

eSSL- eBioserverNew

--- eSSL eBioserverNew Help Manual

Version	:	eBioserverNew 1.2
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No. of Pages	:	27

About This Manual: This document introduces the main functions, the user interface and operations of the eBioserverNew location wise

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What is eSSL eBioServerNew?

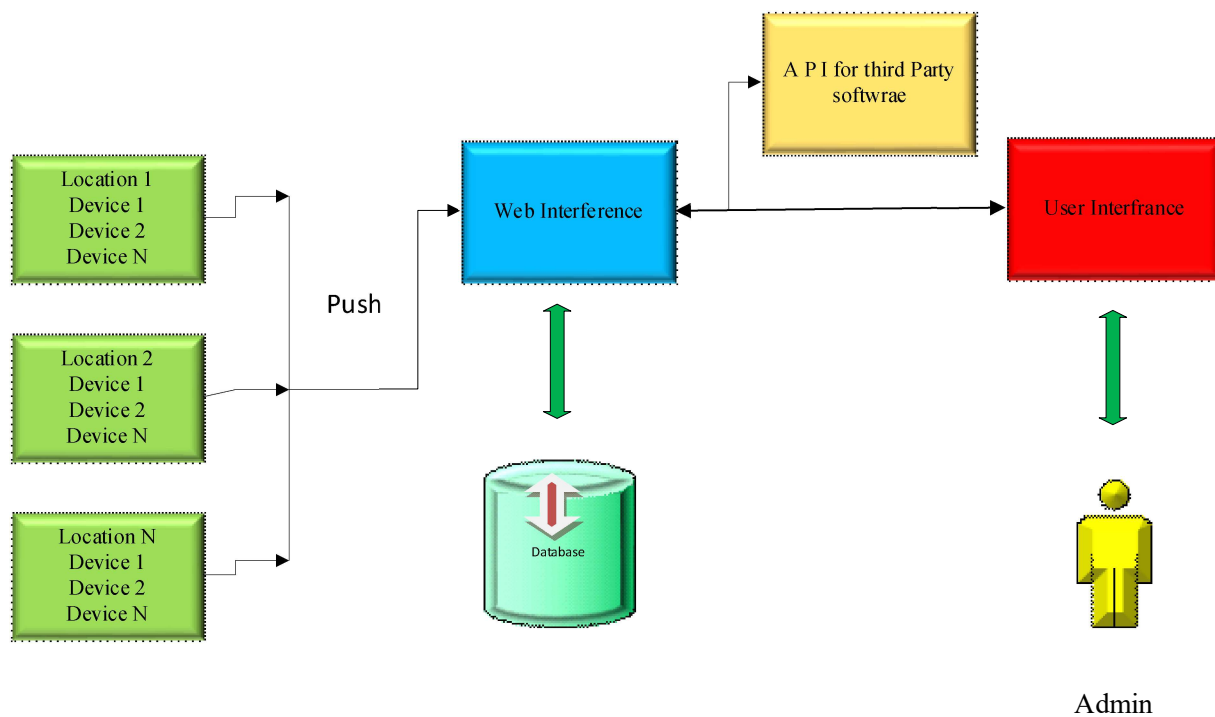
eSSL – eBioServerNew is Web-based Biometric Data Management Solution which acts like a middleware between Biometric devices and Third party client Applications. As a middleware, eBioServer can be deployed on MS Windows Web server along with MS SQL databases for devices communication and transactions management.

Administrators can access eBioServer anywhere on a browser or third-party software by API to handle thousands of devices.

eSSL – eBioServerNew silent Features

- Dashboard – Present and Absent Employees and Device Online / Offline status
- Device Pushes data to Centralized server
- Auto Sync of the employees information like addition or deletion in location of respective devices
- Location wise Access of employees and Devices
- Device is mapped with single location
- Employee is mapped with multiple locations
- Bulk Import and export of employees and devices
- Through API , User addition and deletion from the location of respective devices
- Through API, Getting the Punch records of the users
- Parallel Logs, Pushing the data to third party database
- Single Location, System user access for employees and device operation
- Admin can access all the location of employees and the devices
- User friendly appearance requires less time to get you educated for the software

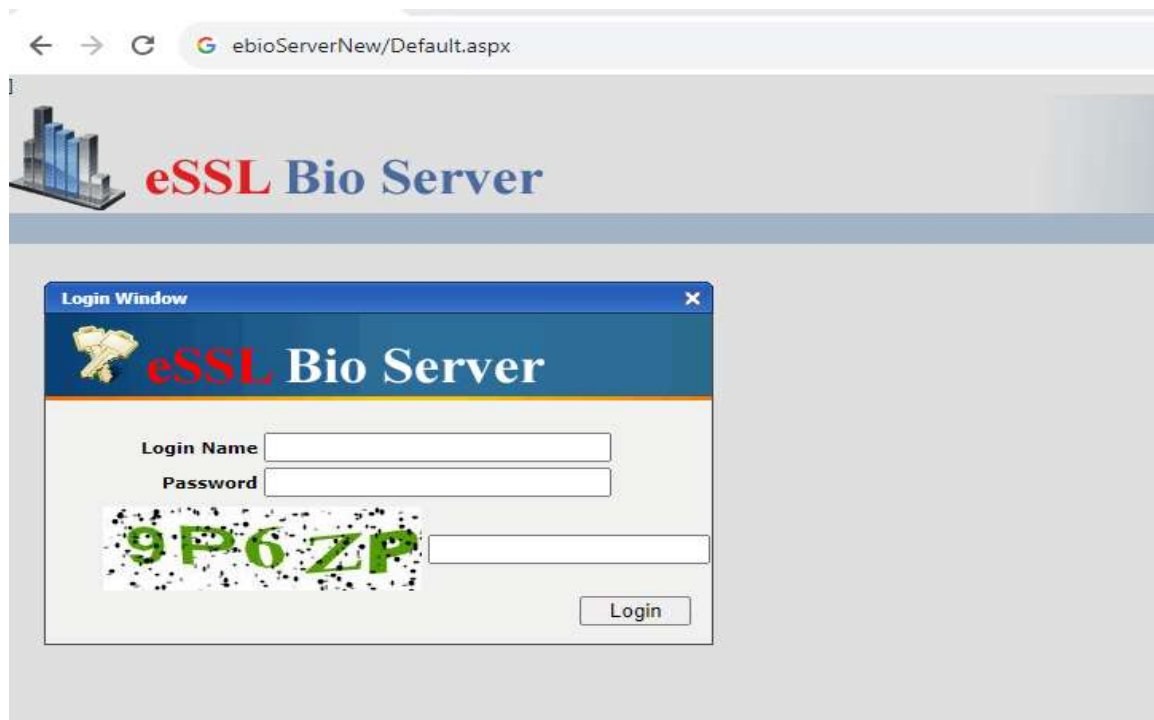
Centralized Server with Remote Device Communications



