



Zatca - Business Central  
هيئة الزكاة والضريبة والجمارك

# ZATCA E- INVOICING

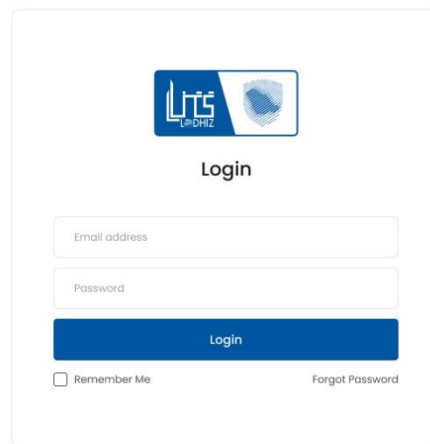
The application offers companies to register, onboard and submit invoices to ZATCA FATOORA portal.

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## User Login

- **Purpose:** The user login functionality allows authorized users to access the ZATCA system securely.
- **Key Features:**
  - Username and password-based authentication.
  - Password reset and account recovery options.



The screenshot shows a login form for the ZATCA system. At the top center is the ZATCA logo, which consists of the letters 'ZATCA' in a stylized font next to a blue shield icon. Below the logo is the word 'Login' in a bold, black font. The form contains two input fields: 'Email address' and 'Password'. Below these fields is a prominent blue button labeled 'Login'. At the bottom left of the form is a checkbox labeled 'Remember Me', and at the bottom right is a link labeled 'Forgot Password'.

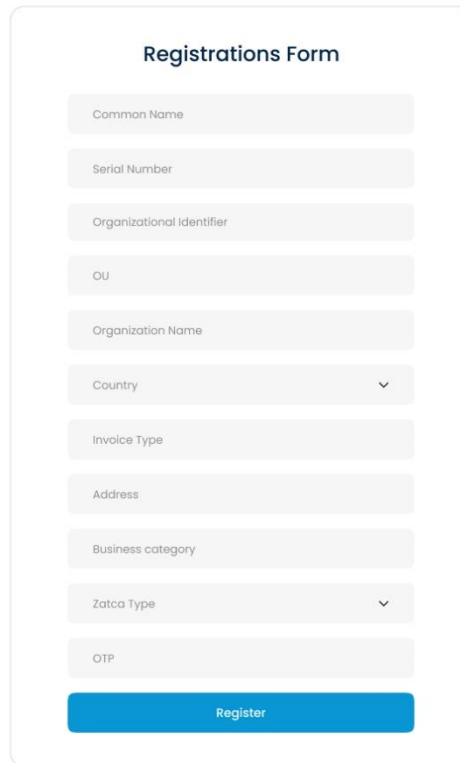
## Device List

- **Purpose:** The dashboard provides an overview of registered or in-progress devices within the ZATCA system.
- **Key Components:**
  - List of registered devices with details such as device ID, status, compliance status, etc.
  - Filters and search functionality for easy navigation and management of devices.

Dashboard Device List					Add
Device Serial Number	Organizational Identifier	OU	Organization Name	Invoice	
54897	Quantum Dynamics Technologies	Marketing Department	BrightStar Solutions	<a href="#">View</a>	
25748	Zenith Innovations Group	Research and Development Division	Evergreen Enterprises	<a href="#">View</a>	
05873	NovaVista Enterprises	Human Resources Team	Summit Dynamics Inc.	<a href="#">View</a>	
98704	Crestwave Solutions	Finance Unit	Skyline Innovations Group	<a href="#">View</a>	
05685	Stellar Nexus Corporation	Customer Support Division	Phoenix Ventures International	<a href="#">View</a>	
66506	TerraTech Industries Ltd.	Operations Department	BlueWave Technologies	<a href="#">View</a>	
21307	AlphaWave Innovations	Sales Division	SilverOak Holdings	<a href="#">View</a>	
87908	1. Horizon Heights Ventures	Information Technology Unit	GoldenGate Solutions Ltd.	<a href="#">View</a>	

## Onboarding Process

- The onboarding process in ZATCA involves several steps to register devices and ensure compliance.
- **Generate CSR (Certificate Signing Request):**
- Users can generate a CSR for their devices, which includes details like device information, owner details, etc.
- CSR generation ensures the device can communicate securely with ZATCA servers.



The image shows a 'Registrations Form' with the following fields: Common Name, Serial Number, Organizational Identifier, OU, Organization Name, Country (dropdown), Invoice Type, Address, Business category, Zatca Type (dropdown), and OTP. A blue 'Register' button is located at the bottom of the form.

