WSO2.Telco Mobile Identity Gateway for Mobile Connect Accelerator (MCX)

GSMA Approved Solution

Digital Enablement Powered by APIs for Telcos
Mobile Connect is a **secure universal identity solution**. Simply by matching the user to their mobile phone number, it offers users a wide range of practical uses: from being able to easily register and log in to websites and apps to authorising transactions when online.

- **88%** of consumers say a single secure login solution would be beneficial to them.
- **68%** of users say forgetting passwords is a significant problem.
- **40%** of users admit to using the forgot password feature once a month.

Sources: GSMA Consumer Research 2015, Cyber Streetwise

**WSO2.Telco powers 40% of the 2.5Bn Enabled Mobile Connect users**
How MCX works

1. **CUSTOMER LOGIN**
   Desktop/mobile
   - Secure, convenient & I don't need to remember multiple usernames and passwords!

2. **SERVICE PROVIDER**
   - Operator discovery

3. **GSMA API exchange**

4. **WSO2.Telco MCX solution**
   - Telco Adapter
     - SMPP (SMS)
     - USSD
   - Identity Server
     - AuthN
     - Consent
     - Attributes
     - ESB
     - Customer Registry

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WSO2.Telco Mobile Identity Gateway

• GSMA Certified MCX Vendor
• Standalone solution delivering full Mobile Connect functionality
  ➢ Authentication
  ➢ Authorization
  ➢ Attribute sharing
• Extendable Authenticator Framework
  ➢ SMS, USSD, HE, SIM, Smartphone (LoA2)
  ➢ USSD, HE, SIM, Smartphone (LoA3)
• WSO2 Integration platform for custom integrations
  ➢ SMPP
  ➢ Webservices
  ➢ ETSI 102.204 for standard compliant MSSP
Analytics Dashboard & Reporting

• Real-time and batch analytics
• Existing Dashboard widgets
  ➢ Per SP breakdown
    ▪ Logins
    ▪ Registrations
  ➢ Authentication channels
  ➢ Drop-out analysis
• Rapid creation of new dashboard widgets with little or no backend code changes
• Configurable real-time alerts
# Go-Live Options - MCX

<table>
<thead>
<tr>
<th>Managed Cloud</th>
<th>On-Premise</th>
<th>Hybrid</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Shared instances</td>
<td>• All data remains On-premise</td>
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</tr>
<tr>
<td>• Cost effective, quick start</td>
<td>• SMS, USSD connect integrations can be made direct to MNO subsystem without VPNs.</td>
<td>• Limited On-premise hardware footprint</td>
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<tr>
<td>• No hardware deployed On-Premise</td>
<td>• SP on-boarding via GSMA Developer portal or local gateway</td>
<td>• SP On-boarding via hub portal or GSMA Developer Portal</td>
</tr>
<tr>
<td>• SMS, USSD access via VPN to Hub</td>
<td>• Ability to run own developer engagement program with optional API Management capability</td>
<td>• May require VPN connection</td>
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<tr>
<td>• SP On-boarding via hub portal or GSMA Developer Portal</td>
<td>• Connectors On-premise</td>
<td>• Optional API Management capability</td>
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<td>• May require VPN connection</td>
<td>• Typical Go-live: 3 months</td>
<td>• Connectors On-premise</td>
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<tr>
<td>• Optional API Management capability and access to other hub SPs</td>
<td></td>
<td>• Typical Go-live: 3 months</td>
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<td>• Connectors on the cloud</td>
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<td>• Typical Go-live: 3-4 weeks</td>
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Integration & Support Services

Customer Systems (Southbound Architecture)
- SMSC
- USSD Gateway
- Header Enrichment

We can provide standards based connectors that can enable rapid integration to MNO network elements. Typically all 3 integrations can be completed within one month.

Discovery Service
- Support integration to GSMA exchange.

Service Provider On boarding
- We support upto 2 SPs on-boarding FoC basis
- Additional support can be purchased separately

Note:
These Integration options are common to all Mobile Connect deployment options and can be reused if the customer migrates between options.
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