

# Configuration

## Introduction

Every TaxCore.API instance provides services anyone can use to gather information about the current environment and all available environments from the current node.

These services should be used by all POS and E-SDC implementations to gather environment information and to simplify technical review, accreditation, deployment, and usage in various jurisdictions.

## Content

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This service returns the information about environment configuration.
2. [Tax Rates](#)  
This service returns the information about defined tax rates for the environment.
3. [Environments](#)  
This service returns a list of all available environments from the TaxCore.API.
4. [Encryption Certificate](#)  
This service returns the public key of the TaxCore.API, which can be used for encryption.

## Configuration

This service returns the information about environment configuration.

**NOTE:**

The same parameters can also be obtained from any SDC device (E-SDC or V-SDC), which is the preferred option for obtaining this information - see [POS to SDC Protocol](#).

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# Endpoint

Endpoint	Example
<code>&lt;TaxCore_API_URL_obtained_from_certificate_as_e: <a href="#">here</a>&gt;/api/v3/configuration</code>	<code>[[_TaxCore.PublicConfiguration.TaxCoreApi</code>

## NOTE:

Development and production environments, as well the environments in different countries, have different URLs. For this reason, URLs and names in your documentation, code, and UI should not be hardcoded but configurable or extracted from a digital certificate.

## HTTP Method

GET

## Authentication

No authentication

## Response

Field	Description
<b>organizationName</b>	Name of the tax authority organization
<b>serverTimeZone</b>	Time zone of the server location
<b>street</b>	Tax authority street address
<b>city</b>	Tax authority city
<b>country</b>	Tax authority country
<b>endpoints</b>	List of available endpoints
<b>environmentName</b>	Name of the environment

<b>logo</b>	Link to the tax authority's official logo
<b>ntpServer</b>	NTP server used for time synchronization
<b>supportedLanguages</b>	List of language-culture strings supported by TaxCore

## Example

```
{
  "organizationName": "Data Tech International",
  "serverTimeZone": "Fiji Standard Time",
  "street": "Kruzni put 7",
  "city": "Belgrade",
  "country": "RS",
  "endpoints": {
    "taxpayerAdminPortal": "https://tap.sandbox.taxcore.dti.rs:443/",
    "taxCoreApi": "https://api.sandbox.taxcore.dti.rs:443/",
    "vsdc": "https://vsdc.sandbox.taxcore.dti.rs:443/",
    "root": "https://frontendui.sandbox.taxcore.dti.rs:443/v/?v1="
  },
  "environmentName": "SANDBOX",
  "logo": "https://i.imgur.com:443/tg5ad60.png?hash=224913598",
  "ntpServer": "http://0.europe.pool.ntp.org:80/",
  "supportedLanguages": [
    "en-US",
    "sr-Cyrl-RS"
  ]
}
```

## Tax Rates

This service returns the information about defined tax rates for the environment.

### NOTE:

The same parameters can also be obtained from any SDC device (E-SDC or V-SDC), which is the preferred option for obtaining this information - see [POS to SDC Protocol](#).

## Endpoint

Endpoint	Example
<TaxCore_API_URL_obtained_from_certificate_as_e <a href="#">here</a> >/api/v3/tax-rates	[[_TaxCore.PublicConfiguration.TaxCoreApi rates

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## HTTP Method

GET

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## Authentication

No authentication

## Response

Field	Description
<b>currentTaxRates</b>	The currently active tax rate group.
<b>allTaxRates</b>	All tax rate groups ever used for the environment - can be used for reference when issuing refunds. Also includes all approved future tax rate groups, with the date of their activation.

