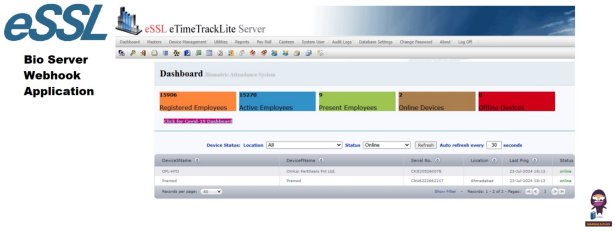

eSSL Bio Server Webhook Application Instruction Manual

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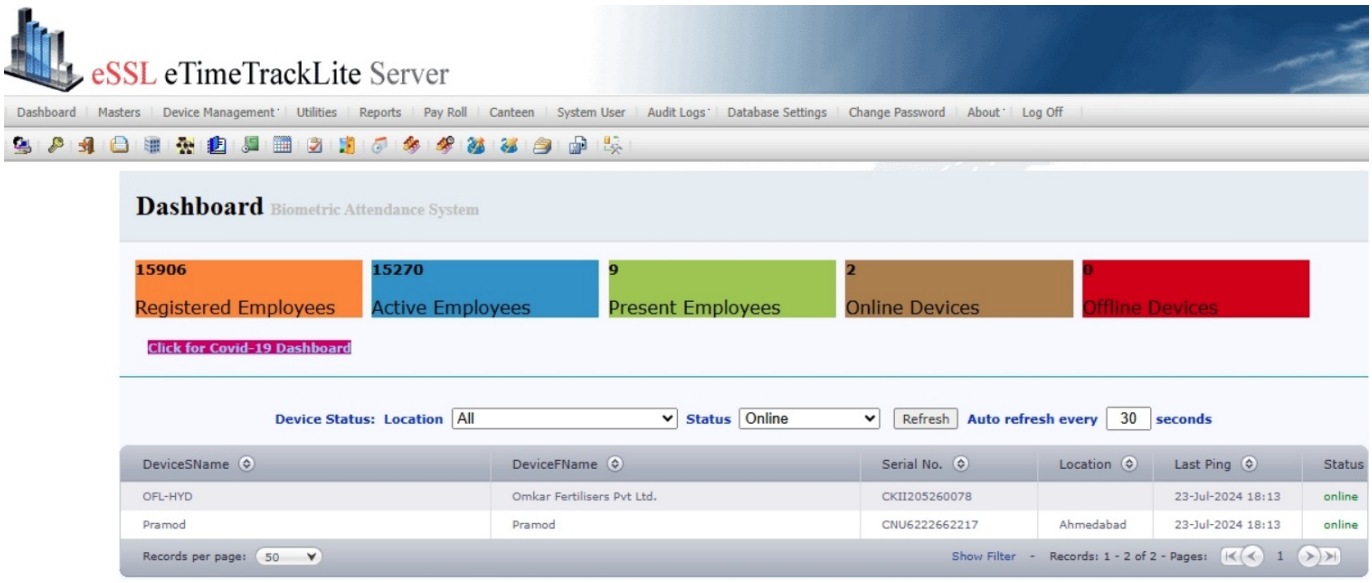

Specifications

- Product Name: eBioserver New Web Hook
- Version: 1.2
- Release Date: 25th March, 2025
- No. of Pages: 5

Product Information

This document introduces the Web Hook services for the user interface and operations of the eBioserverNew Web software. The product allows for data sending in JSON format with encryption, utilizing a 256-bit encryption key for secure transmission. Users can set the Web Hook URL, define the Web Hook response, enable/disable encryption, specify the number of logs to be pushed to the URL at a time, and set a password for enhanced security.

Usage Instructions

Data Sending Format with Encryption
Raw format in Postman:

- Data: [encrypted data]

Data Decryption

After decryption, the JSON string will be received in the following format:

- EmployeeCode: S1123,
- DownloadDate: 2025-01-18 16:28:37,
- LogDate: 2025-01-18 16:27:09,
- DeviceName: SilkBio,
- SerialNumber: AEXY182960104,
- Direction: IN,
- DeviceDirection: Device,

- WorkCode: 0,
- VerificationType: Finger or Face or Card, or Password,
- GPS: 0,0

Data Sending Format without Password

- EmployeeCode: S1123,
- DownloadDate: 2025-01-18 16:28:37,
- LogDate: 2025-01-18 16:27:09,
- DeviceName: SilkBio,
- SerialNumber: AEXY182960104,
- Direction: IN,
- DeviceDirection: Device,
- WorkCode: 0,
- VerificationType: Finger or Face or Car, or Password,
- GPS: 0,0

Return Response Format from Webhook URL

Success

eSSL Bio Server Webhook Application

1. The password should be 32 characters in length.
2. For example, if the password is less than 32 characters in length, it should be padded with additional characters.

- Version:eBioserverNew Web Hook 1.2
- Version Date: 25th March, 2025
- No. of Pages:5

About This Manual

This document introduces the Web Hook services for the user interface and operations of the eBioserverNew Web software.

