

## API ROZHRANIE

Technická dokumentácia

Posledná zmena:  
14.1.2021

## 1 API ROZHRAŇIE

### 1.1 AUTENTIFIKÁCIA

Pri volaniach API je potrebné vyplňať atribúty a podľa toho či sa jedná o použitie pod vlastným účtom alebo o sprostredkované použitie prostredníctvom administrátora tretej strany. Každú službu je možné používať oboma spôsobmi.

#### 1.1.1 PRIAME POUŽITIE

Určené pre bežných používateľov. Vyplnené *Username* a *Password*. Atribúty *ServiceId* a *ServiceUserId* v takomto použití vyplňané nie sú.

VSTUP
... <Username>test@test.test</Username> <Password>test@test.test</Password> ...

#### 1.1.2 SPROSTREDKOVANÉ POUŽITIE ADMINISTRÁTORMI TRETÍCH STRÁN

Určené pre administrátorov tretích strán. Administrátor tretej strany je prihlásený svojimi údajmi, ale úkony sú vykonávané v mene prepojeného používateľa, ktorý bude aj vlastníkom faktúr. V tomto prípade sú atribúty *ServiceId* a *ServiceUserId* povinné.

VSTUP
... <Username>poweruser@poweruser.poweruser</Username> <Password>poweruser@poweruser.poweruser</Password> <ServiceId>B129241E-5BCA-4EFD-9D57-CC360BE070CE</ServiceId> <ServiceUserId>ABCDEFGHR...XYZ</ServiceUserId> ...

## 1.2 VÝBER KRAJINY POUŽITIA KÓDOV

V aplikácií je možné generovať QR Pay platby v slovenskom a českom formáte. Pre vygenerovanie slovenského formátu QR Pay platby je potrebné nastaviť atribút *Slovak* na *true*. Pre vygenerovanie českého formátu QR Pay platby je potrebné nastaviť atribút *Czech* na *true*. Pre vygenerovanie formátu QR Pay platby pre obidve krajiny je potrebné nastaviť atribút *Czech* na *true* a atribút *Slovak* na *true*.

V prípade ak atribút *CountryOptions* nebol definovaný vygeneruje sa QR Pay platba len v slovenskom formáte.

VSTUP
<BySquareXmlDocuments xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> ... <CountryOptions> <Slovak>true</Slovak>

```
<Czech>false</Czech>  
</CountryOptions>  
<Documents>  
...
```

### 1.2.1 MAPOVANIE PAY BY SQUARE KOD NA QR PLATBA CZ

Dáta pre QR Platba CZ su definované v SPAYD (Short Payment Descriptor) formáte.

Špecifikácia formátu

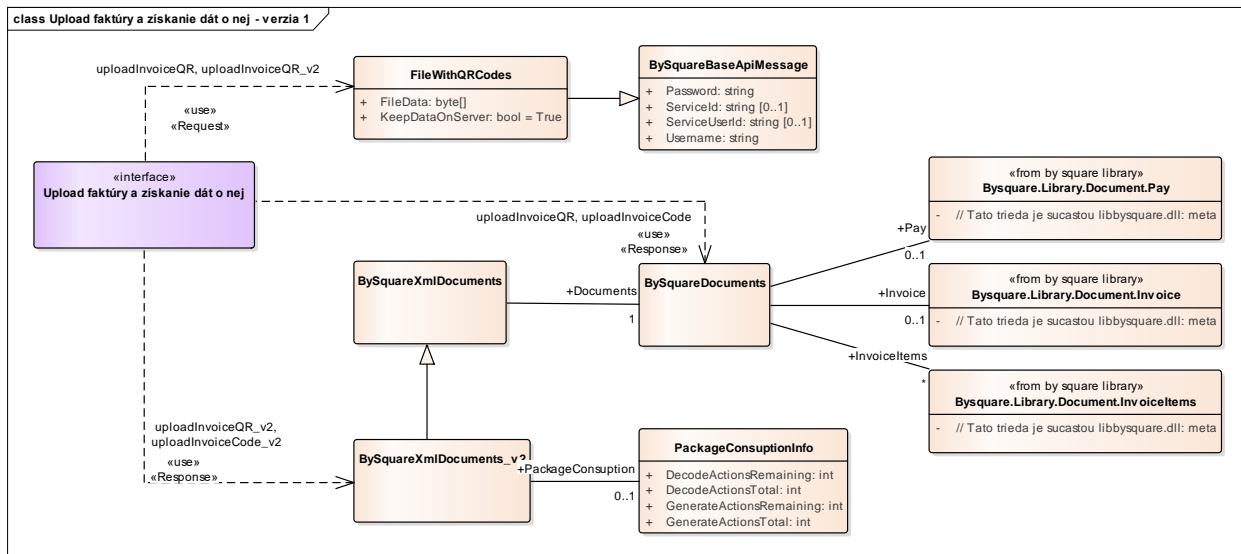
<https://qr-platba.cz/pro-vyvojare/specifikace-formatu/>

[https://en.wikipedia.org/wiki/Short\\_Payment\\_Descriptor](https://en.wikipedia.org/wiki/Short_Payment_Descriptor)

Mapovanie Pay By Square dokumentu na SPAYD formát

SPAYD kľúč	SPAYD informácia	Pay By Square kľúč	Poznámka
ACC	Identifikácia protistrany	BankAccounts	Zo zoznamu účtov sa vybere prvý účet
ALT-ACC	Zoznam alternatívnych účtov	BankAccounts	Ako alternatívne účty sa nastaví všetky účty okrem prvého (základného účtu)
AM	Výška platby	Amount	
CC	Mena platby	CurrencyCode	
DT	Dátum splatnosti	PaymentDueDate	
MSG	Správa pre príjemcu	PaymentNote	
X-VS	Variabilný symbol	VariableSymbol	
X-SS	Špecifický symbol	SpecificSymbol	
X-KS	Konštantný symbol	ConstantSymbol	
RN	Meno príjemcu	BeneficiaryName	

## 1.3 UPLOAD FAKTÚRY A ZÍSKANIE DÁT O NEJ - VARIANT 1



Táto služba API rozhrania slúži pre upload faktúry. Faktúra je uložená v úložisku faktúr používateľa. Služba taktiež vráti rozpoznané dáta z uploadnutej faktúry v štruktúrovanej forme.

