

|                 |                                  |                                |
|-----------------|----------------------------------|--------------------------------|
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## Sommario

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## 1 Document Version

| Version | Date       | Description   |
|---------|------------|---|
| 3.0     | 20/01/2023 | <ul style="list-style-type: none"> <li>-Added to the documentation the Authentication method to obtain the token.</li> <li>-New route v2.</li> <li>-In ActiveInvoices, status code 409 has been added. Using route v2, the progressive sending will be saved and displayed in the tracking.</li> <li>-InvoiceNotifications also returns intermediary notifications.</li> </ul>  |
| 3.1     | 20/03/2023 | <ul style="list-style-type: none"> <li>-Improved Notes in InvoiceNotifications</li> <li>-Added examples of responses to the status of an electronic invoice</li> </ul>  |
| 4.0     | 11/05/2023 | <ul style="list-style-type: none"> <li>-New route v3.</li> <li>-In ActiveInvoices, the 409 has been removed, so it is now possible to upload an invoice with the same IdTrasmittente/IdCodice to which a new 3progressivoInvio will be returned. Added 403 response.</li> <li>-Added new-active-notifications method to get the list of new notifications.</li> <li>-Added active-invoices method to get the list of active invoices and third-party invoices.</li> <li>-Added jobs methods for booking and downloading notifications, active invoices and third-party invoices.</li> <li>-Added set-notifications-as-got method to mark notifications as already taken.</li> <li>-New methods: set-fase-1, clear-fase-1, set-fase-2 and clear-fase-2.</li> </ul> |



|      |            |  |
|------|------------|--|
| 4.1  | 18/05/2023 | -Used the camelCase convention for resource names.<br>-Minor corrections to the document.  |
| 4.2  | 26/05/2023 | -Fixed URL in the document for downloading active invoices and third-party invoices, from InvoiceNotifications/active/jobs/{jobId} to DownloadInvoices/active/jobs/{jobId} |
| 5.0  | 23/06/2023 | -New route v4.<br>-Used <route> in call description.<br>-No changes from v3.   |
| 6.0  | 22/11/2023 | -New route v5.<br>-No changes from v4.   |
| 7.0  | 03/01/2024 | -New route v6.<br>-In new-active-notifications and InvoiceNotifications/jobs/{jobId} added tipoMessaggio, esitoCommittente e sdild.  |
| 8.0  | 01/02/2024 | -New route v7.<br>-In new-active-notifications and InvoiceNotifications/jobs/{jobId} added dataOraRicezioneSdi.  |
| 9.0  | 12/03/2024 | -New route v8.<br>-New method ActiveInvoices/fattura-solo-conservazione.   |
| 10.0 | 04/06/2024 | -New route v9.<br>-In active-invoices added progressivoAnnualeCaricamento and countryChannel.<br>-Added invoice-national-system method to send invoice to national system. |
| 11.0 | 13/01/2025 | -New route v10.<br>-Improve performance method new-active-notifications.   |



## 2 Introduction

**! IMPORTANT:** Before using the Web Service calls, contact assistance for the environment configuration.

The Web Service Easy Tracking exposes an interface for sending electronic invoices to the SDI, downloading intermediary and SDI notifications, and downloading invoices sent to the SDI.

Exposed calls:

- Sending Electronic Invoice.
- Reading the status of an electronic invoice.
- List of the new notifications (intermediary and SDI).
- Booking (job) for downloading n notifications, where n ranges from 1 to 100.
- Download of notifications contained within a job.
- Booking (job) for downloading n active invoices and third-party invoices, where n ranges from 1 to 100.
- Download of invoices contained within a job.

“Third-party invoices” refers to invoices issued with the “SoggettoEmittente” field set to “CC”.

Authentication of the calls: Calls must be authenticated according to the OAuth standard through the request of a JWT token and its inclusion as a Bearer token in the header of all calls.