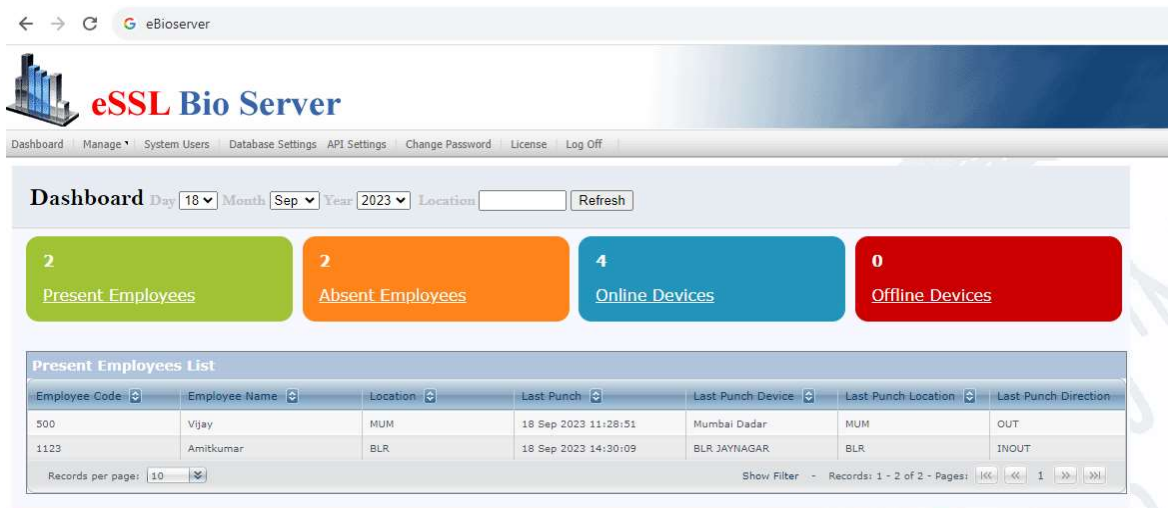
Go to browse & type Url of the application

User Name: essl

Password: essl



Welcome Page --- Dashboard



Dashboard Day 18 Month Sep Year 2023 Location Refresh

2
Present Employees

2
Absent Employees

4
Online Devices

0
Offline Devices

Present Employees List

Employee Code	Employee Name	Location	Last Punch	Last Punch Device	Last Punch Location	Last Punch Direction
500	Vijay	MUM	18 Sep 2023 11:28:51	Mumbai Dadar	MUM	OUT
1123	Amikumar	BLR	18 Sep 2023 14:30:09	BLR JAYNAGAR	BLR	INOUT

Records per page: 10 Show Filter - Records: 1 - 2 of 2 - Pages: 1

Current Date employee present, absent, online devices and offline device count are displayed

If you click on the respective Title, Records list are displayed

Employees:

This form will display the list of all Employees, User can Add, Edit & Delete the Employees

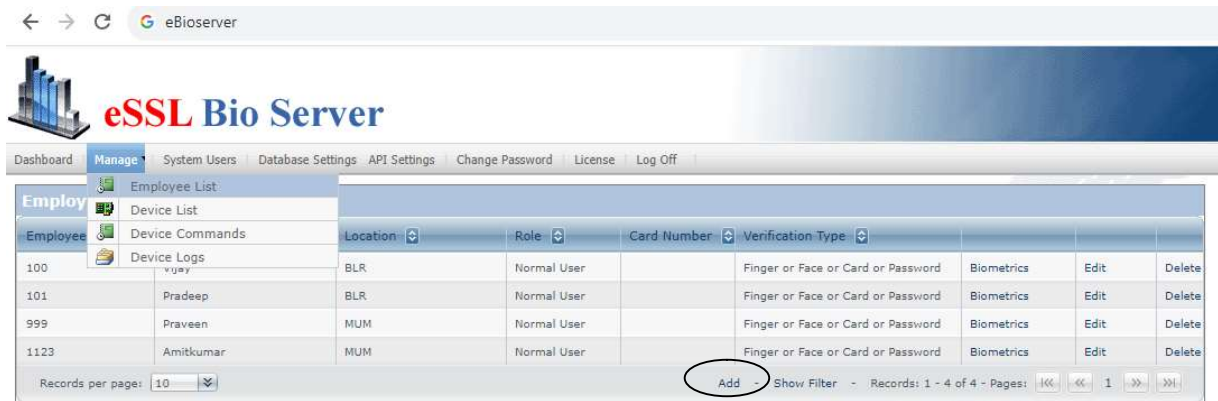
The screenshot shows the eBioserver web application interface. The top navigation bar includes links for Dashboard, Manage, System Users, Database Settings, API Settings, Change Password, License, and Log Off. The 'Manage' menu is expanded, showing options like Employee List, Device List, Device Commands, and Device Logs. The 'Employee List' option is selected, displaying a table of employees. The table has columns for Employee Code, Employee Name, Location, Card Number, Verification Type, and actions (Edit, Delete). The table contains four records with employee codes 100, 101, 999, and 1123. At the bottom, there is a 'Records per page' dropdown set to 10 and a pagination control showing 'Records: 1 - 4 of 4 - Pages: 1'.