Doplňujúce informácie o atribútoch:

<b>KeepDataOnServer</b>	Rozhoduje, či sa údaje uložia aj na servery aplikácie by square (TRUE), alebo sa len spracujú (FALSE)
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### 1.3.1 POPIS POUŽÍVANIA API

<b>TYP</b>	POST
<b>CONTENT TYPE</b>	application/xml
<b>ADRESA</b>	Verzia 1: <a href="https://app.bysquare.com/api/uploadInvoiceQR">https://app.bysquare.com/api/uploadInvoiceQR</a> Verzia 2: <a href="https://app.bysquare.com/api/uploadInvoiceQR_v2">https://app.bysquare.com/api/uploadInvoiceQR_v2</a>
<b>VSTUP</b>	<pre> &lt;FileWithQRCodes   xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;Username&gt;test@test.test&lt;/Username&gt;   &lt;Password&gt;test@test.test&lt;/Password&gt;   &lt;KeepDataOnServer&gt;true&lt;/KeepDataOnServer&gt;   &lt;FileData&gt;iVBORw0KGgNS...Bytes of Invoice pdf document as Base64&lt;/FileData&gt; &lt;/FileWithQRCodes&gt;         </pre>
<b>VÝSTUP – verzia 1</b>	<pre> &lt;BySquareDocuments xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;Invoice xsi:type="Invoice" xmlns="http://www.bysquare.com/bysquare"&gt;     &lt;InvoiceID&gt;2013019&lt;/InvoiceID&gt;     &lt;IssueDate&gt;2013-05-13T00:00:00&lt;/IssueDate&gt;     &lt;TaxPointDate&gt;2013-05-13T00:00:00&lt;/TaxPointDate&gt;   &lt;/Invoice&gt; &lt;/BySquareDocuments&gt;         </pre>

```
<LocalCurrencyCode>EUR</LocalCurrencyCode>
<CurrRate xsi:nil="true" />
<ReferenceCurrRate xsi:nil="true" />
<SupplierParty>
  <PartyName>iLancer s.r.o.</PartyName>
  <CompanyTaxID>2023187133</CompanyTaxID>
  <CompanyVATID>SK2023187133</CompanyVATID>
  <CompanyRegisterID>45960119</CompanyRegisterID>
  <PostalAddress>
    <StreetName>Špitálska</StreetName>
    <BuildingNumber>10</BuildingNumber>
    <CityName>Bratislava</CityName>
    <PostalZone>81108</PostalZone>
    <Country>SVK</Country>
  </PostalAddress>
  <Contact>
    <Name>Ing. Martin Vician</Name>
    <EMail>martin.vician@ilancer.eu</EMail>
  </Contact>
</SupplierParty>
<CustomerParty>
  <PartyName>Forsys a.s.</PartyName>
  <CompanyTaxID>2022683003</CompanyTaxID>
  <CompanyVATID>SK2022683003</CompanyVATID>
  <CompanyRegisterID>44232730</CompanyRegisterID>
</CustomerParty>
<NumberOfInvoiceLines xsi:nil="true" />
<SingleInvoiceLine>
  <ItemName>Vedenie účtovníctva za 2Q 2013</ItemName>
  <PeriodFromDate xsi:nil="true" />
  <PeriodToDate xsi:nil="true" />
  <InvoicedQuantity>3</InvoicedQuantity>
  <UnitPriceTaxExclusiveAmount>200</UnitPriceTaxExclusiveAmount>
  <UnitPriceTaxInclusiveAmount>240</UnitPriceTaxInclusiveAmount>
  <UnitPriceTaxAmount>40</UnitPriceTaxAmount>
</SingleInvoiceLine>
<TaxCategorySummaries>
  <TaxCategorySummary>
    <ClassifiedTaxCategory>0.2</ClassifiedTaxCategory>
    <TaxExclusiveAmount>600</TaxExclusiveAmount>
    <TaxInclusiveAmount>720</TaxInclusiveAmount>
    <TaxAmount>120</TaxAmount>
    <AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
    <AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
    <AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
    <DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
    <DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
    <DifferenceTaxAmount>120</DifferenceTaxAmount>
  </TaxCategorySummary>
</TaxCategorySummaries>
<MonetarySummary>
  <TaxExclusiveAmount>600</TaxExclusiveAmount>
  <TaxInclusiveAmount>720</TaxInclusiveAmount>
  <TaxAmount>120</TaxAmount>
  <AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
  <AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
  <AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
  <DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
  <DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
  <DifferenceTaxAmount>120</DifferenceTaxAmount>
</MonetarySummary>
```

```

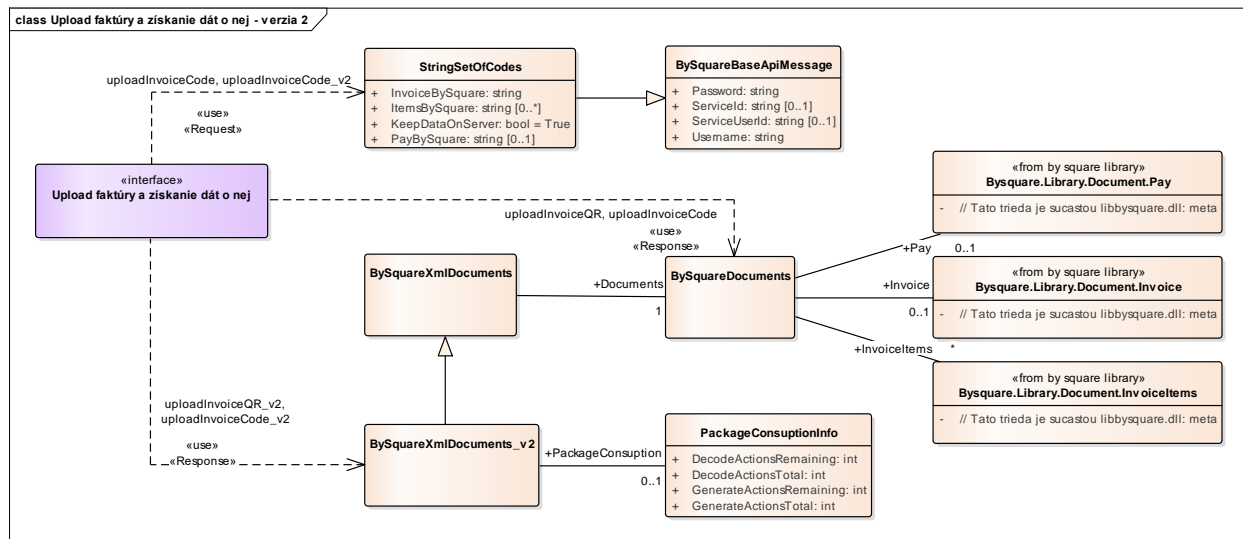
        <PayableRoundingAmount>0</PayableRoundingAmount>
        <PaidDepositsAmount>0</PaidDepositsAmount>
        <PayableAmount>720</PayableAmount>
    </MonetarySummary>
</Invoice>
<Pay xsi:type="Pay" xmlns="http://www.bysquare.com/bysquare">
    ...
</Pay>
</BySquareDocuments>
    
```

