field.

Issue Occurrence:

Select an option that gives a general ideal of how many times does this particular issue occurs. Following options are available:

- Always
- Intermittent
- Rarely

Summary:

Provide a short subject or summary of the technical issue that you are facing.

Description:

Provide a detailed description of the technical issue that you are facing.

Environment:

Provide details about the environment in which the technical issue has been raised.

Affected platform:

Select the platform in which the technical issue has been raised.

Logs Attachments

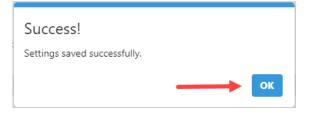


Select the appropriate logs that should be sent as attachments with the email to Business Partner.

Note: While reporting an issue, it is advisable to attach the logs (from the required module) as it will help to better understand the problem. However, it is not mandatory and an issue can be reported (via an email) without attaching any logs.

Once you have provided the necessary information, click on **Submit** button.

You will be presented with the popup window, click **OK**, as shown below.



Screenshot-Message from Application

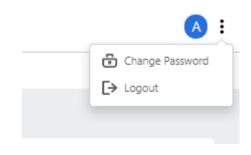
6 Change Password

Users of Rainbow CTI & Media Bridge application can change their account password by clicking on the icon displayed in the top right corner of any screen as highlighted below:

Rainbow [™]	≡ CTI & Media Bridge I v	Version 4.0.0.4	
Scontrol Panel *	5- System		
► System	Services Control Panel		
Dashboard	Services Control Parler		
🔇 Active Calls	C Rainbow CTI & Media B	Bridge - Stopped	Start
Active Extensions			
Settings ×	Running Statistics		
Configuration			
равх	Started at Running time	NA NA	
🕾 Extensions			
Ø Media Gateway	Connectivity Statistics		
General Y	Rainbow XMPP		
🗊 System Settings	Rainbow XMPP Rainbow PCG	Disconnected Disconnected	
😤 Business Partner	Telephone System (NECIS4000)	Disconnected	
🔁 Report an Issue	Last Heartbeat At	N/A	

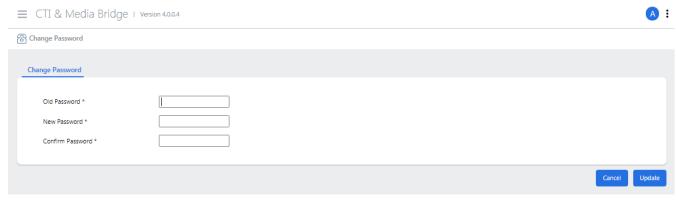
Screenshot-System

Following menu opens up when you click on this icon:



Screenshot- Drop Down Menu

Click on Change Password option and following screen is displayed:



Screenshot- Change Password

All the fields are self-explanatory.

Note: New password must consist of more than 7 characters.

Once you have provided required information. Click on Update button as displayed below:

중 Change Password			
Change Password			
Old Password *	••••••		
New Password *	•••••		
Confirm Password *			
			Cancel Update

Screenshot- Change Password

You will be presented with the popup window, click **OK**, as shown below.

Success!		
Settings saved successfully.		
	\longrightarrow	ОК

Screenshot-Message from Application

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