eSSL- eBioserverNew WEB API Service

--- Web API Service Help Manual

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About This Manual: This document introduces the eBioServerNew Web API services for the user interface and operations of the eBioServerNew

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Web Service URL: URL of eBioserverNew application

(Example: http://eBioserverNew/Webservice.asmx)

Methods:

Add Employee (Name: UpdateEmployee)

Example: http://eBioserverNew/Webservice.asmx?op=UpdateEmployee

By calling this method we can add employee to particular location of all the devices by passing value Employee code, Name, Card Number, Single Location code or multiple location code separated by comma, Employee Role and Verification Type

Result will be displayed as error or success

Note: User name & password can obtained from eBioServer application and employee role and verification type is optional

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /webservice.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/UpdateEmployee"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateEmployee xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
      <EmployeeName>string</EmployeeName>
      <EmployeeLocation>string</EmployeeLocation>
      <EmployeeRole>string</EmployeeRole>
      <EmployeeVerificationType>string</EmployeeVerificationType>
    </UpdateEmployee>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
```

```
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateEmployeeResponse xmlns="http://tempuri.org/">
      <UpdateEmployeeResult>string</UpdateEmployeeResult>
    </UpdateEmployeeResponse>
  </soap:Body>
</soap:Envelope>
```

Employee Details (Name: **GetEmployeeDetails**)

Example:http://eBioserverNew/Webservice.asmx?op=GetEmployeeDetails

By calling this method we can retrieve employee details like Employee code, Name, Card Number, Location code, Employee Role and Verification Type

Result will be displayed as error or success

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /webservice.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetEmployeeDetails"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetEmployeeDetails xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
    </GetEmployeeDetails>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetEmployeeDetailsResponse xmlns="http://tempuri.org/">
      <GetEmployeeDetailsResult>string</GetEmployeeDetailsResult>
    </GetEmployeeDetailsResponse>
  </soap:Body>
</soap:Envelope>
```

Employee Codes (Name: GetEmployeeCodes)

Example: http://eBioserverNew/Webservice.asmx?op=GetEmployeeCodes

By calling this method we can retrieve employee codes from the database

Result will be displayed as error or success

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /webservice.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetEmployeeDetails"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetEmployeeDetails xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
    </GetEmployeeDetails>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetEmployeeDetailsResponse xmlns="http://tempuri.org/">
      <GetEmployeeDetailsResult>string</GetEmployeeDetailsResult>
    </GetEmployeeDetailsResponse>
  </soap:Body>
</soap:Envelope>
```

Employee Punch Logs (Name: **GetEmployeePunchLogs**)

Example: - http://eBioserverNew/Webservice.asmx?op=GetEmployeePunchLogs

By calling this method we can Get Employee Transaction Punch logs of employees like first in punch and last out punch of single date with semicolon and followed by all the punches with comma separation of single date

Result will be displayed as error or success

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /webservice.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetEmployeePunchLogs"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetEmployeePunchLogs xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
      <AttendanceDate>string</AttendanceDate>
    </GetEmployeePunchLogs>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetEmployeePunchLogsResponse xmlns="http://tempuri.org/">
      <GetEmployeePunchLogsResult>string</GetEmployeePunchLogsResult>
    </GetEmployeePunchLogsResponse>
  </soap:Body>
</soap:Envelope>
```

Delete Employee (Name: DeleteEmployee)

Example:http://eBioserverNew/Webservice.asmx?op=DeleteEmployee

By calling this method, Employee will be deleted from particular location of all the devices