## VÝSTUP – verzia 2

```

<BySquareXmlDocuments_v2 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Documents>
        <Invoice xsi:type="Invoice" xmlns="http://www.bysquare.com/bysquare">
            ...
        </Invoice>
    </Documents>
    <PackageConsumption>
        <GenerateActionsTotal>100</GenerateActionsTotal>
        <GenerateActionsRemaining>100</GenerateActionsRemaining>
        <DecodeActionsTotal>20</DecodeActionsTotal>
        <DecodeActionsRemaining>9</DecodeActionsRemaining>
    </PackageConsumption>
</BySquareXmlDocuments_v2>
    
```

## 1.4 UPLOAD FAKTÚRY A ZÍSKANIE DÁT O NEJ - VARIANT 2



Táto služba API rozhrania slúži pre upload faktúry. Faktúra je uložená v úložisku faktúr používateľa. Služba taktiež vráti rozpoznané dáta z uploadnutej faktúry v štruktúrovanej forme.

Doplňujúce informácie o atribútoch:

<b>KeepDataOnServer</b>	Rozhoduje, či sa údaje uložia aj na servery aplikácie by square (TRUE), alebo sa len spracujú (FALSE)
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## 1.4.1 IMPLEMENTÁCIA API

TYP	POST
CONTENT TYPE	application/xml
ADRESA	Verzia 1: https://app.bysquare.com/api/uploadInvoiceCode Verzia 2: https://app.bysquare.com/api/uploadInvoiceCode_v2
VSTUP	
<pre>&lt;StringSetOfCodes xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;Username&gt;test@test.test&lt;/Username&gt;   &lt;Password&gt;test@test.test&lt;/Password&gt;   &lt;KeepDataOnServer&gt;true&lt;/KeepDataOnServer&gt;   &lt;InvoiceBySquare&gt;2001G0804E3.... string code of Invoice&lt;/InvoiceBySquare&gt;   &lt;PayBySquare&gt;2001G0804E3.... string code of Pay&lt;/PayBySquare&gt;   &lt;ItemsBySquare&gt;     &lt;string&gt;       2001G0804E3.... string code of Item     &lt;/string&gt;   &lt;/ItemsBySquare&gt; &lt;/StringSetOfCodes&gt;</pre>	
VÝSTUP – verzia 1	
<pre>&lt;BySquareDocuments xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;Invoice xsi:type="Invoice" xmlns="http://www.bysquare.com/bysquare"&gt;     &lt;InvoiceID&gt;2013019&lt;/InvoiceID&gt;     &lt;IssueDate&gt;2013-05-13T00:00:00&lt;/IssueDate&gt;     &lt;TaxPointDate&gt;2013-05-13T00:00:00&lt;/TaxPointDate&gt;     &lt;LocalCurrencyCode&gt;EUR&lt;/LocalCurrencyCode&gt;     &lt;CurrRate xsi:nil="true" /&gt;     &lt;ReferenceCurrRate xsi:nil="true" /&gt;     &lt;SupplierParty&gt;       &lt;PartyName&gt;iLancer s.r.o.&lt;/PartyName&gt;       &lt;CompanyTaxID&gt;2023187133&lt;/CompanyTaxID&gt;       &lt;CompanyVATID&gt;SK2023187133&lt;/CompanyVATID&gt;       &lt;CompanyRegisterID&gt;45960119&lt;/CompanyRegisterID&gt;       &lt;PostalAddress&gt;         &lt;StreetName&gt;Špitálska&lt;/StreetName&gt;         &lt;BuildingNumber&gt;10&lt;/BuildingNumber&gt;         &lt;CityName&gt;Bratislava&lt;/CityName&gt;         &lt;PostalZone&gt;81108&lt;/PostalZone&gt;         &lt;Country&gt;SVK&lt;/Country&gt;       &lt;/PostalAddress&gt;       &lt;Contact&gt;         &lt;Name&gt;Ing. Martin Vician&lt;/Name&gt;         &lt;EMail&gt;martin.vician@ilancer.eu&lt;/EMail&gt;       &lt;/Contact&gt;     &lt;/SupplierParty&gt;     &lt;CustomerParty&gt;       &lt;PartyName&gt;Forsys a.s.&lt;/PartyName&gt;       &lt;CompanyTaxID&gt;2022683003&lt;/CompanyTaxID&gt;       &lt;CompanyVATID&gt;SK2022683003&lt;/CompanyVATID&gt;       &lt;CompanyRegisterID&gt;44232730&lt;/CompanyRegisterID&gt;     &lt;/CustomerParty&gt;     &lt;NumberOfInvoicelines xsi:nil="true" /&gt;     &lt;SingleInvoiceLine&gt;       &lt;ItemName&gt;Vedenie účtovníctva za 2Q 2013&lt;/ItemName&gt;       &lt;PeriodFromDate xsi:nil="true" /&gt;     &lt;/SingleInvoiceLine&gt;   &lt;/Invoice&gt; &lt;/BySquareDocuments&gt;</pre>	

```

    <PeriodToDate xsi:nil="true" />
    <InvoicedQuantity>3</InvoicedQuantity>
    <UnitPriceTaxExclusiveAmount>200</UnitPriceTaxExclusiveAmount>
    <UnitPriceTaxInclusiveAmount>240</UnitPriceTaxInclusiveAmount>
    <UnitPriceTaxAmount>40</UnitPriceTaxAmount>
  </SingleInvoiceLine>
  <TaxCategorySummaries>
    <TaxCategorySummary>
      <ClassifiedTaxCategory>0.2</ClassifiedTaxCategory>
      <TaxExclusiveAmount>600</TaxExclusiveAmount>
      <TaxInclusiveAmount>720</TaxInclusiveAmount>
      <TaxAmount>120</TaxAmount>
      <AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
      <AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
      <AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
      <DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
      <DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
      <DifferenceTaxAmount>120</DifferenceTaxAmount>
    </TaxCategorySummary>
  </TaxCategorySummaries>
  <MonetarySummary>
    <TaxExclusiveAmount>600</TaxExclusiveAmount>
    <TaxInclusiveAmount>720</TaxInclusiveAmount>
    <TaxAmount>120</TaxAmount>
    <AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
    <AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
    <AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
    <DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
    <DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
    <DifferenceTaxAmount>120</DifferenceTaxAmount>
    <PayableRoundingAmount>0</PayableRoundingAmount>
    <PaidDepositsAmount>0</PaidDepositsAmount>
    <PayableAmount>720</PayableAmount>
  </MonetarySummary>
</Invoice>
</BySquareDocuments>