Employee Code	Employee Name	Location	Card Number	Verification Type	Biometrics	Edit	Delete
100	vjay	BLR		Finger or Face or Card or Password	Biometrics	Edit	Delete
101	Pradeep	BLR		Finger or Face or Card or Password	Biometrics	Edit	Delete
999	Praveen	MUM		Finger or Face or Card or Password	Biometrics	Edit	Delete
1123	Amitkumar	MUM		Finger or Face or Card or Password	Biometrics	Edit	Delete

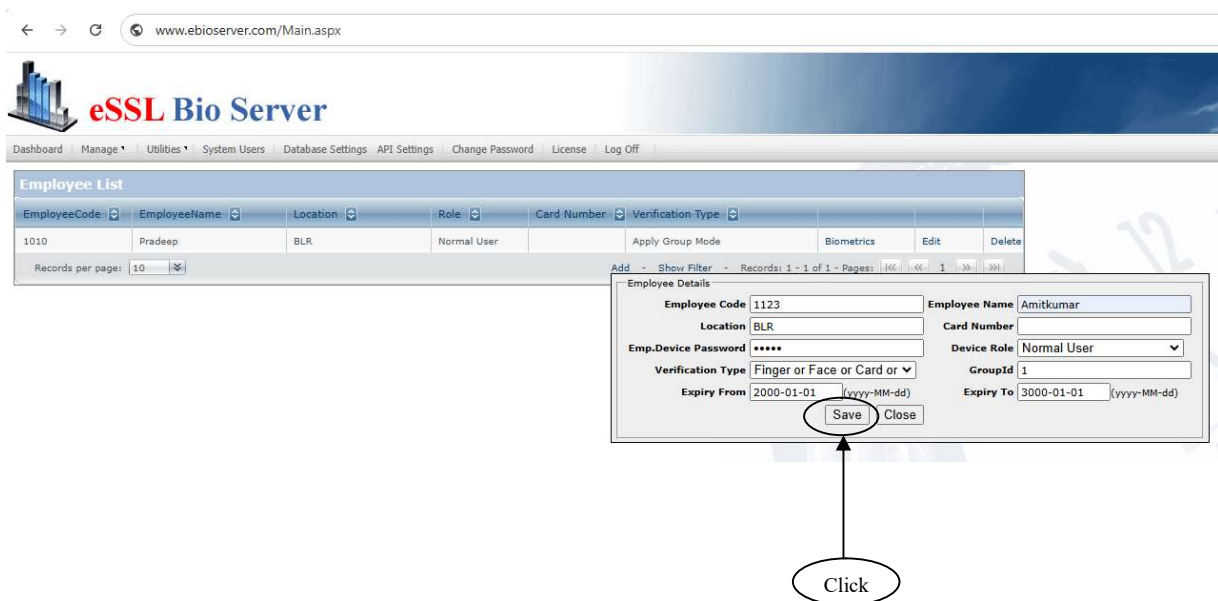
- Employee Code** : Enter Employee Code
- Employee Name** : Enter Employee Name
- Location** : Enter employee location name
- Card Number** : Enter Employee RFID card number
- Employee Password** : Enter Employee device password
- Device Role** : Select the employee device role
- Verification Type** : Select the Verification type from the drop down
- Expiry From** : Enter Employee expiry date from
- Expiry To** : Enter Employee expiry to date

Note: - Employee should added or deleted in the application via software or API only

Click on Add, to enter Employee details



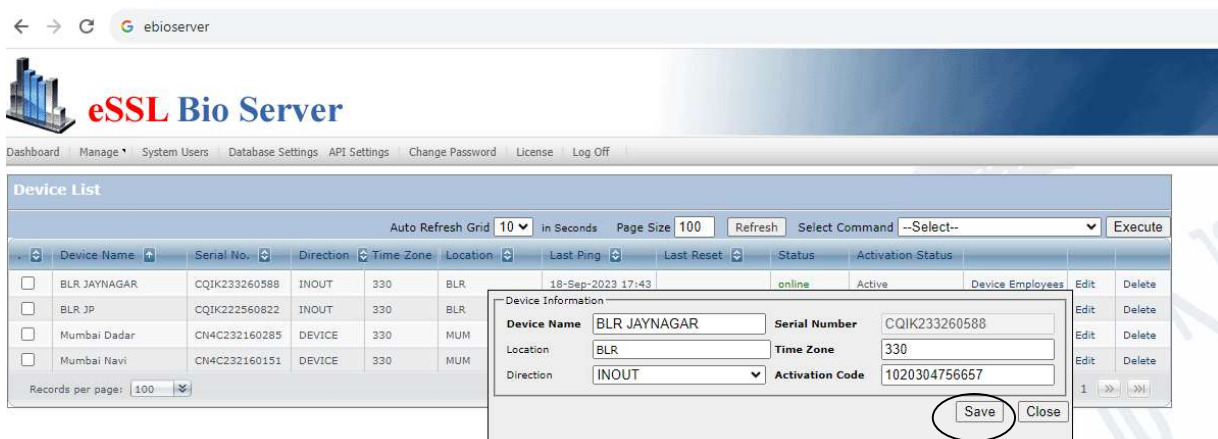
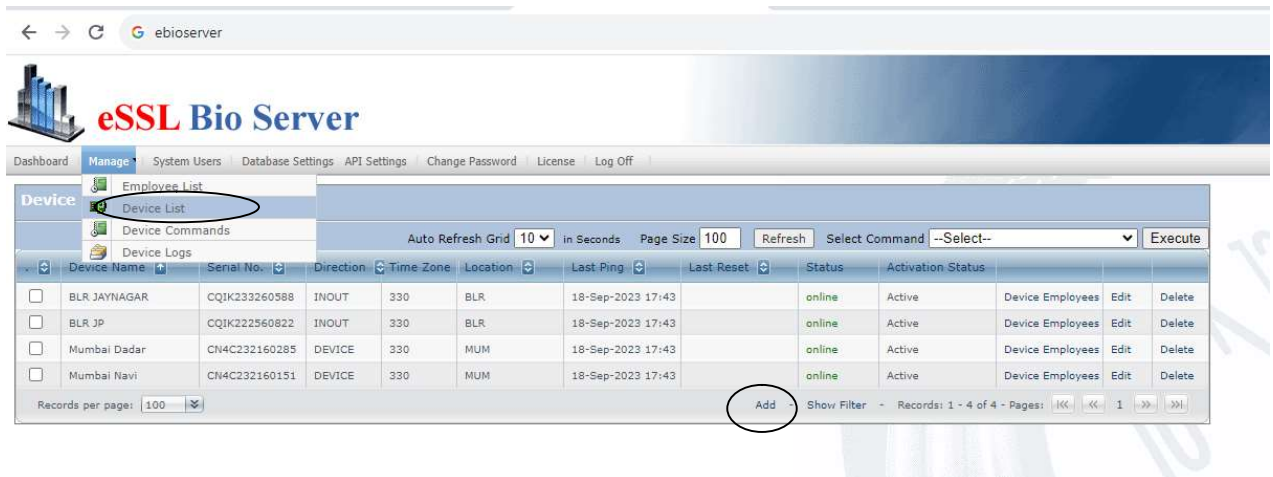
The screenshot shows the eSSL Bio Server web application interface. The top navigation bar includes links for Dashboard, Manage, System Users, Database Settings, API Settings, Change Password, License, and Log Off. The main content area displays the 'Employee List' table with columns for Employee Code, Employee Name, Location, Role, Card Number, Verification Type, and Biometrics. The table contains four rows of data. At the bottom right of the table, there is an 'Add' button circled in red, along with a 'Show Filter' button and pagination information: 'Records: 1 - 4 of 4 - Pages: 1'.