Definition of constants:

The <baseUrl> varies depending on the environments:

VarHub NG production (Empoli) = <https://servizi.varhub.it>

VarHub NG staging (Empoli) = <https://servizitest.varhub.it>

Ditech production (Bologna) = <https://servizi.intermediario.ditechonline.it>

Ditech staging (Bologna) = <https://servizi.intermediariotest.ditechonline.it>

The <authBaseUrl> varies depending on the environments:

VarHub NG production (Empoli) = <https://isentry.varhub.it>

VarHub NG staging (Empoli) = <https://isentrytest.varhub.it>

Ditech production (Bologna) = <https://isentry.intermediario.ditechonline.it>

Ditech staging (Bologna) = <https://isentry.intermediariotest.ditechonline.it>

<route> = v10

### 3 Authentication

|                     |   |
|---------------------|---|
| Web Service to call | <authBaseUrl>/api/Token/AccessToken   |
| Http Method         | POST  |
| Headers             | Content-Type: application/json<br>Accept: application/json  |
| Response Status     | Status Code: 200 - OK<br>Status Code: 401 - Unauthorized  |
| Payload Request     | {<br>"apiName": "openBusiness.scope.serviziweb.api",<br>"clientName": "openBusiness.client.serviziweb.api",<br>"clientSecret": "uKNtPmq49yjLkaYv",<br>"password": "<password>",<br>"username": "<username>"<br>}  |
| Payload Response    | In case of 200:<br>" <token> "  |
| Notes               | <username>: username assigned to the client.<br><password>: password assigned to the client.<br><token>: JWT token encoded in base64.<br>The response payload is a string that starts and ends with double quotation marks (") enclosing the actual token itself. |



## 4 Sending electronic invoice

|                     |  |
|---------------------|--|
| Web service to call | <baseUrl>/api/<route>/ActiveInvoices   |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/xml<br>Accept: application/json   |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden: vat number or fiscal code within the invoice for which the user does not have the permissions.   |
| Payload Request     | <electronic invoice in xml format>   |
| Payload Response    | In case of 200:<br>{<br>"progressivoInvio": <progressivoInvio><br>}<br>In case of 400:<br>{<br>"message": <errore><br>}  |
| Notes               | <electronic invoice in xml format> is the invoice in xml format, sent in the body of the POST request.<br><progressivoInvio> alphanumeric string that uniquely identifies the invoice. It will be used to request the status of the invoice.<br><errore> explanatory string of the error generated by the request. |



## 5 Sending electronic invoice conservation only

|                     |  |
|---------------------|--|
| Web service to call | <baseUrl>/api/<route>/ActiveInvoices/fattura-solo-conservazione  |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/xml<br>Accept: application/json   |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden: vat number or fiscal code within the invoice for which the user does not have the permissions.   |
| Payload Request     | <electronic invoice in xml format>   |
| Payload Response    | In case of 200:<br>{<br>"progressivoInvio": <progressivoInvio><br>}<br>In case of 400:<br>{<br>"message": <errore><br>}  |
| Notes               | <electronic invoice in xml format> is the invoice in xml format, sent in the body of the POST request.<br><progressivoInvio> alphanumeric string that uniquely identifies the invoice. It will be used to request the status of the invoice.<br><errore> explanatory string of the error generated by the request. |



## 6 Sending electronic invoice to national system

|                     |   |
|---------------------|---|
| Web service to call | <baseUrl>/api/<route>/ActiveInvoices/invoice-national-system  |
| Http Method         | POST  |
| Headers             | Authorization: Bearer <token><br>Content-Type: multipart/form-data<br>Accept: application/json  |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden: vat number or fiscal code within the invoice for which the user does not have the permissions.  |
| Payload Request     | country=<countryChannel><br>file=<file> Content-Type: application/octet-stream  |
| Payload Response    | In caso di 200:<br>{<br>"progressivoInvio": <progressivoInvio><br>}<br>In caso di 400:<br>{<br>"message": <errore><br>}   |
| Note                | <countryChannel>: (integer) document origin country (see Country channel description section).<br><file>: binary format<br><progressivoInvio> alphanumeric string that uniquely identifies the invoice. It will be used to request the status of the invoice.<br><errore> explanatory string of the error generated by the request. |



## 7 Reading the status of an electronic invoice

|                     |   |
|---------------------|---|
| Web service to call | <baseUrl>/api/<route>/InvoiceNotifications?progressivoInvio=<progressivoInvio>  |
| Http Method         | GET   |
| Headers             | Authorization: Bearer <token><br>Accept-Type: application/xml   |
| Response Status     | Status Code: 200 - OK<br>Status Code: 401 - Unauthorized<br>Status Code: 404 - Not Found: no available statuses for the requested progressive sending.  |
| Payload Response    | In case of 200:<br><Stati><br><electronic invoice status in xml format><br><electronic invoice status in xml format><br></Stati>  |
| Notes               | <progressivoInvio> alphanumeric string that uniquely identifies the invoice, returned by the invoice submission call.<br><electronic invoice status in xml format> is the status of the requested invoice in xml format which contains both SDI notifications and the intermediary notification of either OK or error.<br>The intermediary notifications (root element NotificaDitech) have the element TipoNotifica, which can the following values:<br>-OI indicates a successful upload<br>-SI indicates an error upload, the element Scarto describes the reason for the error.<br>The invoice statuses are sent in chronological order, meaning that the last one in the list is the most recent.<br>The returned notifications will be marked as taken and will not be included in the list of new notifications. |