```

## VÝSTUP – verzia 2

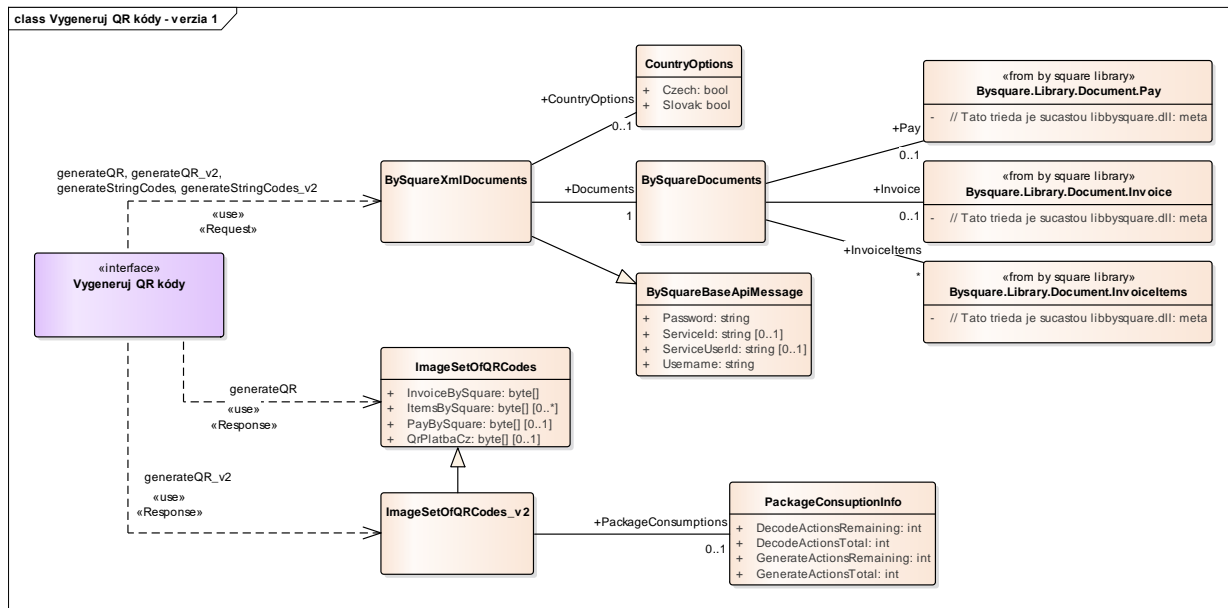
```

<BySquareXmlDocuments_v2 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Documents>
    <Invoice xsi:type="Invoice" xmlns="http://www.bysquare.com/bysquare">
      ...
    </Invoice>
  </Documents>
  <PackageConsumption>
    <GenerateActionsTotal>100</GenerateActionsTotal>
    <GenerateActionsRemaining>100</GenerateActionsRemaining>
    <DecodeActionsTotal>20</DecodeActionsTotal>
    <DecodeActionsRemaining>9</DecodeActionsRemaining>
  </PackageConsumption>
</BySquareXmlDocuments_v2>

```









## 1.5 VYGENERUJ QR KÓDY - VARIANT 1



Táto služba API rozhrania poskytuje možnosť vygenerovať QR kódy faktúru na základe vstupných údajov o faktúre.

### 1.5.1 IMPLEMENTÁCIA API

TYP	POST
CONTENT TYPE	application/xml
ADRESA	Verzia 1: <a href="https://app.bysquare.com/api/generateQR">https://app.bysquare.com/api/generateQR</a> Verzia 2: <a href="https://app.bysquare.com/api/generateQR_v2">https://app.bysquare.com/api/generateQR_v2</a>
VZHEAD VÝSTUPU	   <p>INVOICE by square </p> <p>PAY by square </p> <p>QR Platba</p>

