

eSSL Bio Server Webhook Application Instruction Manual

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eSSL Bio Server Webhook Application



Dashboard Biometric Attendance System

15906	15270	9	2	0
Registered Employees	Active Employees	Present Employees	Online Devices	Offline Devices

[Click for Covid-19 Dashboard](#)

Device Status: Location Status Refresh Auto refresh every seconds

DeviceSName	DeviceFName	Serial No.	Location	Last Ping	Status
OFL-HYD	Omkar Fertilisers Pvt Ltd.	CKII205260078		23-Jul-2024 18:13	online
Pramod	Pramod	CNU6222662217	Ahmedabad	23-Jul-2024 18:13	online

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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
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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":
  "
Di6Phzv3rD47HYiCbIM1+WG7A+jFMLtTlqbo9j+mIKNM3fTV9wy53Zcl20gaOTcd1bszoGImmRKL7F
ZVY/Ynlh8wqLEjgiv5m7HJUjwpmMnknoJAF4sDGY2eC9xH7cHiwEAdwNO2XP1H+8xC4TYIQNqmq
eWc6634u4Aud2r60DXhYMKkNSWuFfbA9tzSX6bnfj7bHjqgrF5jSsE+eJy2NthGuP2T8W7Ew+/4EaZ
wV6XpfYEXZQQTivII+eJSS3mD/kbO6Zp5qe/axkyvLIQstCGh1+Fs2gdmHIsKYUNer1mnjYSBT3Aan
W07nls5tb7sZyD5PXqUZZXidvQX4qyrHIs6put3bmrGOvxU2ETxsr1AbDUv+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
- essl12341111111111111111111111111111
- 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":
  "
Di6Phzv3rD47HYiCbIM1+WG7A+jFMLtTlqbo9j+mIKNM3fTV9wy53Zcl20gaOTcd1bszoGImmRKL7FZVY/Ynl
h8wqLEjgiv5m7HJUjwpmMnknoJAF4sDGY2eC9xH7cHiwEAdwNO2XP1H+8xC4TYIQNqmqeWc6634u4Aud
2r60DXhYMKkNSWuFfbA9tzSX6bnfj7bHjqgrF5jSsE+eJy2NthGuP2T8W7Ew+/4EaZwV6XpfYEXZQQTivII+eJ
SS3mD/kbO6Zp5qe/axkyvLIQstCGh1+Fs2gdmHIsKYUNer1mnjYSBT3AanW07nls5tb7sZyD5PXqUZZXidvQX
4qyrHIs6put3bmrGOvxU2ETxsr1AbDUv+fc1kAHCg3wBvsZgy10nsIMn0gHHmAboZEJSmwEmu3EDRm5gDJ
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 both cases, return the Response Format from webhookurl:

Success

Note

1. The password should be 32 characters long
2. For example if the password is less than 32 characters in length: essl1234
3. We will use while encrypting: essl12341111111111111111111111111111

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

	<p>eSSL Bio Server Webhook Application [pdf] Instruction Manual Bio Server Webhook Application, Server Webhook Application, Webhook Application</p>
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References

- [User Manual](#)

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