The screenshot shows the eSSL Bio Server web application interface with the 'Employee Details' form open. The form contains fields for Employee Code (1123), Employee Name (Amitkumar), Location (BLR), Card Number, Emp. Device Password (masked), Device Role (Normal User), Verification Type (Finger or Face or Card or Password), GroupId (1), Expiry From (2000-01-01), and Expiry To (3000-01-01). The 'Save' button is circled in red, and an arrow points to it with the label 'Click'.

Device Management:

User can Add, Edit & Delete devices



Device Name : Enter device name
Serial Number : Enter device serial number
Device Direction : Select device direction from drop down
Device Location : Enter the device location name
Activation Code : Enter the device activation code

Note: -

- Device activation code can be obtained from eTimetracklite portal
- Employee location and device location name should be same and its case sensitive

Device Commands:

This page will display the device commands list
You can send commands to remote devices

The screenshot shows the eSSL Bio Server web interface. At the top, there's a navigation bar with links: Dashboard, Manage, Utilities, System Users, Database Settings, API Settings, Change Password, License, and Log Off. Below this is the 'Device List' section. It features a table with columns: Device Name, Serial No., Direction, Time Zone, Location, Last Ping, Last Reset, Status, and Activate. The table lists several devices, including AI MUM, AI MUM2, MUM PAM NAVI, PAM, Silkbio, and X990. To the right of the table is a 'Select Command' dropdown menu. The dropdown is open, showing a list of commands: Reset Transaction Stamp, Reset Operation Stamp, Get Device Logs By Date Time, Block User, Unblock User, Enroll User Fingerprint, Enroll User Face, Clear Logs from Device, Change Webserver Address, Change Webserver Port, and Unlock Door. The 'Unlock Door' command is highlighted at the bottom of the list.

Steps to Add the device commands

- Go to device list page
- Select device commands from the list
- This command can sent to single device or multiple devices

Reset Transaction Stamp	: Device will push all punch records from beginning to server
Reset Op-Stamp	: Device will push all employees' data, Enrolled data to server
Get device Logs by date Time	: This command will post punch records to server as set date time by user
Block user	: This command will block the user access in device
Un Block user	: This command will unblock the user access in device
Enroll user finger Print	: This command will open FP window in device to enroll user finger Template
Enroll user Face	: This command will open Face window in device to enroll user Face
Clear logs from device	: This command will clear all the log records from device

Change Web Server Address : This command will set the URL or Web IP address in the device

Change Web Server Port : This command will set the Web Port number in the device

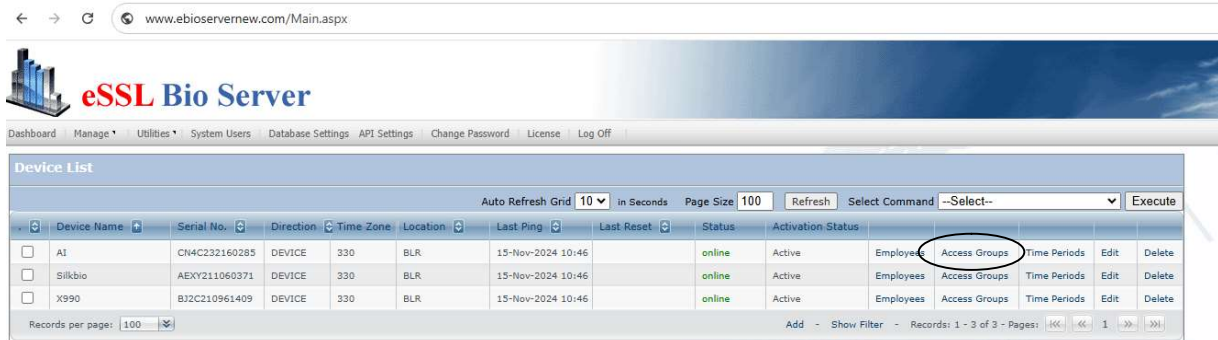
Un Lock Door : This command will Un lock the door

Note:

- a. Above commands can be sent to single device or multiple devices
- b. Device will send Employee code, Name, Password, Card Number & Finger Template
- c. Device will send Face template and Biophoto to server database

Access Groups

Users can add or update the Access Group Information from the GUI and this will reflect in remote devices



The screenshot shows the 'Access Group Information' form. It contains the following fields and controls:

- GroupId (1-99)**: Text input field with value '1'.
- Name**: Text input field with value 'G1'.
- Verification Type**: Dropdown menu with 'Finger or Face or Card or' selected.
- Is Holiday Applicable**: Dropdown menu with 'No' selected.
- Time Period 1 (0-50)**: Text input field with value '1'.
- Time Period 2 (0-50)**: Text input field with value '0'.
- Time Period 3 (0-50)**: Text input field with value '0'.
- Save**: Button, circled in red.
- Close**: Button.