<p>ALTERNATÍVNE ADRESY</p>	<p>Verzia 2 s výstupnými obrázkami pre tlač  <a href="https://app.bysquare.com/api/generateQRPrint">https://app.bysquare.com/api/generateQRPrint</a></p>
<p>VZHEAD VÝSTUPU PRE TLAČ</p>	 <p>The image shows three QR codes arranged vertically. The top QR code is labeled 'INVOICE by square' and includes icons for 'Slovenská POŠTA', a mobile phone, and 'SKPAY'. The middle QR code is labeled 'ZAPLATÍTE cez' (Pay through) and 'PAY by square' with a credit card icon. The bottom QR code is labeled 'QR Platba' (QR Payment).</p>
<p>VSTUP</p>	
<pre>&lt;BySquareXmlDocuments xmlns:xsd="http://www.w3.org/2001/XMLSchema"   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;Username&gt;test@test.test&lt;/Username&gt;   &lt;Password&gt;test@test.test&lt;/Password&gt;   &lt;CountryOptions&gt;     &lt;Slovak&gt;true&lt;/Slovak&gt;     &lt;Czech&gt;false&lt;/Czech&gt;   &lt;/CountryOptions&gt;   &lt;Documents&gt;     &lt;Invoice xsi:type="Invoice" xmlns="http://www.bysquare.com/bysquare"&gt;       &lt;InvoiceID&gt;2013019&lt;/InvoiceID&gt;       &lt;IssueDate&gt;2013-05-13T00:00:00&lt;/IssueDate&gt;       &lt;TaxPointDate&gt;2013-05-13T00:00:00&lt;/TaxPointDate&gt;       &lt;LocalCurrencyCode&gt;EUR&lt;/LocalCurrencyCode&gt;       &lt;CurrRate xsi:nil="true" /&gt;       &lt;ReferenceCurrRate xsi:nil="true" /&gt;       &lt;SupplierParty&gt;         &lt;PartyName&gt;iLancer s.r.o.&lt;/PartyName&gt;         &lt;CompanyTaxID&gt;2023187133&lt;/CompanyTaxID&gt;         &lt;CompanyVATID&gt;SK2023187133&lt;/CompanyVATID&gt;         &lt;CompanyRegisterID&gt;45960119&lt;/CompanyRegisterID&gt;         &lt;PostalAddress&gt;</pre>	

```
<StreetName>Špitálska</StreetName>
<BuildingNumber>10</BuildingNumber>
<CityName>Bratislava</CityName>
<PostalZone>81108</PostalZone>
<Country>SVK</Country>
</PostalAddress>
<Contact>
  <Name>Ing. Martin Vician</Name>
  <EMail>martin.vician@ilancer.eu</EMail>
</Contact>
</SupplierParty>
<CustomerParty>
  <PartyName>Forsys a.s.</PartyName>
  <CompanyTaxID>2022683003</CompanyTaxID>
  <CompanyVATID>SK2022683003</CompanyVATID>
  <CompanyRegisterID>44232730</CompanyRegisterID>
</CustomerParty>
<NumberOfInvoiceLines xsi:nil="true" />
<SingleInvoiceLine>
  <ItemName>Vedenie účtovníctva za 2Q 2013</ItemName>
  <PeriodFromDate xsi:nil="true" />
  <PeriodToDate xsi:nil="true" />
  <InvoicedQuantity>3</InvoicedQuantity>
  <UnitPriceTaxExclusiveAmount>200</UnitPriceTaxExclusiveAmount>
  <UnitPriceTaxInclusiveAmount>240</UnitPriceTaxInclusiveAmount>
  <UnitPriceTaxAmount>40</UnitPriceTaxAmount>
</SingleInvoiceLine>
<TaxCategorySummaries>
  <TaxCategorySummary>
    <ClassifiedTaxCategory>0.2</ClassifiedTaxCategory>
    <TaxExclusiveAmount>600</TaxExclusiveAmount>
    <TaxInclusiveAmount>720</TaxInclusiveAmount>
    <TaxAmount>120</TaxAmount>
    <AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
    <AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
    <AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
    <DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
    <DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
    <DifferenceTaxAmount>120</DifferenceTaxAmount>
  </TaxCategorySummary>
</TaxCategorySummaries>
<MonetarySummary>
  <TaxExclusiveAmount>600</TaxExclusiveAmount>
  <TaxInclusiveAmount>720</TaxInclusiveAmount>
  <TaxAmount>120</TaxAmount>
  <AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
  <AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
  <AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
  <DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
  <DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
  <DifferenceTaxAmount>120</DifferenceTaxAmount>
  <PayableRoundingAmount>0</PayableRoundingAmount>
  <PaidDepositsAmount>0</PaidDepositsAmount>
  <PayableAmount>720</PayableAmount>
</MonetarySummary>
</Invoice>
<Pay xsi:type="Pay" xmlns="http://www.bysquare.com/bysquare">
  <Payments>
    <Payment>
      <PaymentOptions>paymentorder</PaymentOptions>
```

```
<Amount xsi:nil="true" />
<CurrencyCode>EUR</CurrencyCode>
<PaymentDueDate xsi:nil="true" />
<BankAccounts>
  <BankAccount>
    <IBAN>AA0012345678901234567890</IBAN>
    <BIC>AAAABB11</BIC>
  </BankAccount>
</BankAccounts>
<VariableSymbol>123457890</VariableSymbol>
<ConstantSymbol>1234</ConstantSymbol>
<SpecificSymbol>123457890</SpecificSymbol>
</Payment>
</Payments>
</Pay>
<InvoiceItems xsi:type="InvoiceItems" xmlns="http://www.bysquare.com/bysquare">
  <InvoiceID>1</InvoiceID>
  <FirstInvoiceLineID>1</FirstInvoiceLineID>
  <InvoiceLines>
    <InvoiceLine>
      <ItemName>Name</ItemName>
      <PeriodFromDate>2016-03-02T00:00:00</PeriodFromDate>
      <PeriodToDate>2016-03-04T00:00:00</PeriodToDate>
      <InvoicedQuantity>1</InvoicedQuantity>
      <UnitPriceTaxExclusiveAmount>1</UnitPriceTaxExclusiveAmount>
      <UnitPriceTaxInclusiveAmount>2</UnitPriceTaxInclusiveAmount>
      <UnitPriceTaxAmount>1</UnitPriceTaxAmount>
      <LineTaxExclusiveAmount>1</LineTaxExclusiveAmount>
      <LineTaxInclusiveAmount>2</LineTaxInclusiveAmount>
      <LineTaxAmount>1</LineTaxAmount>
      <ClassifiedTaxCategory>0.5</ClassifiedTaxCategory>
    </InvoiceLine>
  </InvoiceLines>
</InvoiceItems>
<InvoiceItems xsi:type="InvoiceItems" xmlns="http://www.bysquare.com/bysquare">
  <InvoiceID>2</InvoiceID>
  <FirstInvoiceLineID>2</FirstInvoiceLineID>
  <InvoiceLines>
    <InvoiceLine>
      <ItemName>Name2</ItemName>
      <PeriodFromDate>2016-03-02T00:00:00</PeriodFromDate>
      <PeriodToDate>2016-03-04T00:00:00</PeriodToDate>
      <InvoicedQuantity>1</InvoicedQuantity>
      <UnitPriceTaxExclusiveAmount>2</UnitPriceTaxExclusiveAmount>
      <UnitPriceTaxInclusiveAmount>3</UnitPriceTaxInclusiveAmount>
      <UnitPriceTaxAmount>1</UnitPriceTaxAmount>
      <LineTaxExclusiveAmount>2</LineTaxExclusiveAmount>
      <LineTaxInclusiveAmount>3</LineTaxInclusiveAmount>
      <LineTaxAmount>1</LineTaxAmount>
      <ClassifiedTaxCategory>0.5</ClassifiedTaxCategory>
    </InvoiceLine>
  </InvoiceLines>
</InvoiceItems>
</Documents>
</BySquareXmlDocuments>
```