## Processes on Device Registration

- **Generate CSID (Certificate Signing and Installation Data):**
  - CSID is generated based on the CSR and includes information required for certificate signing and installation.
  - CSID generation is a crucial step before obtaining the final production CSID.
- **Compliance Check:**
  - ZATCA performs a compliance check based on the provided CSR and CSID to ensure adherence to regulatory requirements.
  - Compliance checks include validation of device details, owner information, and other regulatory criteria.

- **Production CSID:**
- Once the compliance check is successful, ZATCA issues a production CSID, which is a signed certificate for the device.
- The production CSID allows the device to operate legally within the ZATCA ecosystem.
- APIs for Integration with ZATCA (Simulation, Production)
- ZATCA provides APIs for seamless integration with external systems, facilitating data exchange and compliance processes.

## Invoice List

- **Purpose:** The invoice list feature offers a comprehensive view of all invoices generated within the LITS ZATCA Portal, facilitating efficient management, and tracking of financial transactions against each registered Devices for Zatca.
- **Key Components:**
- List of invoices displaying crucial information including invoice number, date, amount, and status
- Filters and search functionality enabling users to quickly locate specific invoices based on criteria such as date range, invoice number, or client name.
- Detailed invoice view providing a breakdown of line items, taxes, discounts, and total amounts for thorough examination and verification.
- Options for sorting invoices based on various parameters such as date, amount, or status, enhancing organization and accessibility.
- Actions such as editing, deleting, or marking invoices as paid, ensuring streamlined invoice management processes.
- Integration with accounting systems or financial software for seamless data synchronization and reconciliation.

Statistics on e-invoicing <span style="float: right;">Add</span>						
Date	Title	ID	Tax ID	Tax%	Grand Total	Status
4/9/2024	HEWN Supply LTD	ACC-SINV-2024..	56486	10%	115,000	Cleared
4/9/2024	HEWN Supply LTD	ACC-SINV-2024..	98354	10%	8,050	Cleared
4/9/2024	HEWN Supply LTD	ACC-SINV-2024..	98731	10%	63,250	Uncleared
4/9/2024	Tech Supply LTD	ACC-SINV-2024..	11597	10%	63,250	Submitted
4/9/2024	Tech Supply LTD	ACC-SINV-2024..	98698	10%	34,500	Cleared
4/9/2024	Tech Supply LTD	ACC-SINV-2024..	63459	10%	80,500	Uncleared
4/9/2024	Tech Supply LTD	ACC-SINV-2024..	87642	10%	55,000	Cleared
4/9/2024	Tech Supply LTD	ACC-SINV-2024..	64538	10%	63,250	Cleared

## APIs for Integration with ZATCA (Simulation, Production)

ZATCA provides APIs for seamless integration with external systems, facilitating data exchange and compliance processes.

- **Generate XML:**
  - API endpoint to generate XML documents required for various transactions and submissions to ZATCA.
  - XML generation includes data related to transactions, device information, compliance details, etc.
- **Signing XML:**
  - API endpoint for signing XML documents to ensure data integrity and authenticity during transmission.
  - XML signing uses digital signatures to validate the source and content of the XML data.
- **Clearance:**
  - API endpoint for submitting clearance requests and receiving clearance status from ZATCA.
  - Clearance API facilitates compliance checks, regulatory approvals, and transaction verifications.