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /webservice.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeleteEmployee"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeleteEmployee xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
    </DeleteEmployee>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeleteEmployeeResponse xmlns="http://tempuri.org/">
      <DeleteEmployeeResult>string</DeleteEmployeeResult>
    </DeleteEmployeeResponse>
  </soap:Body>
</soap:Envelope>
```

UpdateEmployeewithExpiryDates (Name:UpdateEmployeewithExpiryDates)

Example: http://eBioserverNew/Webservice.asmx?op=UpdateEmployeewithExpiryDates

By calling this method we can add employee to particular location or multiple location by passing value Employee code, Name, Card Number, Location code with separated comma, Employee Role, Verification Type and Expiry date

Result will be displayed as error or success

Note: User name & password can obtained from eBioServer application and employee role and verification type is optional

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /webservice.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/UpdateEmployeewithExpiryDates"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateEmployeewithExpiryDates xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
      <EmployeeName>string</EmployeeName>
      <EmployeeLocation>string</EmployeeLocation>
      <EmployeeRole>string</EmployeeRole>
      <EmployeeVerificationType>string</EmployeeVerificationType>
      <EmployeeExpiryFrom>string</EmployeeExpiryFrom>
      <EmployeeExpiryTo>string</EmployeeExpiryTo>
    </UpdateEmployeewithExpiryDates>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
```

```
  <soap:Body>
    <UpdateEmployeewithExpiryDatesResponse xmlns="http://tempuri.org/">

<UpdateEmployeewithExpiryDatesResult>string</UpdateEmployeewithExpiryDatesResult>
    </UpdateEmployeewithExpiryDatesResponse>
  </soap:Body>
</soap:Envelope>
```

Update Employee with Photo (Name:UpdateEmployeePhoto)

Example: http://eBioserverNew/Webservice.asmx?op=UpdateEmployeePhoto

By calling this method we can add or update employee photo for registered employee by passing value Employee code, Employee Photo, Result will be displayed as error or success

Employee photo should be in base 64

Note: User name & password can obtained from eBioServer application and employee code has to be there in the database

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /webservice.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/UpdateEmployeePhoto"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateEmployeePhoto xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
      <EmployeePhoto>string</EmployeePhoto>
    </UpdateEmployeePhoto>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateEmployeePhotoResponse xmlns="http://tempuri.org/">
      <UpdateEmployeePhotoResult>string</UpdateEmployeePhotoResult>
    </UpdateEmployeePhotoResponse>
  </soap:Body>
</soap:Envelope>
```

Update Employee all details (Name: **UpdateEmployeeEx**)

Example: http://eBioserverNew/Webservice.asmx?op=UpdateEmployeeEx

By calling this method we can add or update employee with photo for registered employee by passing value Employee code, Name, Location, Role, Verification, Expiry Dates, Card Number and Employee Photo Result will be displayed as error or success

Employee photo should be in base 64

Note: User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/UpdateEmployeeEx"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateEmployeeEx xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <EmployeeCode>string</EmployeeCode>
      <EmployeeName>string</EmployeeName>
      <EmployeeLocation>string</EmployeeLocation>
      <EmployeeRole>string</EmployeeRole>
      <EmployeeVerificationType>string</EmployeeVerificationType>
      <EmployeeExpiryFrom>string</EmployeeExpiryFrom>
      <EmployeeExpiryTo>string</EmployeeExpiryTo>
      <EmployeeCardNumber>string</EmployeeCardNumber>
      <GroupId>string</GroupId>
      <EmployeePhoto>string</EmployeePhoto>
    </UpdateEmployeeEx>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
```

```
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateEmployeeExResponse xmlns="http://tempuri.org/">
      <UpdateEmployeeExResult>string</UpdateEmployeeExResult>
    </UpdateEmployeeExResponse>
  </soap:Body>
</soap:Envelope>
```

Get Device List (Name: GetDeviceList)

Example: http://eBioserverNew/Webservice.asmx?op=GetDeviceList

By calling this method it will return list of all device details of all the locations or particular location that are connected in this database. Result will be displayed as error or success

Note: User name & password can obtained from eBioServer application for particular location Pass the location code else blank