## VÝSTUP – verzia 1

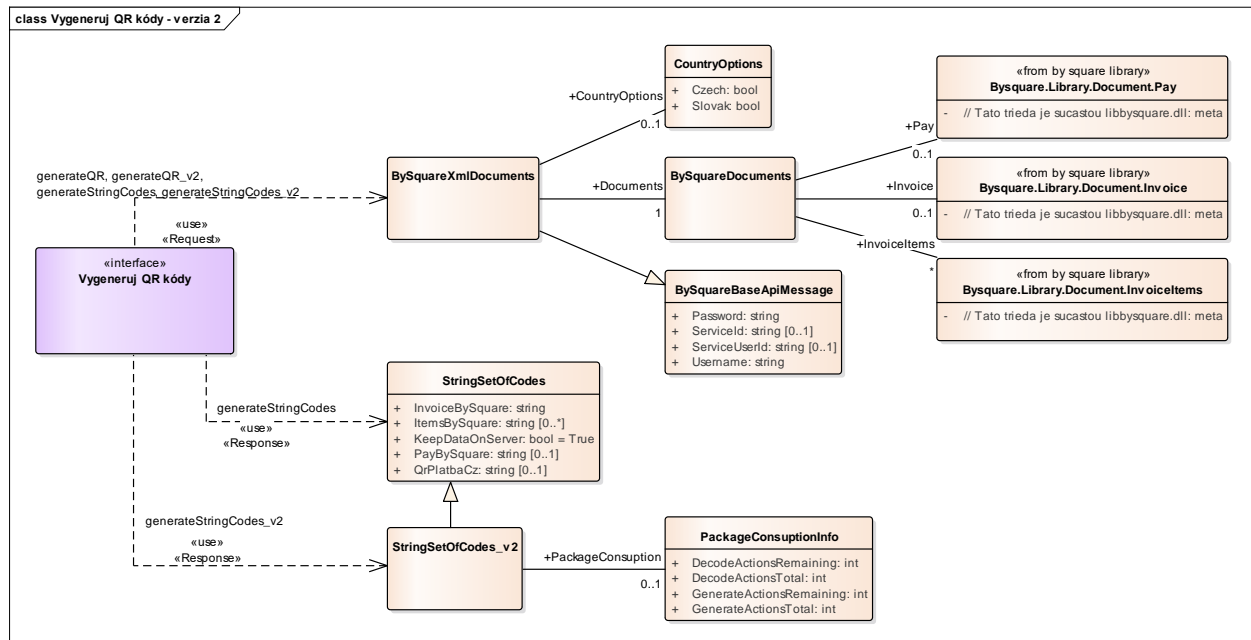
```
<ImageSetOfCodes xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <InvoiceBySquare>2001G0804E3...bytes of Invoice png image as Base64</InvoiceBySquare>
```

```
<PayBySquare>2001G0804E3.... bytes of Pay png image as Base64 </PayBySquare>
<QrPlatbaCz>2001G0804E3.... bytes of Pay png image as Base64 </QrPlatbaCz>
<ItemsBySquare>
  <base64Binary>
    2001G0804E3.... bytes of Item png image as Base64
  </base64Binary>
</ItemsBySquare>
</ImageSetOfCodes>
```

## VÝSTUP – verzia 2

```
<ImageSetOfQRCodes_v2 xmlns:xsd=http://www.w3.org/2001/XMLSchema
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <InvoiceBySquare>2001G0804E3....bytes of Invoice png image as Base64</InvoiceBySquare>
  <PayBySquare>2001G0804E3.... bytes of Pay png image as Base64</PayBySquare>
  <QrPlatbaCz>2001G0804E3.... bytes of Pay png image as Base64</QrPlatbaCz>
  <ItemsBySquare>
    <base64Binary>
      2001G0804E3.... bytes of Item png image as Base64
    </base64Binary>
  </ItemsBySquare>
  <PackageConsumption>
    <GenerateActionsTotal>100</GenerateActionsTotal>
    <GenerateActionsRemaining>100</GenerateActionsRemaining>
    <DecodeActionsTotal>20</DecodeActionsTotal>
    <DecodeActionsRemaining>9</DecodeActionsRemaining>
  </PackageConsumption>
</ImageSetOfQRCodes_v2>
```

## 1.6 VYGENERUJ QR KÓDY - VARIANT 2



Táto služba API rozhrania poskytuje možnosť vygenerovať na základe vstupných údajov o faktúre reťazce, ktoré sú používané ako obsah by square QR kódov.

