



Solution by IT FBN

FBNFITSSERVICES

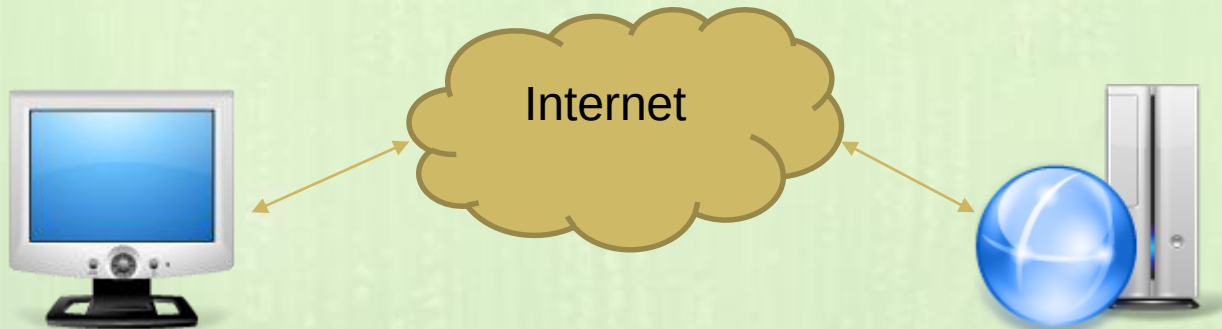
fabrinet





What is FBNFITSServices

- Standard service to allow Customer Software to communicate with FITS via internet.



Client

Web server

<https://service.fabrinet.co.th/FBNFITSService/FBNFITSServices.svc>



Functions

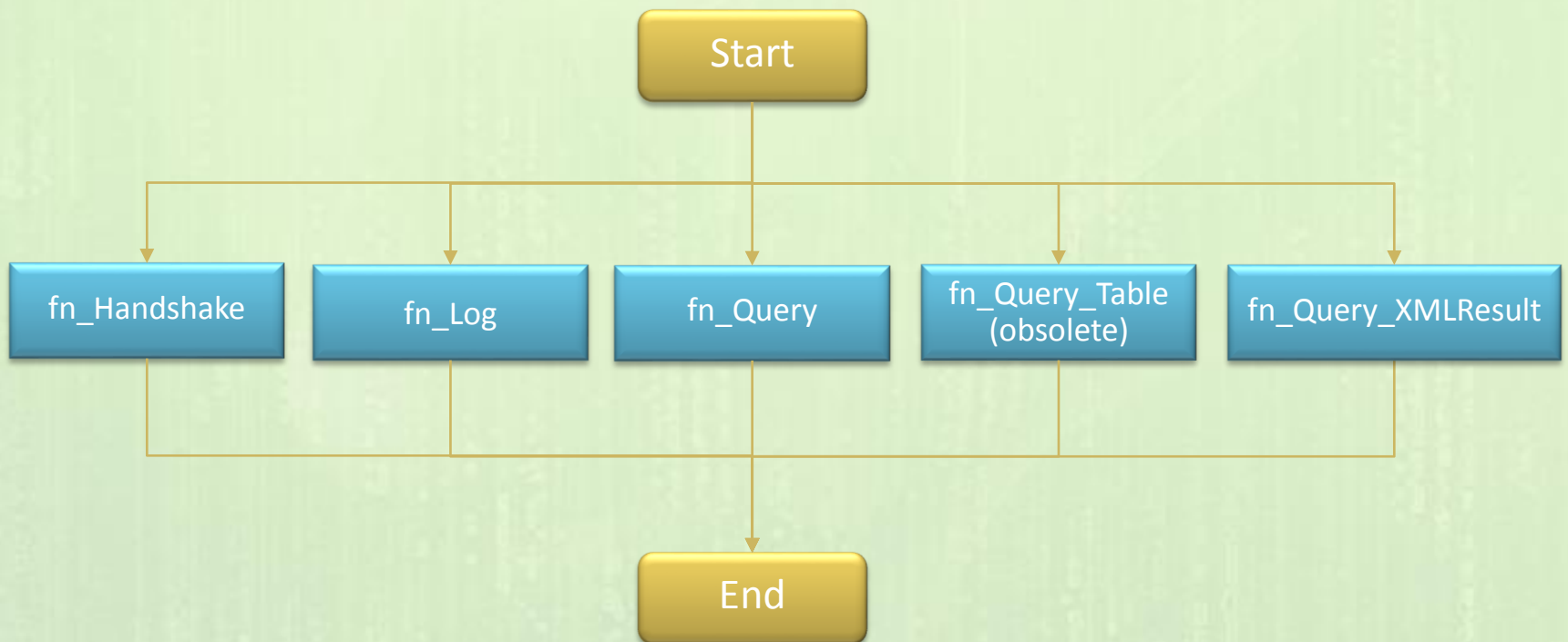
- **fn_Handshake:** Check whether this serial is allow to run at this operation or not (i.e. validate route table and history)
format: `fn_Handshake(project_id, user_name, user_password, model, operation, revision, serial)`
- **fn_Log:** To save data into FITS
format: `fn_Log(project_id, user_name, user_password, model, operation, revision, parameters, values[,fsp])`
- **fn_Query:** To retrieve data from FITS then return class FITSResponse
format: `fn_Query(project_id, user_name, user_password, model, operation, revision, serial, parameters[,fsp])`
- **fn_Query_XMLResult:** To retrieve data from FITS then return data model with XML
format: `fn_Query(project_id, user_name, user_password, model, operation, revision, serial, parameters[,fsp])`