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetDeviceList"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceList xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <Location>string</Location>
    </GetDeviceList>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceListResponse xmlns="http://tempuri.org/">
      <GetDeviceListResult>string</GetDeviceListResult>
    </GetDeviceListResponse>
  </soap:Body>
</soap:Envelope>
```

Get Device Logs (Name: GetDeviceLogs)

Example: http://eBioserverNew/Webservice.asmx?op=GetDeviceLogs

By calling this method we can get Employee Punch records of all location or particular location with Log date time stamp, Employee code, Device Name, Device location name and direction followed by with comma separation with fields and next record with semicolon.

Result will be displayed as error or success

Note: User name & password can obtained from eBioServer application for particular location pass the location code else blank

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetDeviceLogs"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceLogs xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <Location>string</Location>
      <LogDate>string</LogDate>
    </GetDeviceLogs>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceLogsResponse xmlns="http://tempuri.org/">
      <GetDeviceLogsResult>string</GetDeviceLogsResult>
    </GetDeviceLogsResponse>
  </soap:Body>
</soap:Envelope>
```

Get Device Illegal Logs (Name: GetDeviceIllegalLogs)

Example: http://eBioserverNew/Webservice.asmx?op=GetDeviceIllegalLogs

By calling this method we can get device Illegal Punch records of all location or particular location with Log date time stamp, Employee code, Device Name, Device location name followed by with comma separation of single record and next record with semicolon.

Result will be displayed as success or error

Note: User name & password can obtained from eBioServer application for particular location pass the location code else blank

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetDeviceIllegalLogs"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceIllegalLogs xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <Location>string</Location>
      <LogDate>string</LogDate>
    </GetDeviceIllegalLogs>
  </soap:Body>
</soap:Envelope>
```

Update Locations (Name: UpdateLocation)

Example: http://eBioserverNew/Webservice.asmx?op=UpdateLocation

By calling this method we can add or update location by passing value location code, Description

Result will be displayed as success or error

Note: User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/UpdateLocation"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateLocation xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <LocationCode>string</LocationCode>
      <LocationDescription>string</LocationDescription>
    </UpdateLocation>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateLocationResponse xmlns="http://tempuri.org/">
      <UpdateLocationResult>string</UpdateLocationResult>
    </UpdateLocationResponse>
  </soap:Body>
</soap:Envelope>
```

Delete Locations (Name: DeleteLocation)

Example: http://eBioserverNew/Webservice.asmx?op=DeleteLocation

By calling this method we can delete location by passing value location code

Result will be displayed as success or error

Note:

Location will be deleted only if this not associated with employee or devices

User name & password can obtained from eBioServer application, If location has employees and devices then user cannot delete the location

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeleteLocation"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeleteLocation xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <LocationCode>string</LocationCode>
    </DeleteLocation>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeleteLocationResponse xmlns="http://tempuri.org/">
      <DeleteLocationResult>string</DeleteLocationResult>
    </DeleteLocationResponse>
  </soap:Body>
</soap:Envelope>
```

Update Device (Name: UpdateDevice)

Example: http://eBioserverNew/Webservice.asmx?op=UpdateDevice

By calling this method we can add or update devices by passing value Device Serial Number, Device Name, Device Direction, Device Type, Time Zone, Device Activation code, Location, Is Attendance Device.

Result will be displayed as success or error

Note: User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/UpdateDevice"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateDevice xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
      <DeviceName>string</DeviceName>
      <DeviceDiretion>string</DeviceDiretion>
      <DeviceType>string</DeviceType>
      <TimeZone>string</TimeZone>
      <DeviceActivationCode>string</DeviceActivationCode>
      <Location>string</Location>
      <IsAttendanceDevice>string</IsAttendanceDevice>
    </UpdateDevice>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
```

```
   <UpdateDeviceResponse xmlns="http://tempuri.org/">
     <UpdateDeviceResult>string</UpdateDeviceResult>
   </UpdateDeviceResponse>
  </soap:Body>
</soap:Envelope>
```

Delete Device (Name: DeleteDevice)