## 1.6.1 IMPLEMENTÁCIA API

TYP	POST
CONTENT TYPE	application/xml
ADRESA	Verzia 1: <a href="https://app.bysquare.com/api/generateStringCodes">https://app.bysquare.com/api/generateStringCodes</a> Verzia 2: <a href="https://app.bysquare.com/api/generateStringCodes_v2">https://app.bysquare.com/api/generateStringCodes_v2</a>
VSTUP	<pre>&lt;BySquareXmlDocuments xmlns:xsd="http://www.w3.org/2001/XMLSchema"   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;Username&gt;test@test.test&lt;/Username&gt;   &lt;Password&gt;test@test.test&lt;/Password&gt;   &lt;CountryOptions&gt;     &lt;Slovak&gt;true&lt;/Slovak&gt;     &lt;Czech&gt;false&lt;/Czech&gt;   &lt;/CountryOptions&gt;   &lt;Documents&gt;     &lt;Invoice xsi:type="Invoice" xmlns="http://www.bysquare.com/bysquare"&gt;       &lt;InvoiceID&gt;2013019&lt;/InvoiceID&gt;       &lt;IssueDate&gt;2013-05-13T00:00:00&lt;/IssueDate&gt;       &lt;TaxPointDate&gt;2013-05-13T00:00:00&lt;/TaxPointDate&gt;       &lt;LocalCurrencyCode&gt;EUR&lt;/LocalCurrencyCode&gt;       &lt;CurrRate xsi:nil="true" /&gt;       &lt;ReferenceCurrRate xsi:nil="true" /&gt;       &lt;SupplierParty&gt;         &lt;PartyName&gt;iLancer s.r.o.&lt;/PartyName&gt;         &lt;CompanyTaxID&gt;2023187133&lt;/CompanyTaxID&gt;         &lt;CompanyVATID&gt;SK2023187133&lt;/CompanyVATID&gt;         &lt;CompanyRegisterID&gt;45960119&lt;/CompanyRegisterID&gt;         &lt;PostalAddress&gt;           &lt;StreetName&gt;Špitálska&lt;/StreetName&gt;           &lt;BuildingNumber&gt;10&lt;/BuildingNumber&gt;           &lt;CityName&gt;Bratislava&lt;/CityName&gt;           &lt;PostalZone&gt;81108&lt;/PostalZone&gt;           &lt;Country&gt;SVK&lt;/Country&gt;         &lt;/PostalAddress&gt;         &lt;Contact&gt;           &lt;Name&gt;Ing. Martin Vician&lt;/Name&gt;           &lt;EMail&gt;martin.vician@ilancer.eu&lt;/EMail&gt;         &lt;/Contact&gt;       &lt;/SupplierParty&gt;       &lt;CustomerParty&gt;         &lt;PartyName&gt;Forsys a.s.&lt;/PartyName&gt;         &lt;CompanyTaxID&gt;2022683003&lt;/CompanyTaxID&gt;         &lt;CompanyVATID&gt;SK2022683003&lt;/CompanyVATID&gt;         &lt;CompanyRegisterID&gt;44232730&lt;/CompanyRegisterID&gt;       &lt;/CustomerParty&gt;       &lt;NumberOfInvoiceLines xsi:nil="true" /&gt;       &lt;SingleInvoiceLine&gt;         &lt;ItemName&gt;Vedenie účtovníctva za 2Q 2013&lt;/ItemName&gt;         &lt;PeriodFromDate xsi:nil="true" /&gt;         &lt;PeriodToDate xsi:nil="true" /&gt;         &lt;InvoicedQuantity&gt;3&lt;/InvoicedQuantity&gt;         &lt;UnitPriceTaxExclusiveAmount&gt;200&lt;/UnitPriceTaxExclusiveAmount&gt;         &lt;UnitPriceTaxInclusiveAmount&gt;240&lt;/UnitPriceTaxInclusiveAmount&gt;         &lt;UnitPriceTaxAmount&gt;40&lt;/UnitPriceTaxAmount&gt;       &lt;/SingleInvoiceLine&gt;       &lt;TaxCategorySummaries&gt;         &lt;TaxCategorySummary&gt;</pre>

```
<ClassifiedTaxCategory>0.2</ClassifiedTaxCategory>
<TaxExclusiveAmount>600</TaxExclusiveAmount>
<TaxInclusiveAmount>720</TaxInclusiveAmount>
<TaxAmount>120</TaxAmount>
<AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
<AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
<AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
<DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
<DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
<DifferenceTaxAmount>120</DifferenceTaxAmount>
</TaxCategorySummary>
</TaxCategorySummaries>
<MonetarySummary>
  <TaxExclusiveAmount>600</TaxExclusiveAmount>
  <TaxInclusiveAmount>720</TaxInclusiveAmount>
  <TaxAmount>120</TaxAmount>
  <AlreadyClaimedTaxExclusiveAmount>0</AlreadyClaimedTaxExclusiveAmount>
  <AlreadyClaimedTaxInclusiveAmount>0</AlreadyClaimedTaxInclusiveAmount>
  <AlreadyClaimedTaxAmount>0</AlreadyClaimedTaxAmount>
  <DifferenceTaxExclusiveAmount>600</DifferenceTaxExclusiveAmount>
  <DifferenceTaxInclusiveAmount>720</DifferenceTaxInclusiveAmount>
  <DifferenceTaxAmount>120</DifferenceTaxAmount>
  <PayableRoundingAmount>0</PayableRoundingAmount>
  <PaidDepositsAmount>0</PaidDepositsAmount>
  <PayableAmount>720</PayableAmount>
</MonetarySummary>
</Invoice>
<Pay xsi:type="Pay" xmlns="http://www.bysquare.com/bysquare">
  <Payments>
    <Payment>
      <PaymentOptions>paymentorder</PaymentOptions>
      <Amount xsi:nil="true" />
      <CurrencyCode>EUR</CurrencyCode>
      <PaymentDueDate xsi:nil="true" />
      <BankAccounts>
        <BankAccount>
          <IBAN>AA0012345678901234567890</IBAN>
          <BIC>AAAABB11</BIC>
        </BankAccount>
      </BankAccounts>
      <VariableSymbol>123457890</VariableSymbol>
      <ConstantSymbol>1234</ConstantSymbol>
      <SpecificSymbol>123457890</SpecificSymbol>
    </Payment>
  </Payments>
</Pay>
<InvoiceItems xsi:type="InvoiceItems" xmlns="http://www.bysquare.com/bysquare">
  <InvoiceID>1</InvoiceID>
  <FirstInvoiceLineID>1</FirstInvoiceLineID>
  <InvoiceLines>
    <InvoiceLine>
      <ItemName>Name</ItemName>
      <PeriodFromDate>2016-03-02T00:00:00</PeriodFromDate>
      <PeriodToDate>2016-03-04T00:00:00</PeriodToDate>
      <InvoicedQuantity>1</InvoicedQuantity>
      <UnitPriceTaxExclusiveAmount>1</UnitPriceTaxExclusiveAmount>
      <UnitPriceTaxInclusiveAmount>2</UnitPriceTaxInclusiveAmount>
      <UnitPriceTaxAmount>1</UnitPriceTaxAmount>
      <LineTaxExclusiveAmount>1</LineTaxExclusiveAmount>
      <LineTaxInclusiveAmount>2</LineTaxInclusiveAmount>
    </InvoiceLine>
  </InvoiceLines>
</InvoiceItems>
```

```

        <LineTaxAmount>1</LineTaxAmount>
        <ClassifiedTaxCategory>0.5</ClassifiedTaxCategory>
    </InvoiceLine>
</InvoiceLines>
</InvoiceItems>
<InvoiceItems xsi:type="InvoiceItems" xmlns="http://www.bysquare.com/bysquare">
    <InvoiceID>2</InvoiceID>
    <FirstInvoiceLineID>2</FirstInvoiceLineID>
    <InvoiceLines>
        <InvoiceLine>
            <ItemName>Name2</ItemName>
            <PeriodFromDate>2016-03-02T00:00:00</PeriodFromDate>
            <PeriodToDate>2016-03-04T00:00:00</PeriodToDate>
            <InvoicedQuantity>1</InvoicedQuantity>
            <UnitPriceTaxExclusiveAmount>2</UnitPriceTaxExclusiveAmount>
            <UnitPriceTaxInclusiveAmount>3</UnitPriceTaxInclusiveAmount>
            <UnitPriceTaxAmount>1</UnitPriceTaxAmount>
            <LineTaxExclusiveAmount>2</LineTaxExclusiveAmount>
            <LineTaxInclusiveAmount>3</LineTaxInclusiveAmount>
            <LineTaxAmount>1</LineTaxAmount>
            <ClassifiedTaxCategory>0.5</ClassifiedTaxCategory>
        </InvoiceLine>
    </InvoiceLines>
</InvoiceItems>
</Documents>
</BySquareXmlDocuments>