Content-Type: Application/Json

Data Sending Format Raw format in Postman, with encryption

```
{

"data":

"
Di6Phzv3rD47HYiCblM1+WG7A+jFMLtTlqbo9j+mlKNM3fTV9wy53ZcI20gaOTcd1bszoGlmmRKL7F
ZVY/Ynlh8wqLEjgiv5m7HJUjwpmMnknoJAF4sDGY2eC9xH7cHiwEAdwNO2XP1H+8xC4TYlQNqmq
eWc6634u4Aud2r60DXhYMKkNSWuFfbA9tzSX6bnfj7bHjqgrF5jSsE+eJy2NthGuP2T8W7Ew+/4EaZ
wV6XpfYEXZQQTivII+eJSS3mD/kbO6Zp5qe/axkyvLIQstCGh1+Fs2gdmHIsKYUNer1mnjYSBT3Aan
W07nIs5tb7sZyD5PXqUZZXidvQX4qyrHIs6put3bmrGOvxU2ETxzr1AbDUv+fc1kAHCg3wBvsZgy10
nslMn0gHHmAboZEJSmwEmu3EDRm5gDJr+8Ot1CAmHCVWv4b3Txz8/NB7HAadC

"

}
```


- Symmetric key for encryption and decryption in C# using “the Aes Class”
- Encryption Mode: Cipher Block Chaining
- Encryption Key Size: 2256-bit
- For example above data is encrypted using a key
- essl12341111111111111111111111111
- eBioserverNew Application: Utilities
- Set the Web Hook URL
- Set Web Hook Response
- You can enable or disable encryption
- Set the number of logs to be pushed to the url at a time
- Set the password
- Symmetric key (encryption password)

After decrypting, below json string will be received as below format


```
{
 "EmployeeCode": "S1123",
 “DownloadDate":"2025-01-18 16:28:37”,
 "LogDate": "2025-01-18 16:27:09",
 "DeviceName": "SilkBio",
 "SerialNumber": "AEXY182960104",
 "Direction": "IN",
 "DeviceDirection": "Device",
 "WorkCode": "0",
 "VerificationType": "Finger or Face or Card or
  Password",
 "GPS": "0,0"
}
```


Converted to class objects like below

```
{
 "EmployeeCode": "S1123",
 “DownloadDate":"2025-01-18 16:28:37”,
 "LogDate": "2025-01-18 16:27:09",
 "DeviceName": "SilkBio",
 "SerialNumber": "AEXY182960104",
 "Direction": "IN",
 "DeviceDirection": "Device",
 "WorkCode": "0",
 "VerificationType": "Finger or Face or Card or Password",
 "GPS": "0, 0"
}
```


Return Response Format from webhookurl:

Success
Note: – If the Password is saved in the eBioserverNew for Web Hook


```
{

"data":

"
Di6Phzv3rD47HYiCblM1+WG7A+jFMLtTlqbo9j+mlKNM3fTV9wy53Zcl20gaOTcd1bszoGlmmRKL7FZVY/Ynl
h8wqLEjgiv5m7HJUjwpmMnknoJAF4sDGY2eC9xH7cHiwEAdwNO2XP1H+8xC4TYlQNqmqeWc6634u4Aud
2r60DXhYMKkNSWuFfbA9tzSX6bnfj7bHjqgrF5jSsE+eJy2NthGuP2T8W7Ew+/4EaZwV6XpfYEXZQQTivII+eJ
SS3mD/kbO6Zp5qe/axkyvLIQstCGh1+Fs2gdmHIsKYUNer1mnjYSBT3AanW07nIs5tb7sZyD5PXqUZZXidvQX
4qyrHIs6put3bmrGOvxU2ETxzr1AbDUv+fc1kAHCg3wBvsZgy10nslMn0gHHmAboZEJSmwEmu3EDRm5gDJ
r+8Ot1CAmHCVWv4b3Txz8/NB7HAadC

"
}
```


Data Sending Format: (Raw format in Postman) without password
eBioserverNew Application: Utilities

Set the Web URL only

```
{

"EmployeeCode": "S1123",
 “DownloadDate":"2025-01-18 16:28:37”,
 "LogDate": "2025-01-18 16:27:09",
 "DeviceName": "SilkBio",
 "SerialNumber": "AEXY182960104",
 "Direction": "IN",
 "DeviceDirection": "Device",
 "WorkCode": "0",
 "VerificationType": "Finger or Face or Card or
  Password",
 "GPS": "0,0"

}
```


Then, in bothcasese,s returthe n Response Format from webhookurl:

Success

Note

1. The password should be 32 characters long
2. For exampleif the password is less than 32 characters in length: essl1234
3. We will use while encrypting: essl12341111111111111111111111111

FAQs

Q: What is the encryption key size used for data transmission?
A: The product uses a 256-bit encryption key for secure data transmission.

Q: Can the encryption settings be modified by the user?
A: Yes, users can enable or disable encryption based on their requirements.

Documents / Resources

	eSSL Bio Server Webhook Application [pdf] Instruction Manual Bio Server Webhook Application, Server Webhook Application, Webhook Application

References

- **User Manual**