



User Manual

Developer Portal Manual

Version 3



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1. General Information

1.1 Introduction

The Developer Portal is a dedicated portal provided by ZATCA for the developers of E-invoicing Generation Solutions (EGS). It contains two development tools aimed at supporting developers build compliant EGS units which are:

- **The Compliance and Enablement Toolbox Software Development Kit (SDK):** an offline downloadable tool which can be used to validate an XML based e-invoice, credit or debit note files in accordance with the ZATCA published requirements, standards and guidelines. It also allows validation of the QR codes as per the prescribed structure. Developers can integrate their EGS units with the SDK locally (offline) or also test using a Command Line Interface (CLI).
- **Integration Sandbox:** a test ZATCA backend system which EGS units can integrate with to make API calls to simulate and test the Onboarding process followed by the submission of test e-invoices, credit and debit notes for Reporting and Clearance in accordance with the ZATCA published requirements, standards and guidelines.

In addition to the above, the Developer Portal has a third tool aimed at intermediate or non-technical users to validate an XML based e-invoice, credit or debit note files from the portal directly. This is referred to as the **Compliance and Enablement Toolbox Portal Based Validator**.

Finally, the Developer Portal has a dedicated support page containing a list of Frequently Asked Questions (FAQs) to help developers troubleshoot during development and testing of their EGS units as well as provide guidance on E-invoicing requirements in general.

1.1.1 Objectives

The primary objective of the Developer Portal is to support the Developer community in building EGS units that are compliant with ZATCA's XML implementation standards as well as the Security Features and Implementation Standards.





- The objective of the SDK is to ensure that XML e-invoices, credit or debit notes being generated by the EGS units are compliant
- The objective of the Web based validator is to allow less or non-technical users to be able to independently validate the compliance of XML e-invoices, credit or debit notes and share the results with their developers.
- The objective of the Integration Sandbox is to test the EGS units / solutions / applications are able to integrate with a test ZATCA backend system via APIs covering the following:
 - Submit a test Certificate Signing Request (CSR) to obtain a test Compliance Cryptographic Stamp Identifier (CCSID) and test Request ID
 - Submit a test Request ID to obtain a test Production CSID
 - Submit test Standard Documents using the test Clearance API (or using a variant of the test Reporting API to mimic the process when Clearance is turned off)
 - Submit Simplified Documents using the Reporting API

1.1.2 Scope

This user manual acts as a guide for Developers in order to help them access and use the Developer Portal features and functionalities. It explains in detail the user journey including steps, requirements and processes needed for accessing the Developer Portal. Moreover, it provides guidance for the relevant technical aspects and methods to be used to solve common issues that might be faced by the Portal users. This document covers the following functionalities that are of relevant to the Developer Portal:

- **Accessing the Developer Portal**
 - Website address and browsers supported
 - Main dashboard elements
- **Registration for the Developer Portal**
 - Functionalities that require registration
 - Authentication and verification process
- **Log in to the Developer Portal**
 - Entering user credentials
 - Password reset / Forget Password
 - Successful log in





- Accessing and downloading the Compliance and Enablement Toolbox SDK
 - Understanding of the SDK and how to use it
 - Downloading the SDK
- Accessing and using the Web Based Validator
 - Understanding of and the use of the Web Based Validator
 - Validating XMLs directly on the Web Based Validator
- Accessing and using the Integration Sandbox APIs
 - Accessing documentation for the APIs
 - Using the APIs to integrate with the test ZATCA backend system
 - Test the integration calls for Onboarding, Renewal, Reporting, Clearance

1.1.3 Intended Audience

This document is intended to be used by:

- Solution Developers
- Taxpayers
- Other users of relevance

1.1.4 Recommended Reading

Although not a pre-requisite for accessing and using the Developer Portal functionalities, it is strongly advised that users go through the following documentation:

1. XML Implementation Standards ([E-Invoice XML Implementation Standard](#))
2. Security Features and Implementation Standards ([E-Invoice Security Features and Implementation Standards](#))
3. Data Dictionary ([E-Invoice Data Dictionary](#))
4. E-Invoicing Resolution ([E-Invoicing Resolution](#))