Example: http://eBioserverNew/Webservice.asmx?op=DeleteDevice

By calling this method we can delete devices by passing value Device Serial Number

Result will be displayed as success or error

Note:

User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeleteDevice"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeleteDevice xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
    </DeleteDevice>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeleteDeviceResponse xmlns="http://tempuri.org/">
      <DeleteDeviceResult>string</DeleteDeviceResult>
    </DeleteDeviceResponse>
  </soap:Body>
</soap:Envelope>
```

Get Device Last Ping (Name: **GetDeviceLastPing**)

Example: http://eBioserverNew/Webservice.asmx?op=GetDeviceLastPing

By calling this method we can get device last ping by passing value Device Serial Number

Result will be displayed as success or error

Note:

User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetDeviceLastPing"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceLastPing xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
    </GetDeviceLastPing>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceLastPingResponse xmlns="http://tempuri.org/">
      <GetDeviceLastPingResult>string</GetDeviceLastPingResult>
    </GetDeviceLastPingResponse>
  </soap:Body>
</soap:Envelope>
```

Device Command Reboot (Name: DeviceCommand_Reboot)

Example: http://eBioserverNew/Webservice.asmx?op=DeviceCommand_Reboot

By calling this method we can reboot device remotely by passing value Device Serial Number

 Result will be displayed as success or error

Note:

User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeviceCommand_Reboot"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand_Reboot xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
    </DeviceCommand_Reboot>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand_RebootResponse xmlns="http://tempuri.org/">
      <DeviceCommand_RebootResult>string</DeviceCommand_RebootResult>
    </DeviceCommand_RebootResponse>
  </soap:Body>
</soap:Envelope>
```

Device Command Reset OP Stamp (Name: DeviceCommand_ResetOPStamp)

Example: http://eBioserverNew/Webservice.asmx?op=DeviceCommand_ResetOPStamp

By calling this method we can get all enrolled employees details to the server from the devices by passing value Device Serial Number

 Result will be displayed as success or error

Note: User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeviceCommand_ResetOPStamp"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand ResetOPStamp xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
    </DeviceCommand ResetOPStamp>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand ResetOPStampResponse xmlns="http://tempuri.org/">

<DeviceCommand ResetOPStampResult>string</DeviceCommand ResetOPStampResult>
    </DeviceCommand ResetOPStampResponse>
  </soap:Body>
</soap:Envelope>
```

Device Command Reset Transaction Stamp

(Name: DeviceCommand_ResetTransactionStamp)

Example:
http://eBioserverNew/Webservice.asmx?op=DeviceCommand_ResetTransactionStamp

By calling this method we can get entire punch records of employee's from the beginning till current date to the server from the devices by passing value Device Serial Number

 Result will be displayed as success or error

Note: User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeviceCommand_ResetTransactionStamp"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand_ResetTransactionStamp xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
    </DeviceCommand ResetTransactionStamp>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand ResetTransactionStampResponse xmlns="http://tempuri.org/">

<DeviceCommand ResetTransactionStampResult>string</DeviceCommand ResetTransac
tionStampResult>
    </DeviceCommand_ResetTransactionStampResponse>
```

```
    </soap:Body>
</soap:Envelope>
```

Device Command Clear Logs (Name: DeviceCommand_ClearLogs)

Example: http://eBioserverNew/Webservice.asmx?op=DeviceCommand_ClearLogs

By calling this method we can clear all log records of employee remotely from the devices by passing value Device Serial Number

 Result will be displayed as success or error

Note:

User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeviceCommand_ClearLogs"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand_ClearLogs xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
    </DeviceCommand ClearLogs>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand ClearLogsResponse xmlns="http://tempuri.org/">
      <DeviceCommand_ClearLogsResult>string</DeviceCommand_ClearLogsResult>
    </DeviceCommand_ClearLogsResponse>
  </soap:Body>
</soap:Envelope>
```

Device Command Change Web Server Address

(Name:DeviceCommand_ChangeWebServerAddress)