application/json, text/json

Sample:

```
{
  "CompanyNumber": "sample string 1",
  "DeviceSerialNumber": "sample string 2",
  "PreviousInvoiceHash": "sample string 3",
  "Invoice": {
    "EGSUnit": "sample string 1",
    "InterID": "sample string 2",
    "ID": "sample string 3",
    "DocumentDate": "sample string 4",
    "InvoiceTypeCode": "sample string 5",
    "InvoiceTypeCodeName": "sample string 6",
    "CurrencyCode": "sample string 7",
```

```
"TAXCurrencyCode": "sample string 8",
"PartyIdentification_CompanyTRN": "sample string 9",
"InvoiceDocumentReference": "sample string 10",
"cmp_StreetName": "sample string 11",
"cmp_BuildingNumber": "sample string 12",
"cmp_PlotIdentification": "sample string 13",
"cmp_CitySubdivisionName": "sample string 14",
"cmp_CityName": "sample string 15",
"cmp_PostalZone": "sample string 16",
"cm_Country": "sample string 17",
"CompanyName": "sample string 18",
"InvoiceCounter": 19,
"CustomerVatID": "sample string 20",
"Customer_StreetName": "sample string 21",
"Customer_BuldingNumber": "sample string 22",
"Customer_PlotIdentification": "sample string 23",
"Customer_CitySubDivisionName": "sample string 24",
"Customer_CityName": "sample string 25",
"Customer_PostalZone": "sample string 26",
"Customer_CountrySubentity": "sample string 27",
"Customer_Country_IdentificationCode": "sample string 28",
"Customer_PartLegalEntity_RegistrationName": "sample string 29",
"ActualDeliveryDate": "sample string 30",
"LatestDeliveryDate": "sample string 31",
"PaymentMeansInstruction": "sample string 32",
"PaymentMeanCode": "sample string 33",
"AllowanceCharge_ChargeIndicatior": true,
"AllowanceCharge_AllowanceChargeReason": "sample string 35",
"OriginatingTradeDiscountAmount": "sample string 36",
"TaxCategory_VatTypeID": "sample string 37",
"TaxCategory_Percent": "sample string 38",
"OriginatingTaxAmount": "sample string 39",
"OriginatingTaxAmount_USD": "sample string 40",
"TaxTotal_TaxSubTotal_TaxableAmount": "sample string 41",
```



```
"LegalMonetaryTotal_LineExtensionAmount": "sample string 42",
"LegalMonetaryTotal_TaxExclusiveAmount": "sample string 43",
"LegalMonetaryTotal_TaxInclusiveAmount": "sample string 44",
"LegalMonetaryTotal_PayableAmount": "sample string 45",
"InvoiceLines": [
  {
    "InvoicedQuantityUnitCode": "sample string 1",
    "InvoicedQuantity": "sample string 2",
    "LineExtensionAmount": "sample string 3",
    "TaxTotal_TaxAmount": "sample string 4",
    "TaxTotal_RoundingAmount": "sample string 5",
    "Item_Name": "sample string 6",
    "Item_ClassifiedTaxCategory_ID": "sample string 7",
    "Item_ClassifiedTaxCategory_Percent": "sample string 8",
    "Price_PriceAmount": "sample string 9",
    "Price_AllowanceCharge_ChargeIndicator": true,
    "Price_AllowanceCharge_AllowanceChargeReason": "sample string 11",
    "Price_AllowanceCharge_Amount": "sample string 12"
  },
  {
    "InvoicedQuantityUnitCode": "sample string 1",
    "InvoicedQuantity": "sample string 2",
    "LineExtensionAmount": "sample string 3",
    "TaxTotal_TaxAmount": "sample string 4",
    "TaxTotal_RoundingAmount": "sample string 5",
    "Item_Name": "sample string 6",
    "Item_ClassifiedTaxCategory_ID": "sample string 7",
    "Item_ClassifiedTaxCategory_Percent": "sample string 8",
    "Price_PriceAmount": "sample string 9",
    "Price_AllowanceCharge_ChargeIndicator": true,
    "Price_AllowanceCharge_AllowanceChargeReason": "sample string 11",
    "Price_AllowanceCharge_Amount": "sample string 12"
  }
]
```

```
}  
}
```