## 8 List of new notifications

| Web Service to call | <baseUrl>/api/<route>/InvoiceNotifications/new-active-notifications?field1=value&fieldN=value  |  |       |        |           |                         |         |        |     |                 |
|---------------------|--|--|-------|--------|-----------|-------------------------|---------|--------|-----|-----------------|
| Http Method         | GET  |  |       |        |           |                         |         |        |     |                 |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json  |  |       |        |           |                         |         |        |     |                 |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 413 - Payload Too Large (greater than 100000 elements)  |  |       |        |           |                         |         |        |     |                 |
| Query string        | <table border="1"> <thead> <tr> <th>Field</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>ownerPIVA</td> <td>string (es. 0200777777)</td> </tr> <tr> <td>ownerCF</td> <td>string</td> </tr> <tr> <td>top</td> <td>int (&lt;= 100000)</td> </tr> </tbody> </table>   |  | Field | Format | ownerPIVA | string (es. 0200777777) | ownerCF | string | top | int (<= 100000) |
| Field               | Format   |  |       |        |           |                         |         |        |     |                 |
| ownerPIVA           | string (es. 0200777777)  |  |       |        |           |                         |         |        |     |                 |
| ownerCF             | string   |  |       |        |           |                         |         |        |     |                 |
| top                 | int (<= 100000)  |  |       |        |           |                         |         |        |     |                 |
| Payload Response    | In case of 200:<br><pre>{   "notifications": [     {       "notificationId": &lt;notificationId&gt;,       "progressivoInvio": &lt;progressivoInvio&gt;,       "docId": &lt;docId&gt;,       "fileName": "filenamenotifica.xml",       "tipoMessaggio": "&lt;tipoMessaggio&gt;",       "esitoCommittente": "&lt;esitoCommittente&gt;",     }   ] }</pre> |  |       |        |           |                         |         |        |     |                 |

|       |  |
|-------|--|
|       | <pre> “sdild”: “&lt;sdild&gt;”, “dataOraRicezioneSdi”: “&lt;dataOraRicezioneSdi&gt;” }, { “notificationId”: &lt;notificationId&gt;, “progressivoInvio”: &lt;progressivoInvio&gt;, “docId”: &lt;docId&gt;, “fileName”: “filenamenotifica.xml”, “tipoMessaggio”: “&lt;tipoMessaggio&gt;”, “esitoCommittente”: “&lt;esitoCommittente&gt;”, “sdild”: “&lt;sdild&gt;”, “dataOraRicezioneSdi”: “&lt;dataOraRicezioneSdi&gt;” } ], “total”: 2 }  In case of 400: { “message”: &lt;errore&gt; } </pre> |
| Notes | <p>&lt;notificationId&gt;: unique code (integer) notification identifier to be used in the download booking request.</p> <p>&lt;progressivoInvio&gt;: unique code for invoice uploading.</p> <p>&lt;docId&gt;: unique code (integer) identifier of the invoice associated with the notification.</p> <p>&lt;errore&gt;: explanatory string of the error generated by the request.</p> <p>&lt;tipoMessaggio&gt;: notification type (see Message type description section).</p>                  |

|  |  |
|--|--|
|  | <p>&lt;esitoCommittente&gt;: assigned only if tipoMessaggio = NE (see Esito committente description section).</p> <p>&lt;sdild&gt;: sdi Id read from notification.</p> <p>&lt;dataOraRicezioneSdi&gt;: date and time sdi of active invoice received, assigned only if tipoMessaggio = OI.</p> <p>In the Request:</p> <ul style="list-style-type: none"><li>- It is possible to provide a value for either VAT Number (PIVA) or fiscal code (CF), or neither of them, or both.</li><li>- If Top is not specified, it is assumed to be equal to 100000.</li><li>- ownerPIVA and ownerCF refer to the owner who issued the invoice. Therefore, CedentePrestatore for the active invoices and CessionarioCommittente for the third-party invoices.</li></ul> |
|--|--|