Group Id : Enter group id between 1 to 99

Name : Enter group name

Verification Type : Select Verification type for the user from drop down

Is Holiday Applicable : Select Yes or No

Time Period 1 : Enter Time period value between 1 to 50

Time Period 2 : Enter Time period value between 1 to 50

Time Period 3 : Enter Time period value between 1 to 50

Note: - You can set value "0" if you do not want to assign the time period

Time Periods

Users can add or update the Time Period information from the GUI and this will reflect in remote device

The screenshot shows the eSSL Bio Server web application interface. At the top, there's a navigation bar with links like Dashboard, Manage, Utilities, System Users, Database Settings, API Settings, Change Password, License, and Log Off. Below this is the 'Device List' section, which contains a table with columns: Device Name, Serial No., Direction, Time Zone, Location, Last Ping, Last Reset, Status, Activation Status, Employees, Access Groups, Time Periods, Edit, and Delete. The 'Time Periods' column is circled in the row for device 'AI'.

The screenshot shows the 'Time Period Information' form. It has fields for 'TimePeriodId (1-50)' (value: 1), 'Name' (value: T1), and time ranges for each day of the week (Sunday through Saturday). The 'Save' button is circled.

Time period Id : Enter group id between 1 to 50

Name : Enter time period name

Sunday to Saturday : Enter the time periods values for the weeks days

Note: - User should enter time values in 24 hrs format [Start Time (**hh:mm**) – End Time (**hh:mm**)]

Example: -

Sunday: - 00:01-23:59

Start Time: - 00:01 and End Time: - 23:59

Monday: - 06:30-22:30

Start Time: - 06:30 and End Time: - 22:30

Device Logs:

This page will display the employee logs records downloaded from devices to the application database; User can filter log records by Employee code, name, location, date wise, device and verification type

eSSL Bio Server

Dashboard Manage System Users Database Settings API Settings Change Password License Log Off

Device

- Employee List
- Device List
- Device Commands
- Device Logs**

From Date: 18 To Date: 18 Month: 9 Year: 2023 Refresh

Log Date	Employee Code	Employee Name	Device Name	Location	WorkCode	Verification Type	GPS	Direction
18 Sep 2023 14:30:09	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 14:30:01	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 14:02:39	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 14:02:36	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 14:02:35	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 13:31:23	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 13:31:19	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 13:30:51	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 13:30:50	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT
18 Sep 2023 13:30:49	1123	Amitkumar	BLR JAYNAGAR	BLR	0	Face	0,0	INOUT

Records per page: 10 Show Filter - Records: 1 - 10 of 20 - Pages: 1 2

Device Logs Illegal:

This page will display the device Illegal logs records with photo pushed from devices to the server application. User can filter log records by Date, Employee code, Employee Name, Device name and Device location name.

The screenshot shows the eSSL Bio Server dashboard. The sidebar menu has 'Device Logs (illegal)' highlighted. The main area displays four statistics cards: Present Employees (0), Absent Employees (1003), Online Devices (0), and Offline Devices (6). Below these is the 'Present Employees List' table, which is currently empty with the message 'There are no records available.'

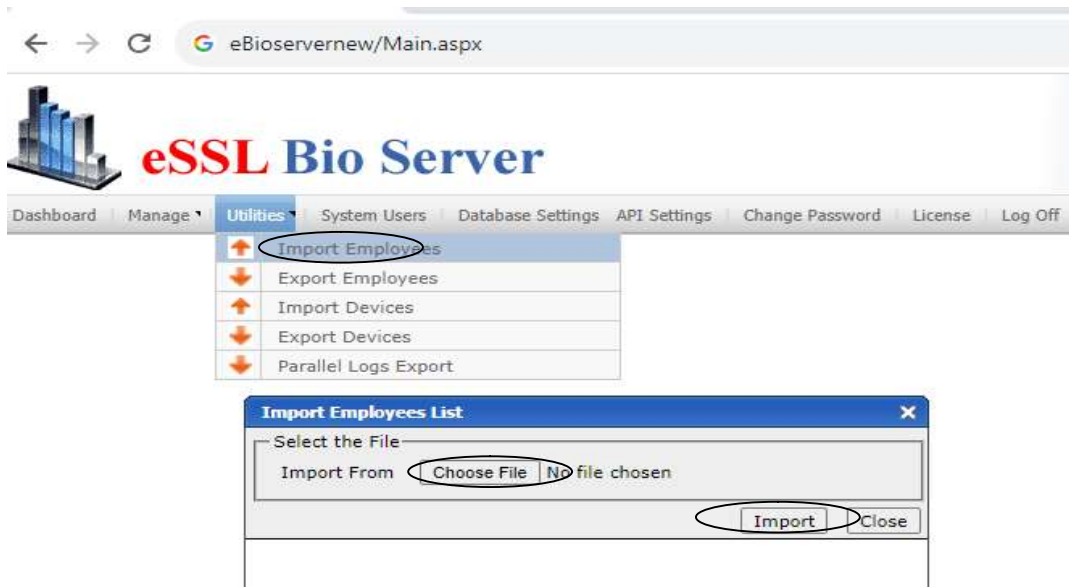
The screenshot shows the 'Device Logs (illegal) List' page. It features a table with the following columns: Log Date, Employee Code, Employee Name, Device Name, Location, and Photo. The table contains 10 records of illegal logs. The page includes filters for From Date, To Date, Month, and Year, and a 'Refresh' button.