Variables

- `project_id`: project id in FITS system
- `user_name`: user_name that allow to access FITS database
- `user_password`: password
- `model`: Model of product or Family of product
- `operation`: The process step (operation code)
- `revision`: FITSDLL revision
- `serial`: The serial number
- `parameters`: parameter name (can be in an array format or a string format contain a list of parameters separated by field separator)
- `fsp`: Field separator (if the “parameters” variable is not an array)
- `values`: return value (if the “parameters” variable is an array, the return values will be an array; if the “parameters” variable is a string format contain a list of parameters, the return values will be in a string separated by field separator)

Note: For `project_id`, `user_name` and `user_password` please request IT FBN to provide their data.



Return data

- **fn_Handshake, fn_Log and fn_Query will return class FITSResponse that consists of Result (String) and Message (String)**

```
<?xml version="1.0" encoding="utf-8" ?>
_ <xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/FBNFITSServices"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://schemas.datacontract.org/2004/07/FBNFITSServices">
_ <xs:complexType name="FITSResponse">
_ <xs:sequence>
<xs:element minOccurs="0" name="Message" nillable="true" type="xs:string" />
<xs:element minOccurs="0" name="Result" nillable="true" type="xs:string" />
</xs:sequence>
</xs:complexType>
<xs:element name="FITSResponse" nillable="true" type="tns:FITSResponse" />
</xs:schema>
```

<http://www.fabrinet.co.th/custappl/FBNFITSServices/FBNFITSServices.svc?xsd=xsd2>



Return data

- **fn_Query_table** will return data set that consists of data table.

```
<?xml version="1.0" encoding="utf-8" ?>
<xs:schema elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="DataSet" nillable="true">
    <xs:complexType>
      <xs:annotation>
        <xs:appinfo>
          <ActualType Name="DataSet"
Namespace="http://schemas.datacontract.org/2004/07/System.Data"
xmlns="http://schemas.microsoft.com/2003/10/Serialization/" />
        </xs:appinfo>
        </xs:annotation>
      <xs:sequence>
        <xs:element ref="xs:schema" />
        <xs:any />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

<http://www.fabrinet.co.th/custappl/FBNFITSServices/FBNFITSServices.svc?xsd=xsd3>

Return data

- **fn_Query_XMLResult will return data model that consists of XML data.**

```
<?xml version="1.0" encoding="utf-8" ?>
<xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/FBNFITSServices"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://schemas.datacontract.org/2004/07/FBNFITSServices">
  <xs:complexType name="FITSResponse">
    <xs:sequence>
      <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="Result" nillable="true" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="FITSResponse" nillable="true" type="tns:FITSResponse" />
  <xs:complexType name="FITSQueryTableResponse">
    <xs:sequence>
      <xs:element minOccurs="0" name="Message" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="Result" nillable="true" type="xs:string" />
      <xs:element minOccurs="0" name="XMLResultData" nillable="true" type="xs:string" />
    </xs:sequence>
  </xs:complexType>
  <xs:element name="FITSQueryTableResponse" nillable="true" type="tns:FITSQueryTableResponse" />
</xs:schema>
```




Thank you

If you have any question please feel free to
contact IT FBN.