## 9 Booking notification downloads

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/InvoiceNotifications/jobs  |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json  |
| Response Status     | Status Code: 202 - Accepted<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden   |
| Payload Request     | List of document ids, max 100<br><pre>{   "notificationIds": [id1, id2, ..., id100] }</pre>  |
| Payload Response    | In case of 202:<br><pre>{   "jobId": &lt;jobId&gt; }</pre><br>In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               | <jobId>: 36-character string (GUID) that should be used in job status requests.<br>Once the job is created, it has a validity of 24 hours. After that, it will be deleted even if not downloaded.<br><errore>: explanatory string of the error generated by the request. |

## Response Status

HTTP 202 (Accepted): job in progress

HTTP 400 (Bad Request): invalid input data

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more notificationIds not found or for which the user does not have permissions

## 10 Downloading notifications

|                     |   |
|---------------------|---|
| Web Service to call | <baseUrl>/api/<route>/InvoiceNotifications/jobs/{jobId}   |
| Http Method         | GET   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json   |
| Response Status     | Status Code: 200 - OK<br>Status Code: 202 - Accepted<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     |   |
| Payload Response    | Zip File  |
| Notes               |   |

### Response Status

HTTP 202 (Accepted): job in progress

HTTP 400 (Bad Request): invalid data input (invalid GUID)

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): GUID not found or for which the user does not have permissions

HTTP 200 (OK): the response contains a zip file with the notification files and an indice.json file. the job will be reset after the response. To be able to download it again, a new job must be created. The response payload is a binary file with the content type application/octet-stream.

The indice.json file contains the list of notifications inside the zip file, indicating for each the notificationId, docId, progressivoInvio, fileName, tipoMessaggio, esitoCommittente, sdId and dataOraRicezioneSdi.





Example of the content of the indice.json file:

```
{
  "files": [
    {
      "notificationId": 123,
      "docId": 555,
      "progressivoInvio": 1357,
      "fileName": "filenamenotifica1.xml",
      "tipoMessaggio": "OI",
      "esitoCommittente": null,
      "sdild": null,
      "dataOraRicezioneSdi": "2024-01-25T16:13:16"
    },
    {
      "notificationId": 124,
      "docId": 555,
      "progressivoInvio": 1357,
      "fileName": "filenamenotifica2.xml",
      "tipoMessaggio": "RC",
      "esitoCommittente": null,
      "sdild": "1234567",
      "dataOraRicezioneSdi": null
    },
    {
      "notificationId": 125,
      "docId": 556,
      "progressivoInvio": 1358,
      "fileName": "filenamenotifica3.xml",
      "tipoMessaggio": "NE",
      "esitoCommittente": "EC01",
      "sdild": "9876543",
      "dataOraRicezioneSdi": null
    }
  ]
}
```

## 11 Mark notifications as taken

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/InvoiceNotifications/set-notifications-as-got  |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of notification ids, max 100<br><pre>{   "notificationIds": [id1, id2, ..., id100] }</pre>                            |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more notification ids not found or for which the user does not have permissions