application/xml, text/xml

Sample:

```
<root xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://schemas.datacontract.org/2004/07/Zatca_Services.Models">  
  <CompanyNumber>sample string 1</CompanyNumber>  
  <DeviceSerialNumber>sample string 2</DeviceSerialNumber>  
  <Invoice>  
    <ActualDeliveryDate>sample string 30</ActualDeliveryDate>  
    <AllowanceCharge-AllowanceChargeReason>sample string 35</AllowanceCharge-AllowanceChargeReason>  
    <AllowanceCharge_ChargeIndicator>true</AllowanceCharge_ChargeIndicator>  
    <CompanyName>sample string 18</CompanyName>  
    <CurrencyCode>sample string 7</CurrencyCode>  
    <CustomerVatID>sample string 20</CustomerVatID>  
    <Customer_BuldingNumber>sample string 22</Customer_BuldingNumber>  
    <Customer_CityName>sample string 25</Customer_CityName>  
    <Customer_CitySubDivisionName>sample string 24</Customer_CitySubDivisionName>  
    <Customer_CountrySubentity>sample string 27</Customer_CountrySubentity>  
    <Customer_Country_IdentificationCode>sample string 28</Customer_Country_IdentificationCode>  
    <Customer_PartLegalEntity_RegistrationName>sample string 29</Customer_PartLegalEntity_RegistrationName>  
    <Customer_PlotIdentification>sample string 23</Customer_PlotIdentification>  
    <Customer_PostalZone>sample string 26</Customer_PostalZone>  
    <Customer_StreetName>sample string 21</Customer_StreetName>  
    <DocumentDate>sample string 4</DocumentDate>  
    <EGSUnit>sample string 1</EGSUnit>  
    <ID>sample string 3</ID>  
    <InterID>sample string 2</InterID>  
    <InvoiceCounter>19</InvoiceCounter>  
    <InvoiceDocumentReference>sample string 10</InvoiceDocumentReference>  
    <InvoiceLines>
```

```
<InvoiceDetails>
  <InvoicedQuantity>sample string 2</InvoicedQuantity>
  <InvoicedQuantityUnitCode>sample string 1</InvoicedQuantityUnitCode>
  <Item_ClassifiedTaxCategory_ID>sample string 7</Item_ClassifiedTaxCategory_ID
>
  <Item_ClassifiedTaxCategory_Percent>sample string 8</Item_ClassifiedTaxCatego
ry_Percent>
  <Item_Name>sample string 6</Item_Name>
  <LineExtensionAmount>sample string 3</LineExtensionAmount>
  <Price_AllowanceCharge_AllowanceChargeReason>sample string 11</Price_Allowanc
eCharge_AllowanceChargeReason>
  <Price_AllowanceCharge_Amount>sample string 12</Price_AllowanceCharge_Amount>
  <Price_AllowanceCharge_ChargeIndicator>true</Price_AllowanceCharge_ChargeIndi
cator>
  <Price_PriceAmount>sample string 9</Price_PriceAmount>
  <TaxTotal_RoundingAmount>sample string 5</TaxTotal_RoundingAmount>
  <TaxTotal_TaxAmount>sample string 4</TaxTotal_TaxAmount>
</InvoiceDetails>
<InvoiceDetails>
  <InvoicedQuantity>sample string 2</InvoicedQuantity>
  <InvoicedQuantityUnitCode>sample string 1</InvoicedQuantityUnitCode>
  <Item_ClassifiedTaxCategory_ID>sample string 7</Item_ClassifiedTaxCategory_ID
>
  <Item_ClassifiedTaxCategory_Percent>sample string 8</Item_ClassifiedTaxCatego
ry_Percent>
  <Item_Name>sample string 6</Item_Name>
  <LineExtensionAmount>sample string 3</LineExtensionAmount>
  <Price_AllowanceCharge_AllowanceChargeReason>sample string 11</Price_Allowanc
eCharge_AllowanceChargeReason>
  <Price_AllowanceCharge_Amount>sample string 12</Price_AllowanceCharge_Amount>
  <Price_AllowanceCharge_ChargeIndicator>true</Price_AllowanceCharge_ChargeIndi
cator>
  <Price_PriceAmount>sample string 9</Price_PriceAmount>
  <TaxTotal_RoundingAmount>sample string 5</TaxTotal_RoundingAmount>
  <TaxTotal_TaxAmount>sample string 4</TaxTotal_TaxAmount>
</InvoiceDetails>
</InvoiceLines>
```

```
<InvoiceTypeCode>sample string 5</InvoiceTypeCode>
<InvoiceTypeCodeName>sample string 6</InvoiceTypeCodeName>
<LatestDeliveryDate>sample string 31</LatestDeliveryDate>
<LegalMonetaryTotal_LineExtensionAmount>sample string 42</LegalMonetaryTotal_Line
ExtensionAmount>
  <LegalMonetaryTotal_PayableAmount>sample string 45</LegalMonetaryTotal_PayableAmo
unt>
  <LegalMonetaryTotal_TaxExclusiveAmount>sample string 43</LegalMonetaryTotal_TaxEx
clusiveAmount>
  <LegalMonetaryTotal_TaxInclusiveAmount>sample string 44</LegalMonetaryTotal_TaxIn
clusiveAmount>
    <OriginatingTaxAmount>sample string 39</OriginatingTaxAmount>
    <OriginatingTaxAmount_USD>sample string 40</OriginatingTaxAmount_USD>
    <OriginatingTradeDiscountAmount>sample string 36</OriginatingTradeDiscountAmount>
    <PartyIdentification_CompanyTRN>sample string 9</PartyIdentification_CompanyTRN>
    <PaymentMeanCode>sample string 33</PaymentMeanCode>
    <PaymentMeansInstruction>sample string 32</PaymentMeansInstruction>
    <TAXCurrencyCode>sample string 8</TAXCurrencyCode>
    <TaxCategory_Percent>sample string 38</TaxCategory_Percent>
    <TaxCategory_VatTypeID>sample string 37</TaxCategory_VatTypeID>
    <TaxTotal_TaxSubTotal_TaxableAmount>sample string 41</TaxTotal_TaxSubTotal_Taxabl
eAmount>
      <cm_Country>sample string 17</cm_Country>
      <cmp_BuildingNumber>sample string 12</cmp_BuildingNumber>
      <cmp_CityName>sample string 15</cmp_CityName>
      <cmp_CitySubdivisionName>sample string 14</cmp_CitySubdivisionName>
      <cmp_PlotIdentification>sample string 13</cmp_PlotIdentification>
      <cmp_PostalZone>sample string 16</cmp_PostalZone>
      <cmp_StreetName>sample string 11</cmp_StreetName>
    </Invoice>
  <PreviousInvoiceHash>sample string 3</PreviousInvoiceHash>
</root>
```