Example:

http://eBioserverNew/Webservice.asmx?op=DeviceCommand_ChangeWebServerAddress

By calling this method we can change Web url or IP address remotely in the devices by passing value Device Serial Number and Web Server Address

 Result will be displayed as success or error

Note:

User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeviceCommand_ChangeWebServerAddress"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand_ChangeWebServerAddress xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
      <WebServerAddress>string</WebServerAddress>
    </DeviceCommand_ChangeWebServerAddress>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
```

```
    <DeviceCommand_ChangeWebServerAddressResponse
xmlns="http://tempuri.org/">

<DeviceCommand_ChangeWebServerAddressResult>string</DeviceCommand_ChangeWebSe
rverAddressResult>
    </DeviceCommand_ChangeWebServerAddressResponse>
  </soap:Body>
</soap:Envelope>
```

Device Command Change Web Port Number

(Name:DeviceCommand_ChangeWebPortNumber)

Example:

http://eBioserverNew/Webservice.asmx?op=DeviceCommand_ChangeWebPortNumber

By calling this method we can change web server port number remotely in the devices by passing value Device Serial Number and Web Server port number

Result will be displayed as success or error

Note:

User name & password can obtained from eBioServer application

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/DeviceCommand_ChangeWebServerPort"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand_ChangeWebServerPort xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <DeviceSerialNumber>string</DeviceSerialNumber>
      <WebServerPort>string</WebServerPort>
    </DeviceCommand_ChangeWebServerPort>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <DeviceCommand_ChangeWebServerPortResponse xmlns="http://tempuri.org/">
```

```
<DeviceCommand ChangeWebServerPortResult>string</DeviceCommand ChangeWebServe
rPortResult>
    </DeviceCommand_ChangeWebServerPortResponse>
  </soap:Body>
</soap:Envelope>
```

Get Device Logs By Log Id

(Method Name:GetDeviceLogsByLogId)

Example:

http://eBioserverNew/Webservice.asmx?op=GetDeviceLogsByLogId

By calling this method we can get Employee Punch records of all location or particular location with Device log Id, Date time stamp, Employee code, Device Name, Device location name and direction followed by with comma separation within fields and next record with semicolon

Result will be displayed as success or error

Note:

User name & password can obtained from eBioServer application and for particular location pass the location code else blank

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values

```
POST /WebService.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/GetDeviceLogsByLogId"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetDeviceLogsByLogId xmlns="http://tempuri.org/">
      <UserName>string</UserName>
      <Password>string</Password>
      <Location>string</Location>
      <LogId>string</LogId>
      <LogCount>string</LogCount>
    </GetDeviceLogsByLogId>
  </soap:Body>
</soap:Envelope>
```

Glossary:-

Employee Role	Value
	Normal Users
	Admin Users

Employee Verification Type

S No	Verification Type	Value
1	Finger vein or Face or Fingerprint or Card or Password	0
2	Only Fingerprint	1
3	User ID Verification	2
4	Only Password	3
5	Only Card	4
6	Fingerprint or Password	5
7	Fingerprints or Card	6
8	Card or Password	7
9	User ID + Fingerprint	8
10	Fingerprint + Password	9
11	Card + Fingerprint	10
12	Card + Password	11
13	Fingerprint + Password + Card	12
14	User ID + Fingerprint + Password	13
15	User ID + Fingerprint or Card + Fingerprint	14
16	Face	15
17	Face + Fingerprint	16
18	Face + Password	17
19	Face + Card	18
20	Face + Fingerprint + Card	19
21	Face + Fingerprint + Password	20
22	Finger Vein	21
23	Finger Vein + Password	22
24	Finger Vein + Card	23
25	Finger Vein + Password + Card	24
26	Palm print	25
27	Palm print + Card	26
28	Palm print + Face	27
29	Palm print + Fingerprint	28
30	Palm print + Fingerprint + Face	29
31	Other	200