## 12 List of active and third-party invoices

| Web Service to call         | <baseUrl>/api/<route>/DownloadInvoices/active-invoices?<br>field1=value&fieldN=value   |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
|-----------------------------|--|--|-------|--------|-----------------|------------|---------------|------------|-----------------------------|---------------------|---------------------------|---------------------|-----------|-------------------------|---------|--------|-------|-------------------|-------|-------------------|-----|-----------------|
| Http Method                 | GET  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| Headers                     | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| Response Status             | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 413 - Payload Too Large (greater than 100000 elements)  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| Query string                | <table border="1"> <thead> <tr> <th>Field</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>invoiceDateFrom</td> <td>yyyy-MM-dd</td> </tr> <tr> <td>invoiceDateTo</td> <td>yyyy-MM-dd</td> </tr> <tr> <td>invoiceReceivedDateTimeFrom</td> <td>yyyy-MM-dd HH:mm:ss</td> </tr> <tr> <td>invoiceReceivedDateTimeTo</td> <td>yyyy-MM-dd HH:mm:ss</td> </tr> <tr> <td>ownerPIVA</td> <td>string (es. 0200777777)</td> </tr> <tr> <td>ownerCF</td> <td>string</td> </tr> <tr> <td>fase1</td> <td>bool (true/false)</td> </tr> <tr> <td>fase2</td> <td>bool (true/false)</td> </tr> <tr> <td>top</td> <td>int (&lt;= 100000)</td> </tr> </tbody> </table> |  | Field | Format | invoiceDateFrom | yyyy-MM-dd | invoiceDateTo | yyyy-MM-dd | invoiceReceivedDateTimeFrom | yyyy-MM-dd HH:mm:ss | invoiceReceivedDateTimeTo | yyyy-MM-dd HH:mm:ss | ownerPIVA | string (es. 0200777777) | ownerCF | string | fase1 | bool (true/false) | fase2 | bool (true/false) | top | int (<= 100000) |
| Field                       | Format   |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| invoiceDateFrom             | yyyy-MM-dd   |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| invoiceDateTo               | yyyy-MM-dd   |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| invoiceReceivedDateTimeFrom | yyyy-MM-dd HH:mm:ss  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| invoiceReceivedDateTimeTo   | yyyy-MM-dd HH:mm:ss  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| ownerPIVA                   | string (es. 0200777777)  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| ownerCF                     | string   |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| fase1                       | bool (true/false)  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| fase2                       | bool (true/false)  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| top                         | int (<= 100000)  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |
| Payload Response            | In case of 200:<br><pre>{   "invoce": [     {</pre>  |  |       |        |                 |            |               |            |                             |                     |                           |                     |           |                         |         |        |       |                   |       |                   |     |                 |

|  |   |
|--|---|
|  | <pre>"progressivoInvio": &lt;progressivoInvio&gt;,<br/>"docId": &lt;docId&gt;,<br/>"senderPIVA": "0200777777",<br/>"senderCF": "",<br/>"receiverPIVA": "02005004003",<br/>"receiverCF": "",<br/>"data": "2012-04-23",<br/>"number": "77/C",<br/>"documentType": "TD01",<br/>"sdild": "1204005",<br/>"dataRicezione": "2012-05-01 09:09:02",<br/>"fileName": "filenamefattura.xml p7m"<br/>},<br/>{<br/>"progressivoInvio": &lt;progressivoInvio&gt;,<br/>"docId": &lt;docId&gt;,<br/>"senderPIVA": "0200777777",<br/>"senderCF": "",<br/>"receiverPIVA": "02005088888",<br/>"receiverCF": "",<br/>"data": "2012-04-23",<br/>"number": "78/C",<br/>"documentType": "TD01",<br/>"sdild": "1204006",<br/>"dataRicezione": "2012-04-23 19:09:02",<br/>"fileName": "filenamefattura.xml p7m"<br/>}<br/>],<br/>"total": 2<br/>}</pre> |
|--|---|

|              |  |
|--------------|--|
|              | <p>In case of 400:</p> <pre>{   "message": &lt;errore&gt; }</pre>  |
| <p>Notes</p> | <p>&lt;progressivoInvio&gt;: unique code for invoice uploading. It could be empty if the invoice was not uploaded via API.</p> <p>&lt;docId&gt;: unique code identifier for the invoice.</p> <p>&lt;errore&gt;: explanatory string of the error generated by the request.</p> <p>In the Request:</p> <ul style="list-style-type: none"> <li>- The date range cannot exceed 31 days. Only one type of date range can be specified, either document date or received date.</li> <li>- It is possible to provide a value for either VAT Number (PIVA) or fiscal code (CF), or neither of them, or both</li> <li>- if phase1 and/or phase2, the allowed date range extends to 365 days.</li> </ul> <p>If Top is not specified, it is assumed to be equal to 100000.</p> <ul style="list-style-type: none"> <li>- ownerPIVA and ownerCF refer to the owner who issued the invoice. Therefore, CedentePrestatore for the active invoices and CessionarioCommittente for the third-party invoices.</li> </ul> |



## 13 Booking the download of active invoices and third-party invoices with document id

|                     |   |
|---------------------|---|
| Web Service to call | <baseUrl>/api/<route>/DownloadInvoices/active/doc-id/jobs   |
| Http Method         | POST  |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json   |
| Response Status     | Status Code: 202 - Accepted<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden  |
| Payload Request     | List of document ids, max 100<br>{<br>"docIds": [id1, id2, ..., id100]<br>}   |
| Payload Response    | In case of 202:<br>{<br>"jobId": <jobId><br>}<br>In case of 400:<br>{<br>"message": <errore><br>}   |
| Notes               | <jobId>: 36-character string (GUID) that should be used in job status requests.<br><br>Once the job is created, it has a validity of 24 hours. After that, it will be deleted even if not downloaded. |



|  |   |
|--|---|
|  | <errore>: explanatory string of the error generated by the request. |
|--|---|