Log Date	Employee Code	Employee Name	Device Name	Location	Photo
29 May 2024 10:35:18	0		Silkbio	BLR	View
29 May 2024 10:35:15	0		Silkbio	BLR	View
29 May 2024 10:34:56	100006		MUM PAM NAVI	MUM	View
29 May 2024 10:34:56	0		MUM PAM NAVI	MUM	View
29 May 2024 10:34:55	0		MUM PAM NAVI	MUM	View
28 May 2024 18:32:15	0		Silkbio	BLR	View
28 May 2024 18:30:17	0		Silkbio	BLR	View
28 May 2024 18:22:36	100006		MUM PAM NAVI	MUM	View
28 May 2024 18:22:36	0		MUM PAM NAVI	MUM	View
28 May 2024 18:21:29	0		Silkbio	BLR	View

Note: - Un registered user code will be "0"

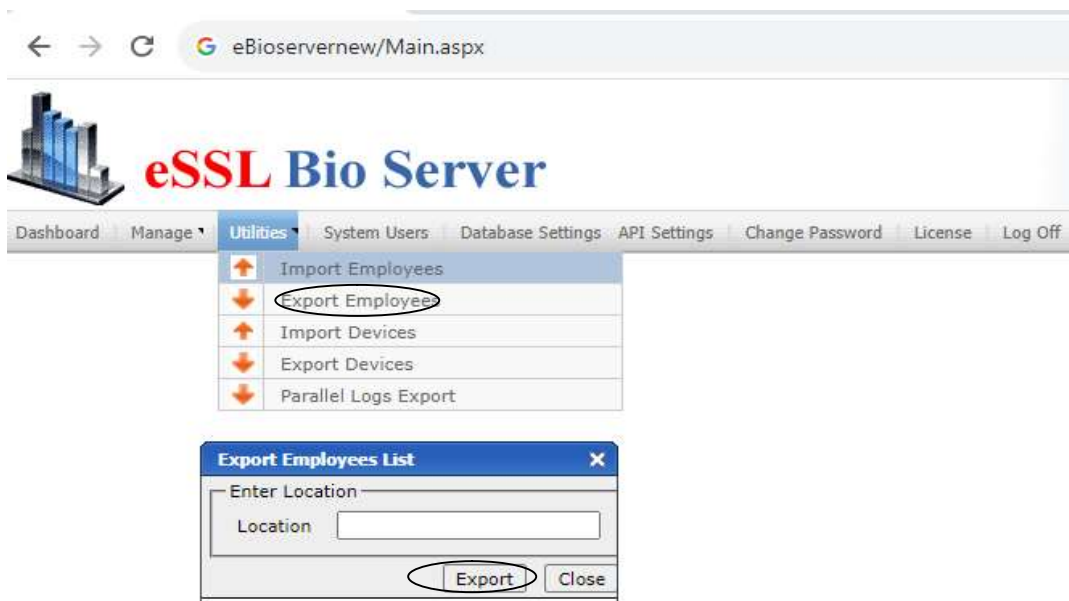
Import Employees

You can import employees through the csv file



Export employees

Location wise or all the location employees can be exported in the csv file



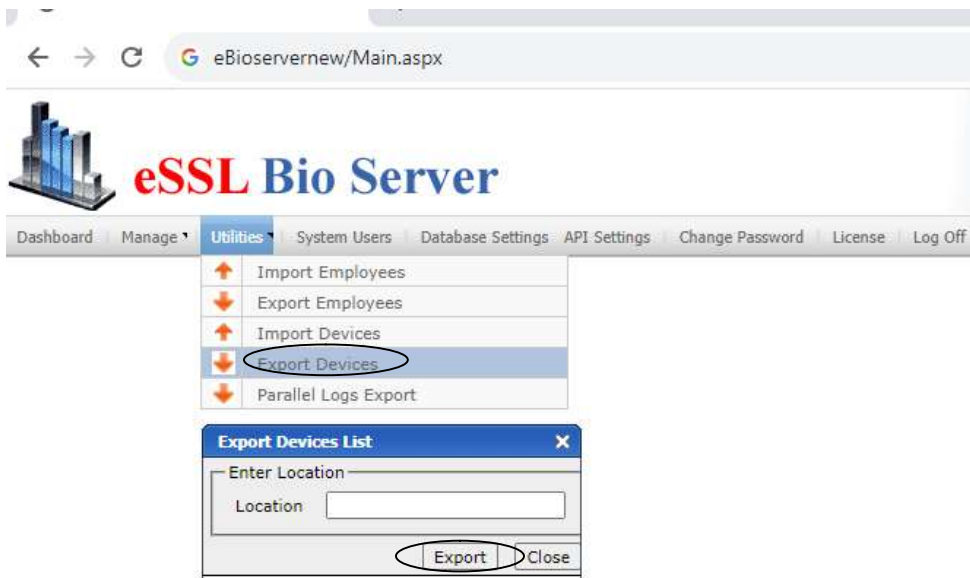
Import Devices

You can import devices through the csv file



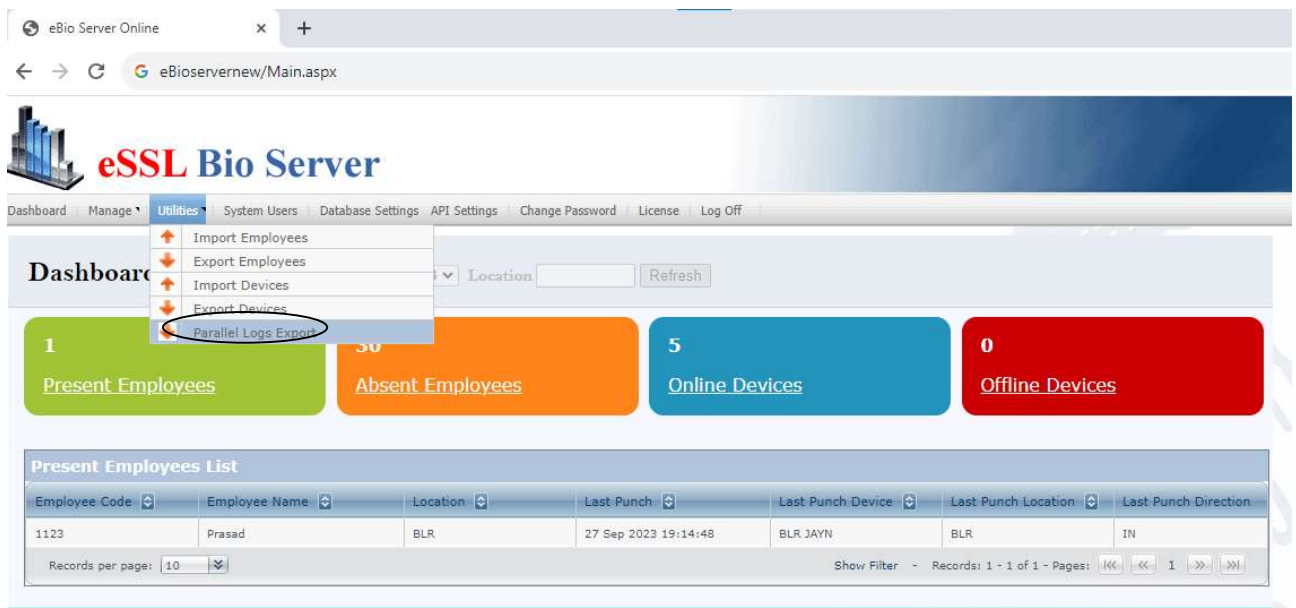
Export Devices

Location wise or all the location devices can be exported in the csv file



Parallel Logs Export :-

This will push the mapped field data to third party database



Supporting connections for third party database are following below

- 1) MS SQL Server
- 2) MY SQL
- 3) Oracle

1) Select Connection DB Type as MS SQL Server

The screenshot shows the 'Parallel Logs Export' configuration window in the eBioserverNew application. The window is titled 'Parallel Logs Export' and has a blue header. It contains a checkbox for 'Enable Parallel Logs Export' which is checked. Below this, there are several input fields and a 'Table Field Mapping' section. The 'DB Type' dropdown is set to 'MS SQL Server'. Other fields include 'Server Name/IP' (ESSLBA\SQL2014), 'DB Name' (PDB), 'User Name' (sa), and 'Table Name' (ebio). The 'Table Field Mapping' section has two columns of fields: 'Employee Code' (Empid), 'Device Name' (DNAME), 'Direction' (Dir), 'VerificationType' (VERF), 'Log DateTime' (Logdate), 'Serial Number' (SNR), 'Work Code' (WorkCode), and 'GPS' (GPS). At the bottom, there is a 'Last Sync Log Date' field with the value '2023-09-27' and a 'Reset' button. Below the 'Last Sync Log Date' field, there are three buttons: 'Test Connection', 'Save', and 'Close'. The 'Test Connection' button is circled in red.

Server Name : Enter MS SQL Server Name or IP address
Login Name : Enter login name
Password : Enter the password
DB Name : Enter the DB name
Table Name : Enter the Table name

Map the required fields, Employee code and Log date time are mandatory fields, other fields are optional

Reset will dump the entire stored data from start date to current date time

