



INTEGRATION DOCUMENTATION for .NET SDK

Contents

A.	AHIN SDK v1	2
B.	Sample .NET WPF Application	3
	Connection Screen.....	3
	Edit Patient Profile Screen	3
	Patient Data Management Screen	4
	Add/Edit Blood Pressure Screen.....	4
C.	Sandbox Parameters.....	5
D.	Sample Code Snippet	6

A. AHIN SDK v1

Download URL:

<https://desk.datasel.com.tr/AHINDownloads/SDK/20151215/AHIN.SDK.NET.v4.5-20151215.zip>

Files:

- AHIN.SDK.NET.Client.Core.dll
- AHIN.SDK.NET.Client.dll

Supported Operations:

- **Patient Data Operations**
 - create
 - update
 - delete
 - getByID
 - getLast
 - getList
- **Patient Account Operations**
 - create
 - update
 - delete
 - getByAccountName
 - validateCitizenNo

Supported Data Types:

1. BLOODPRESSURE
2. WEIGHT
3. HEIGHT
4. BODYFAT
5. SPO2

B. Sample .NET WPF Application

Download URL:

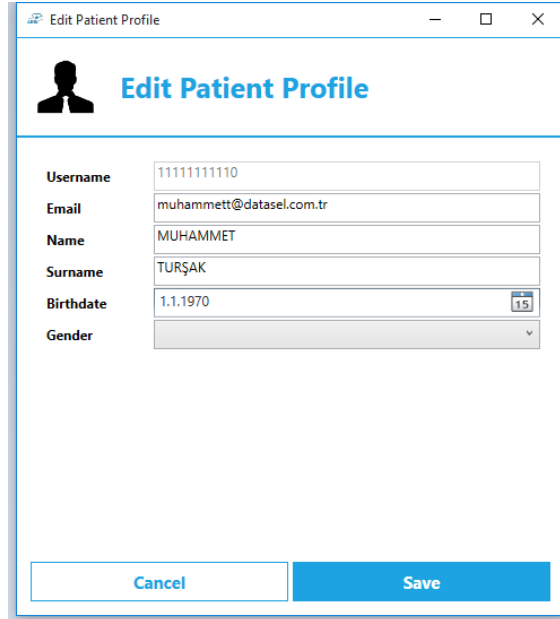
<https://desk.datasel.com.tr/AHINDownloads/SampleApps/NET.WPF/AHIN.SDK.NET.Client.WPF.Sample.20151215.zip>

Connection Screen



The screenshot shows the 'AHIN Sample .NET WPF Client App' window. It features the Avicenna AHIN logo at the top. Below the logo, the title 'AHIN Sample .NET WPF Client App' is displayed. The main area contains four input fields: 'AHIN Server URL' (pre-filled with 'https://desk.datasel.com.tr/AHINDevBackEnd/'), 'App Code' (pre-filled with 'CAREHUB'), 'App Password' (masked with dots), and 'Patient ID' (pre-filled with '1111111110'). A blue 'Connect' button is located at the bottom.

Edit Patient Profile Screen



The screenshot shows the 'Edit Patient Profile' window. It features a silhouette icon and the title 'Edit Patient Profile'. The main area contains six input fields: 'Username' (pre-filled with '1111111110'), 'Email' (pre-filled with 'muhammett@datasel.com.tr'), 'Name' (pre-filled with 'MUHAMMET'), 'Surname' (pre-filled with 'TURŞAK'), 'Birthdate' (pre-filled with '1.1.1970' and a calendar icon), and 'Gender' (a dropdown menu). At the bottom, there are two buttons: 'Cancel' and 'Save'.

Patient Data Management Screen

AHIN: CAREHUB/11111111110

MUHAMMET TURŞAK
11111111110

45 years old Logout

BLOODPRESSURE WEIGHT BODYFAT HEIGHT SPO2

BLOODPRESSURE 9 Rows

11.14.2015 12.14.2015 Load... Get Last... Delete Edit Add New

ID/Date	Systolic	Diastolic	Pulse	Is Irregular?	Collection Source	Device
9B14DCAB-877F-48B9-B21E-7A8419A0F12E 12/14/2015 12:43:34 PM	180.0 m/bar	220.0 m/bar	100.0 bpm	True	MANUEL	Samsung Premium 1234567
802D3AC4-D96D-4B35-BE01-089C0351609B 12/14/2015 6:19:22 PM	80.0 m/bar	120.0 m/bar	100.0 bpm	True	MANUEL	Samsung Premium 1234567
8DA44EBC-C938-4A65-B340-D6D0FAA796A5 12/14/2015 4:31:48 PM	80.0 m/bar	120.0 m/bar	100.0 bpm	True	MANUEL	Samsung Premium 1234567
3B456C9B-B659-4E5D-B2BA-A251B08E464E 12/14/2015 4:21:46 PM	80.0 m/bar	120.0 m/bar	100.0 bpm	True	MANUEL	Samsung Premium