## Response Status

HTTP 202 (Accepted): job in progress

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more doc ids not found or for which the user does not have permissions



## 14 Booking the download active invoices and third-party invoices with progressive sending

|                     |  |
|---------------------|--|
| Web service to call | <baseUrl>/api/<route>/DownloadInvoices/active/progressivo-invio/jobs   |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                      |
| Response Status     | Status Code: 202 - Accepted<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List di document ids, max 100<br>{<br>"progressivoInvio": [id1, id2, ..., id100]<br>}  |
| Payload Response    | In case of 202:<br>{<br>"jobId": <jobId><br>}<br>In case of 400:<br>{<br>"message": <errore><br>}                                |
| Note                | <jobId>: 36-character string (GUID) that should be used in job status requests.  |





|  |  |
|--|--|
|  | <p>Once the job is created, it has a validity of 24 hours. After that, it will be deleted even if not downloaded.</p> <p>&lt;errore&gt;: explanatory string of the error generated by the request.</p> |
|--|--|

## Response Status

HTTP 202 (Accepted): job in progress

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more document ids not found or for which the user does not have permissions

## 15 Downloading active invoices and third-party invoices

|                     |   |
|---------------------|---|
| Web Service to call | <baseUrl>/api/<route>/DownloadInvoices/active/jobs/{jobId}  |
| Http Method         | GET   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json   |
| Response Status     | Status Code: 200 - OK<br>Status Code: 202 - Accepted<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     |   |
| Payload Response    | Zip File  |
| Notes               |   |

### Response Status

HTTP 202 (Accepted): job in progress

HTTP 400 (Bad Request): invalid data input (invalid GUID)

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): GUID not found or for which the user does not have permissions

HTTP 200 (OK): The response contains a zip file with the invoice files and an indice.json file. The job will be reset after the response. To be able to download it again, a new job must be created.

The response payload is a binary file with the content type application/octet-stream.

The indice.json file contains the list of invoices inside the zip file, indicating for each the docId, progressivoInvio and fileName.



Example of the content of the indice.json file:

```
{  
  "files": [  
    {  
      "docId": 555,  
      "progressivoInvio": 1357,  
      "fileName": " filenamefattura1.xml"  
    },  
    {  
      "docId": 556,  
      "progressivoInvio": 1358,  
      "fileName": " filenamefattura2.xml"  
    }  
  ]  
}
```

## 16Set phase 1 with document id

|                     |  |
|---------------------|--|
| Web service to call | <baseUrl>/api/<route>/ActiveInvoices/doc-id/set-fase-1   |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids, max 100<br><pre>{   "docIds": [id1, id2, ..., id100] }</pre>   |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more document ids not found or for which the user does not have permissions

## 17 Clear phase 1 with document id

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/ActiveInvoices/doc-id/clear-fase-1   |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids, max 100<br><pre>{   "docIds": [id1, id2, ..., id100] }</pre>   |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more document ids not found or for which the user does not have permissions

## 18Set phase 2 with document id

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/ActiveInvoices/doc-id/set-fase-2   |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids, max 100<br><pre>{   "docIds": [id1, id2, ..., id100] }</pre>   |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more document ids not found or for which the user does not have permissions

## 19 Clear phase 2 with document id

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/ActiveInvoices/doc-id/clear-fase-2   |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids, max 100<br><pre>{   "docIds": [id1, id2, ..., id100] }</pre>   |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more document ids not found or for which the user does not have permissions

## 20Set phase 1 with progressive sending

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/ActiveInvoices/progressivo-invio/set-fase-1  |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids, max 100<br><pre>{   "progressivoInvio": [id1, id2, ..., id100] }</pre>                               |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more progressivoInvio not found or for which the user does not have permissions



## 21 Clear phase 1 with progressive sending

|                     |  |
|---------------------|--|
| Web service to call | <baseUrl>/api/<route>/ActiveInvoices/progressivo-invio/clear-fase-1  |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids, max 100<br><pre>{   "progressivoInvio": [id1, id2, ..., id100] }</pre>                               |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more progressivoInvio not found or for which the user does not have permissions