2) Select Connection DB Type as MY SQL

← → ↻ eBioservernew/Main.aspx

eSSL Bio Server

Dashboard Manage Utilities System Users Database Settings API Settings Change Password License Log Off

Parallel Logs Export

☒ Enable Parallel Logs Export

DB Type: My Sql Service: XE Port: 3306

Server Name/IP: 192.168.6.143 DB Name: eBioLOC

User Name: root Password: ****

Table Name: ebiologs

Table Field Mapping

Employee Code= Empid Log DateTime= Logdatetime

Device Name= DNAME Serial Number= SNR

Direction= Dir Work Code= WorkCode

VerificationType= VERF GPS= GPS

Last Sync Log Date (yyyy-MM-dd) 2023-09-27 Reset

Test Connection Save Close

Server Name : Enter MY SQL Name or IP address
Login Name : Enter login name
Password : Enter the password
Port Number : Enter the port number
DB Name : Enter the DB name
Table Name : Enter the Table name

Map the required fields, Employee code and Log date time are mandatory fields, other fields are optional

Reset will dump the entire stored data from start date to current date time

3) Select Connection DB Type as Oracle

← → ↻ eBioservernew/Main.aspx

eSSL Bio Server

Dashboard Manage Utilities System Users Database Settings API Settings Change Password License Log Off

Parallel Logs Export

☒ Enable Parallel Logs Export

DB Type: Oracle Service: XE Port: 1521

Server Name/IP: 192.168.6.132 DB Name: eBioLOC

User Name: web116 Password: ****

Table Name: ebiologs

Table Field Mapping

Employee Code= Empid Log DateTime= Logdatetime

Device Name= DNAME Serial Number= SNR

Direction= Dir Work Code= WorkCode

VerificationType= VERF GPS= GPS

Last Sync Log Date (yyyy-MM-dd) 2023-09-27 Reset

Test Connection Save Close

Server Name : Enter Oracle Name or IP address
Login Name : Enter login name
Password : Enter the password
Port Number : Enter the port number
Table Name : Enter the Table name

Map the required fields, Employee code and Log date time are mandatory fields, other fields are optional

Reset will dump the entire stored data from start date to current date time

System Users

This form will display the System users list of the application; you can Add, Edit & Delete the users

Click on Add users

Login Name : Enter the user login name

Password : Enter the user Password name

Location : Enter the user location name

Set the Permission like View, Add, Edit and Delete for

- ☐ System users
- ☐ Devices
- ☐ Employees

Note: - User can access only employees and devices of particular location and Admin access all location of the employees and devices