Add/Edit Blood Pressure Screen

Add New

BLOODPRESSURE Add New Mode

Data ID: 7568FD16-29AB-4834-9328-7C1443CD2F4A

Patient ID: 11111111110

Data Collection Type: MANUEL

Systolic: 80 m_bar

Diastolic: 120 m_bar

Pulse: 100 bpm

Is Regular: ☐

MEASUREMENT DATE DEVICE NOTES

Date: 12.14.2015

Timezone Hours: 3

Timezone Minutes: 0

Cancel Save

C. Sandbox Parameters

Server URL : <https://desk.datasel.com.tr/AHINDevBackEnd/>
App Code : CAREHUB
App Password : c!r!h!b!2015

Sample Patient IDs:

- 111111111110
- 222222222220
- 333333333330

D. Sample Code Snippet

```
public async Task SampleBLOODPRESSUREOperations()
{
    // create proxy
    var config = new AHINBackendProxyConfig("https://desk.datasel.com.tr/AHINDevBackEnd/", "SamplePHR",
    "*****");
    var proxy = new AHINBackendProxy(config);

    // create package
    var dataPackage = new BLOODPRESSUREDataPackage();
    dataPackage.SOURCEDATAID = Guid.NewGuid().ToString().ToUpper(); // generate new ID
    dataPackage.SOURCEAPPCODE = "SamplePHR";

    dataPackage.OWNERACCOUNT = new AHINOwnerAccountModel() { SOURCEAPPACCOUNTID = "1111111110" };
    dataPackage.DATACOLLECTIONTYPE = DataCollectionTypesEnum.DEVICE;
    dataPackage.DEVICE = new AHINDeviceModel()
    {
        BRAND = "SamplePHR",
        DEVICETYPE = API.Enums.DeviceTypeEnum.BLOODGLUCOSE,
        MODEL = "ABC",
        MODELYEAR = 2010,
        SERIALNO = "1223324243324"
    };

    dataPackage.MEASUREMENTDATE = new AHINMeasurementDateModel()
    {
        DATE = DateTime.Now,
        TIMEZONEHOURS = 3,
        TIMEZONEMINUTES = 0
    };

    dataPackage.NOTES = "Some notes here...";

    string patientID = "1111111110";
    string dataID = "1212121212";

    // create new
    var createResult=await proxy.BLOODPRESSURE.create(dataPackage);

    // update
    var updateResult = await proxy.BLOODPRESSURE.update(dataPackage);

    // delete
    var deleteResult = await proxy.BLOODPRESSURE.update(dataPackage);

    // getByID
    var getByIDResult = await proxy.BLOODPRESSURE.getByID(patientID, dataID);

    // getList
    var getLastResult = await proxy.BLOODPRESSURE.getLast(patientID);

    // getList
    var request = new GetListRequestModel();
    request.OwnerUserID = "1111111110";
    request.StartDate = new DateTime(2015, 1, 1);
    request.EndDate = new DateTime(2015, 12, 31);
    var getListResult = await proxy.BLOODPRESSURE.getList(request);
}
```

```
public void SampleAccountOperations()
{
    // create patient account model
    var patient = new PatientAccountModel();
    patient.AppCode = "SamplePHR";
    patient.UserName = "44444444440";
    patient.CitizenNo = "44444444440";
    patient.Name = "Test Patient";
    patient.Surname = "Surname";
    patient.BirthDate = new DateTime(1980, 5, 25);
    patient.Gender = GenderEnum.Male;

    // create proxy
    var config = new AHINBackendProxyConfig("https://desk.datasel.com.tr/AHINDevBackEnd/", "CAREHUB",
    "*****");
    var proxy = new AHINBackendProxy(config);

    // create
    var createResult=proxy.PATIENTACCOUNTS.create(patient);

    // update
    var updateResult = proxy.PATIENTACCOUNTS.update(patient);

    // delete
    var deleteResult = proxy.PATIENTACCOUNTS.delete("2222222220");

    // getByAccountName
    var getByAccountNameResult = proxy.PATIENTACCOUNTS.getByAccountName("2222222220");

    // validateCitizenNo
    var validateCitizenNoResult =
    proxy.PATIENTACCOUNTS.validateCitizenNo(CitizenNoTypeEnum.TurkishCitizenNo, "121222128");
}
```