## 22Set phase 2 with progressive sending

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/ActiveInvoices/progressivo-invio/set-fase-2  |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids, max 100<br><pre>{   "progressivoInvio": [id1, id2, ..., id100] }</pre>                               |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more progressivoInvio not found or for which the user does not have permissions

## 23 Clear phase 2 with progressive sending

|                     |  |
|---------------------|--|
| Web Service to call | <baseUrl>/api/<route>/ActiveInvoices/progressivo-invio/clear-fase-2  |
| Http Method         | POST   |
| Headers             | Authorization: Bearer <token><br>Content-Type: application/json<br>Accept: application/json                                |
| Response Status     | Status Code: 200 - OK<br>Status Code: 400 - Bad Request<br>Status Code: 401 - Unauthorized<br>Status Code: 403 - Forbidden |
| Payload Request     | List of document ids max 100<br><pre>{   "progressivoInvio": [id1, id2, ..., id100] }</pre>                                |
| Payload Response    | In case of 400:<br><pre>{   "message": &lt;errore&gt; }</pre>  |
| Notes               |  |

### Response Status

HTTP 200 (OK): operation executed

HTTP 400 (Bad Request): invalid data input

HTTP 401 (Unauthorized): invalid token

HTTP 403 (Forbidden): one or more progressivoInvio not found or for which the user does not have permissions

## 24 Examples of responses to the status of an electronic invoice

### 24.1 OI Notification with SDI rejection receipt

```
<Stati xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Stato>
    <NotificaDitech xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <IdPaese>IT</IdPaese>
      <IdCodice>01100220305</IdCodice>
      <IdPaeseCessionario>IT</IdPaeseCessionario>
      <IdCodiceCessionario>01100220307</IdCodiceCessionario>
      <TipoDocumento>TD01</TipoDocumento>
      <Data>2023-01-23</Data>
      <Numero>test-api-13</Numero>
      <IdPaeseTrasmittenteOrig>IT</IdPaeseTrasmittenteOrig>
      <IdCodiceTrasmittenteOrig>01100220305</IdCodiceTrasmittenteOrig>
      <ProgressivoInvioOrig>100013</ProgressivoInvioOrig>
      <NomeFileFatturaOrig>GetYourBill_01100220305_100013.xml</NomeFileFatturaOrig>
      <ProgressivoInvioSDI>2275508</ProgressivoInvioSDI>
      <TipoNotifica>OI</TipoNotifica>
      <IdentificativoSDI>27811526</IdentificativoSDI>
      <DataOraRicezioneNotifica>2023-03-20 09:02</DataOraRicezioneNotifica>
    </NotificaDitech>
  </Stato>
  <Stato>
    <ns3:RicevutaScarto xmlns:ns3="http://ivaservizi.agenziaentrate.gov.it/docs/xsd/fattura/messaggi/v1.0"
xmlns:ns2="http://www.w3.org/2000/09/xmldsig#" versione="1.0">
      <IdentificativoSdI>27811526</IdentificativoSdI>
      <NomeFile>IT02470300373_9Xxk.xml</NomeFile>
      <Hash>159cadd73490a026d9306325b2acd260da78630e80acbe7bad17dd1b1fc74459</Hash>
      <DataOraRicezione>2023-03-20T09:01:03.000+01:00</DataOraRicezione>
      <ListaErrori>
        <Errore>
```

```
<Codice>00301</Codice>
<Descrizione>1.2.1.1.2 &lt;IdCodice&gt; non valido : 01100220305</Descrizione>
<Suggerimento>Verificare che il campo IdFiscaleIVA/IdCodice del "CedentePrestatore" sia
valido</Suggerimento>
</Errore>
<Errore>
<Codice>00305</Codice>
<Descrizione>1.4.1.1.2 &lt;IdCodice&gt; non valido : 01100220307</Descrizione>
<Suggerimento>Verificare che il campo IdFiscaleIVA/IdCodice del "CessionarioCommittente" sia
valido</Suggerimento>
</Errore>
</ListaErrori>
<MessagId>67616843</MessagId>
<ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Id="Signature1">
// Rimosso per leggibilità
</ds:Signature>
</ns3:RicevutaScarto>
</Stato>
</Stati>
```