# Invoice Submission

## Invoice Creation and PDF Download (PDF-A Format)

- **Purpose:** The portal provides users with the functionality to create invoices seamlessly and download them in PDF-A format, ensuring compliance with archival standards.

## Invoice Creation:

- **User Interface:**
  - Intuitive form-based interface for entering invoice details such as invoice number, billing information, line items, etc.
  - Dropdowns, date pickers, and input fields for accurate data entry and selection.
  - Validation checks to ensure data accuracy and completeness before invoice generation.
- **Backend Processing:**
  - Upon submission of invoice details, backend processes validate the data, perform necessary calculations, and generate the invoice.
  - Generation of XML or structured data format for internal processing and compliance purposes.
  - Integration with external systems (e.g., accounting software) for seamless data transfer and synchronization.

## PDF-A Format Download:

- **Conversion to PDF-A:**
  - The system converts the generated invoice data or XML into PDF-A format, which is optimized for long-term archiving and compliance.
  - PDF-A format ensures that the document remains accessible and readable for an extended period, meeting regulatory requirements.
- **Download Options:**
  - Users can initiate the download of the invoice in PDF-A format directly from the portal interface.
  - Download functionality includes options for selecting specific invoices, bulk downloads, and archival of historical invoices.

### Compliance and Security:

- **Compliance Checks:**
  - Before PDF-A conversion, the system performs compliance checks to ensure that the invoice data meets regulatory standards.

- Checks include data integrity, formatting standards, metadata inclusion, and adherence to PDF-A specifications.
- **Security Measures:**
- Secure download mechanisms with authentication and authorization controls to restrict access to authorized users only.
- Encryption of PDF-A files during transmission and storage to protect sensitive financial data.

application/json, text/json

Sample:

```
{  
  "Base64PDF": "sample string 1",  
  "Base64XML": "sample string 2",  
  "FileName": "sample string 3"  
}
```

application/xml, text/xml

Sample:

```
<GetEmbeddedXmlPDF xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://  
schemas.datacontract.org/2004/07/Zatca_Services.Models">  
  <Base64PDF>sample string 1</Base64PDF>  
  <Base64XML>sample string 2</Base64XML>  
  <FileName>sample string 3</FileName>  
</GetEmbeddedXmlPDF>
```

## Zatcha E-Invoice

Invoice Number:	<input type="text"/>	Bill Reference:	<input type="text"/>	Invoice Type:	<input type="text" value="Option 01"/>
UUID:	<input type="text"/>	Bill Ref UUID:	<input type="text"/>	VAT Type:	<input type="text" value="Consumption Method"/>
Invoice Date:	<input type="text"/>	Bill Ref Notes:	<input type="text"/>	Payment Code:	<input type="text" value="Cash"/>
Invoice Hash:	<input type="text"/>	Bill Ref Payment Mode:	<input type="text" value="Cash"/>	Invoice Type Code:	<input type="text"/>
Invoice XML:	<input type="text"/>			Currency Code:	<input type="text" value="SAR"/>
				VAT Currency Code:	<input type="text" value="SAR"/>

Item Code:  Name:  Unit:  Price:  Qty:  Amount:

Item Code	Name	Unit	Price	Qty	Amount				
S. No	Item Code	Item Name	Unit Price	Price	Qty	Total	Tax ID	Tax%	Line Amount
01	8414	Keyboard	\$10.00	\$10.00	1	\$10.00	\$10.00	2%	\$12.00
02	5864	Table	\$10.00	\$10.00	3	\$30.00	\$10.00	2%	\$12.00
Invoice Hash									--
Signed XML									--
Encoded Invoice/<td>									--
QR Code									--