API Settings

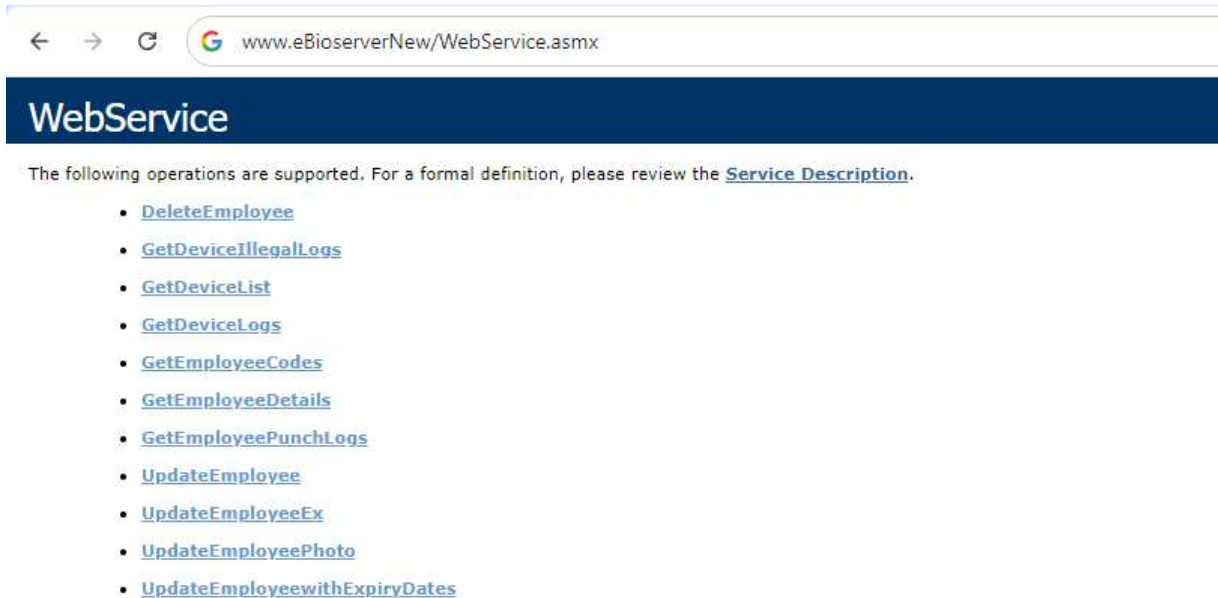
Set the user name and password to access the API



The screenshot shows a web browser window with the address bar displaying 'ebioserver'. The page title is 'eSSL Bio Server'. The navigation menu includes 'Dashboard', 'Manage', 'System Users', 'Database Settings', 'API Settings', 'Change Password', 'License', and 'Log Off'. The 'API Settings' dialog box is open, showing 'API Settings' with 'User Name' set to 'essl' and an empty 'Password' field. 'Save' and 'Close' buttons are at the bottom.

URL name of the host server and followed by forward slash webservice.asmx

e.g. www.eBioserverNew/webservice.asmx



The screenshot shows a web browser window with the address bar displaying 'www.eBioserverNew/WebService.asmx'. The page title is 'WebService'. The text states: 'The following operations are supported. For a formal definition, please review the [Service Description](#).' A list of supported operations follows:

- [DeleteEmployee](#)
- [GetDeviceIllegalLogs](#)
- [GetDeviceList](#)
- [GetDeviceLogs](#)
- [GetEmployeeCodes](#)
- [GetEmployeeDetails](#)
- [GetEmployeePunchLogs](#)
- [UpdateEmployee](#)
- [UpdateEmployeeEx](#)
- [UpdateEmployeePhoto](#)
- [UpdateEmployeeWithExpiryDates](#)

Database Settings

You can save the database settings

The screenshot shows a web browser window with the address bar displaying 'localhost:92/Main.aspx'. The page title is 'eSSL Bio Server'. The navigation menu includes 'Dashboard', 'Manage', 'Utilities', 'System Users', 'Database Settings' (which is highlighted), 'API Settings', 'Change Password', 'License', and 'Log Off'. The main content area displays the 'eBioServer Database Settings' dialog box. This dialog box has a title bar and contains the following fields and buttons:

- MS SQL Server Database Settings** (Section Header)
- Database Type**: A dropdown menu currently showing 'MS SQL Server'.
- Database Server**: A text input field containing 'localhost'.
- Database Name**: A text input field containing 'eBioServerNew'.
- Authentication Type**: A dropdown menu currently showing 'Sql Server Authentication'.
- User Name**: A text input field containing 'sa'.
- Password**: A text input field with masked characters (dots).
- Test Connection**: A button circled in red.
- Save**: A button circled in red.
- Close**: A button.

Server Name : Enter MS SQL Server Name or IP address
Login Name : Enter SQL login name
Password : Enter SQL Password
DB Name : Enter the DB name

Change Password

The screenshot shows a web browser window with the address bar displaying "eBioservernew/Main.aspx". The page header includes the eSSL Bio Server logo and a navigation menu with items: Dashboard, Manage, Utilities, System Users, Database Settings, API Settings, Change Password, License, and Log Off. A modal dialog box titled "Change Password" is open, containing three input fields labeled "Old Password", "New Password", and "Confirm Password". Below these fields are "Save" and "Close" buttons. The "Save" button is circled in the image.

Old Password : Enter the old password

New password : Enter the new password

Confirm Password : Reenter the new password

License key

eBioserver license key can be obtained from eTimetracklite portal



The screenshot shows a web browser window with the address bar displaying "eBioserver/Main.aspx". The page header features the eSSL Bio Server logo and a navigation menu with links: Dashboard, Manage, System Users, Database Settings, API Settings, Change Password, License, and Log Off. A modal window titled "eBioServer License" is open, displaying the following information:

Activation Code:	EL1504130920233250688921
License Key:	<input type="text" value="9699-0081-4899-2979-8910-6930"/>
(#Employees:No Limit) (#Device:No Limit)	
<input type="button" value="Save"/> <input type="button" value="Close"/>	