## 24.2 OI Notification with SDI Delivery receipt

```
<Stati xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Stato>
    <NotificaDitech xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <IdPaese>IT</IdPaese>
      <IdCodice>03828620488</IdCodice>
      <CodiceFiscale>03828620488</CodiceFiscale>
      <IdPaeseCessionario>IT</IdPaeseCessionario>
      <IdCodiceCessionario>03301640482</IdCodiceCessionario>
      <TipoDocumento>TD24</TipoDocumento>
      <Data>2023-03-01</Data>
      <Numero>test-api-14</Numero>
      <IdPaeseTrasmittenteOrig>IT</IdPaeseTrasmittenteOrig>
      <IdCodiceTrasmittenteOrig>01100220305</IdCodiceTrasmittenteOrig>
      <ProgressivoInvioOrig>100014</ProgressivoInvioOrig>
      <NomeFileFatturaOrig>GetYourBill_01100220305_100014.xml</NomeFileFatturaOrig>
      <ProgressivoInvioSDI>2275509</ProgressivoInvioSDI>
      <TipoNotifica>OI</TipoNotifica>
      <IdentificativoSDI>27811559</IdentificativoSDI>
      <DataOraRicezioneNotifica>2023-03-20 09:58</DataOraRicezioneNotifica>
    </NotificaDitech>
  </Stato>
  <Stato>
    <ns3:RicevutaConsegna xmlns:ns3="http://ivaservizi.agenziaentrate.gov.it/docs/xsd/fattura/messaggi/v1.0"
xmlns:ns2="http://www.w3.org/2000/09/xmldsig#" versione="1.0">
      <IdentificativoSdl>27811559</IdentificativoSdl>
      <NomeFile>IT02470300373_9Xxl.xml</NomeFile>
      <Hash>5952592c2258156158488c521dd13eaf039ac24edba403716604f36d9a79a6b7</Hash>
      <DataOraRicezione>2023-03-20T09:57:17.000+01:00</DataOraRicezione>
      <DataOraConsegna>2023-03-20T09:57:41.000+01:00</DataOraConsegna>
      <Destinatario>
        <Codice>DTI1I04</Codice>
      </Destinatario>
      <MessagId>67632260</MessagId>
```

```
<ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Id="Signature1">  
  // Rimosso per leggibilità  
</ds:Signature>  
</ns3:RicevutaConsegna>  
</Stato>  
</Stati>
```



## 24.3 SI Notification

```
<Stati xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Stato>
    <NotificaDitech xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <IdPaese>IT</IdPaese>
      <IdCodice>03828620488</IdCodice>
      <CodiceFiscale>03828620488</CodiceFiscale>
      <IdPaeseCessionario>IT</IdPaeseCessionario>
      <IdCodiceCessionario>03301640482</IdCodiceCessionario>
      <TipoDocumento>TD24</TipoDocumento>
      <Data>2023-03-01</Data>
      <Numero>test-api-14</Numero>
      <IdPaeseTrasmittenteOrig>IT</IdPaeseTrasmittenteOrig>
      <IdCodiceTrasmittenteOrig>01100220305</IdCodiceTrasmittenteOrig>
      <ProgressivoInvioOrig>100015</ProgressivoInvioOrig>
      <NomeFileFatturaOrig>GetYourBill_01100220305_100015.xml</NomeFileFatturaOrig>
      <TipoNotifica>SI</TipoNotifica>
      <DataOraRicezioneNotifica>2023-03-20 09:56</DataOraRicezioneNotifica>
      <Scarto>
        <ListaErrori>
          <Errore>
            <Descrizione> Fattura "test-api-14" esistente</Descrizione>
          </Errore>
        </ListaErrori>
      </Scarto>
    </NotificaDitech>
  </Stato>
</Stati>
```



## 25 Message type description

| Value | Issue by      | Description   |
|-------|---------------|---|
| OI    | Intermediario | Fattura accettata dall'intermediario e spedita a SDI (Ok Intermediario)           |
| SI    | Intermediario | Fattura scartata dall'intermediario e non spedita a SDI (Scarto Intermediario)    |
| RC    | SDI           | Ricevuta di consegna  |
| NS    | SDI           | Notifica di scarto  |
| MC    | SDI           | Notifica di mancata consegna / impossibilità di recapito                          |
| NE    | SDI           | Notifica esito  |
| DT    | SDI           | Notifica decorrenza termini   |
| AT    | SDI           | Attestazione di avvenuta trasmissione della fattura con impossibilità di recapito |



## 26 Esito committente description

| Value | Description  |
|-------|--------------|
| EC01  | Accettazione |
| EC02  | Rifiuto      |

## 27 Country channel description

| Value | Description |
|-------|-------------|
| 0     | Italy       |
| 1     | Rumania     |