```

## VÝSTUP – verzia 1

```

<StringSetOfCodes xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <InvoiceBySquare>2001G0804E3....string code of Invoice</InvoiceBySquare>
    <PayBySquare>2001G0804E3.... string code of Pay</PayBySquare>
    <QrPlatbaCz>2001G0804E3.... string code of Pay</QrPlatbaCz>
    <ItemsBySquare>
        <string>
            2001G0804E3.... string code of Item
        </string>
    </ItemsBySquare>
</StringSetOfCodes>

```

## VÝSTUP – verzia 2

```

<StringSetOfCodes_v2 xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <InvoiceBySquare>2001G0804E3....string code of Invoice</InvoiceBySquare>
    <PayBySquare>2001G0804E3.... string code of Pay</PayBySquare>
    <QrPlatbaCz>2001G0804E3.... string code of Pay</QrPlatbaCz>
    <ItemsBySquare>
        <string>
            2001G0804E3.... string code of Item
        </string>
    </ItemsBySquare>
    <PackageConsumption>
        <GenerateActionsTotal>100</GenerateActionsTotal>
        <GenerateActionsRemaining>100</GenerateActionsRemaining>
        <DecodeActionsTotal>20</DecodeActionsTotal>
        <DecodeActionsRemaining>9</DecodeActionsRemaining>
    </PackageConsumption>
</StringSetOfCodes_v2>

```



## 1.7 KONTROLA PRIHLASOVACÍCH ÚDAJOV

Služba skontroluje zadané používateľské údaje ak sú údaje správne vráti detail o klientovi.

TYP	POST
CONTENT TYPE	text/xml
ADRESA	https://app.bysquare.com/api/CheckLoginData
VSTUP	
<pre>&lt;BySquareCredentials&gt;   &lt;Username&gt;test@test.test&lt;/Username&gt;   &lt;Password&gt;test@test.test&lt;/Password&gt; &lt;/BySquareCredentials&gt;</pre>	
VÝSTUP	
<pre>&lt;BySquareUserData xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/ 2001/XMLSchema-instance"&gt;   &lt;Username&gt;test@test.test&lt;/Username&gt;   &lt;IsLoginDataValid&gt;true&lt;/IsLoginDataValid&gt;   &lt;MenoKontaktnejOsoby&gt;kontakt&lt;/MenoKontaktnejOsoby&gt;   &lt;Telefon&gt;tel&lt;/Telefon&gt; &lt;/BySquareUserData&gt;</pre>	

## 2 CHYBOVÉ STAVY

Aplikácia má definovanú individuálnu dátovú štruktúru pre výstupné dáta, pre každú metódu. Chybové hlášky v tejto štruktúre nie sú pokryté, pretože na vrátenie chybového stavu sa používa iná jednotná dátová štruktúra.

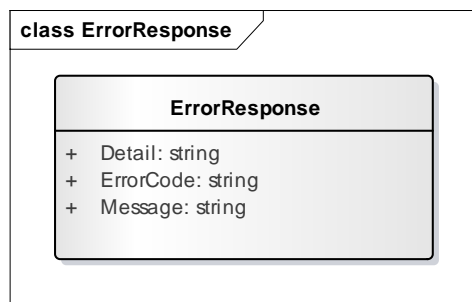
Konzument API rozhrania môže rozlíšiť úspešné volanie od chybového podľa návratového HTTP kódu. V prípade úspešného volania sa vráti kód 200.

V prípade chyby sa môže vrátiť niektorý z nasledujúcich kódov:

- 400 – V aplikácii nastala chyba, ktorej detail a popis je posielaný klientovi v odpovedi. Odpoveď je vrátená štruktúra ErrorResponse, ktorá je popísaná nižšie.
- 401 – Používateľské meno alebo heslo nebolo správne, alebo je používateľ zablokovaný.
- 500 – Nastala neznáma chyba, kontaktujte prevádzkovateľa systému.

### 2.1 ŠTRUKTÚRA CHYBOVÁ HLÁŠKA

V prípade chyby 400 vráti API štruktúru ErrorResponse podľa nasledujúceho diagramu.



Polia Message a Detail môžu nadobúdať ľubovoľnú textovú hlášku v anglickom jazyku, ktorá popisuje vzniknutú chybu.

Pole ErrorCode obsahuje kód chyby. Kód chyby jednoznačne identifikuje o akú chybu sa jedná a klient API sa môže podľa nej rozhodnúť ako zareagovať v prípade chyby.

Systém v súčasnosti môže vrátiť jednu z nasledujúcich hodnôt:

- E300 – Chybný vstup. V Message a Detail je informácia, ktoré pole polia na vstupe nie sú správne vyplnené.
- E601 – Balík prihláseného používateľa je vyčerpaný a nie je možné vykonať požadovanú akciu. Pre pokračovanie používania služieb bysquare je potrebné zakúpiť väčší balíček služieb.
- E999 – Bližšie nešpecifikovaná chyba.