## Example

```
{
  "currentTaxRates": [
    {
      "validFrom": "2020-08-03T12:56:56",
      "groupId": 2,
      "taxCategories": [
        {
          "name": "ECAL",
          "categoryType": 0,
          "taxRates": [
            {
              "rate": 5,
              "label": "D"
            },
            {
              "rate": 11,
              "label": "F"
            }
          ]
        }
      ],
      "orderId": 1
    }
  ]
}
```

```
    },
    {
      "name": "N-TAX",
      "categoryType": 0,
      "taxRates": [
        {
          "rate": 0,
          "label": "N"
        }
      ],
      "orderId": 2
    },
    {
      "name": "PBL",
      "categoryType": 2,
      "taxRates": [
        {
          "rate": 0.5,
          "label": "P"
        }
      ],
      "orderId": 3
    },
    {
      "name": "STT",
      "categoryType": 0,
      "taxRates": [
        {
          "rate": 6,
          "label": "E"
        }
      ],
      "orderId": 4
    },
    {
      "name": "VAT",
      "categoryType": 0,
      "taxRates": [
        {
          "rate": 9,
          "label": "A"
        },
        {
          "rate": 0,
          "label": "B"
        }
      ],
      "orderId": 5
    },
    {
      "name": "VAT-EXCL",
      "categoryType": 1,
      "taxRates": [
        {
          "rate": 0,
          "label": "C"
        }
      ],
      "orderId": 6
    }
  ]
}
],
"allTaxRates": [
  {
    "validFrom": "2020-08-02T21:04:00",
```

```
"groupId": 1,
"taxCategories": [
  {
    "name": "ECAL",
    "categoryType": 0,
    "taxRates": [
      {
        "rate": 5,
        "label": "D"
      },
      {
        "rate": 11,
        "label": "F"
      }
    ],
    "orderId": 1
  },
  {
    "name": "N-TAX",
    "categoryType": 0,
    "taxRates": [
      {
        "rate": 0,
        "label": "N"
      }
    ],
    "orderId": 2
  },
  {
    "name": "PBL",
    "categoryType": 2,
    "taxRates": [
      {
        "rate": 0.2,
        "label": "P"
      }
    ],
    "orderId": 3
  },
  {
    "name": "STT",
    "categoryType": 0,
    "taxRates": [
      {
        "rate": 6,
        "label": "E"
      }
    ],
    "orderId": 4
  },
  {
    "name": "VAT",
    "categoryType": 0,
    "taxRates": [
      {
        "rate": 9,
        "label": "A"
      },
      {
        "rate": 0,
        "label": "B"
      }
    ],
    "orderId": 5
  },
  {
```

```
    "name": "VAT-EXCL",
    "categoryType": 1,
    "taxRates": [
      {
        "rate": 0,
        "label": "C"
      }
    ],
    "orderId": 6
  }
]
},
{
  "validFrom": "2022-01-01T00:00:00Z",
  "groupId": 3,
  "taxCategories": [
    {
      "name": "ECAL",
      "categoryType": 0,
      "taxRates": [
        {
          "rate": 10,
          "label": "F"
        }
      ]
    },
    {
      "name": "PB",
      "categoryType": 2,
      "taxRates": [
        {
          "rate": 0.1,
          "label": "P"
        }
      ]
    },
    {
      "name": "STT",
      "categoryType": 0,
      "taxRates": [
        {
          "rate": 1,
          "label": "E"
        }
      ]
    },
    {
      "name": "VAT",
      "categoryType": 0,
      "taxRates": [
        {
          "rate": 9,
          "label": "A"
        }
      ]
    }
  ],
  "orderId": 1
}
]
}
```

# Environments

This service returns a list of all available environments from the TaxCore.API.

**NOTE:**

The same parameters can also be obtained from any SDC device (E-SDC or V-SDC), which is the preferred option for obtaining this information - see [POS to SDC Protocol](#).

## Endpoint

Endpoint	Example
<TaxCore_API_URL_obtained_from_certificate_as_e: <a href="#">here</a> >/api/v3/environments	[[_TaxCore.PublicConfiguration.TaxCoreApi

**NOTE:**

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## HTTP Method

GET

## Authentication

No authentication

## Response data

Field	Description
name	Name of the TaxCore environment

<b>url</b>	Root Url of the TaxCore environment. You can construct other well-known Urls using this value. For example, <code>api.sandbox.taxcore.online</code> and <code>vsvc.sandbox.taxcore.online</code> .
<b>description</b>	Description of the environment. For example, "for accreditation purposes only".
<b>environmentName</b>	For internal use only.

## Example (not specific for any environment)

```
[
  {
    "name": "Sandbox",
    "url": "sandbox.taxcore.online",
    "description": "",
    "environmentName": "SANDBOX"
  }
]
```

## Encryption Certificate

This service returns the public key of the TaxCore.API, which can be used for encryption.

### Endpoint

Endpoint	Example
<TaxCore_API_URL_obtained_from_certificate_as_e; <a href="#">here</a> >/api/v3/encryption-certificate	<code>[[_TaxCore.PublicConfiguration.TaxCoreApi certificate</code>

#### NOTE:

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### HTTP Method

GET

# Authentication

No authentication

## Response data

Response contains Base64 encoded raw data of TaxCore.API X509 public key certificate used for encryption.

## Example

```
"MIIF8TCCBNmgAwIBAgIOH2Jcu+Xv118AAAAAJN4wDQYJKoZIhvcNAQELBQAwPjELMAkGA1UEBhMCU1MxDDAKBgNVBAoTARUSTEhMB8GA1UEAxMYVGF4Q29yZSBjQ0ExIERldmVsb3BtZW50MB4XDTIwMDYxNzA4MjAxNVoXDTIwMDYxNzA4MzAxNVowczELMAkGA1UEBhMCU1MxMzANBgNVBAGTB1N1cmJpYTERMA8GA1UEBxMIQmVsZ3JhZGUxDDAKBgNVBAoTARUSTENMAsGA1UECxMEQ29yZTERMA8GA1UEBRMIZmYwN2RlMGYxEDA0BgNVBAMTB1RheENvcmluZGUiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCP6DtItC7kP3EwPwES6xjPD7Yn2S0mUzTy2vAsHmSeW4iHsZfSY24kzLEpUKqHJhukmg7tJwT+L4IJDaQzFdK+PxlgyAFiOGeAu+WS3Ka1dY02/bS+rFvzLbuh29Jhd5ESPqP39X7DSA9fSB8bms/SmaI0h5qt3NWL7leU9tiG/77srpVhzPP4/CI+oXYOQ5V7MvztGUXjsRJBcg8o2nHJa4nDzz4kuyY5Mb4k6NrOTPMcTs8HgR2HE1NTIp1KEA46R8Rv9QD4l5oBXmL+bEiKR68xXjoAxbBLJcEfVCTIkFU0ImuyHK1RRV3JCSbglfdRwCqIbkeCEYdeRE0HPMAbAgMBAAGjggK2MII CsjaOBgNVHQ8BAf8EBAMCBDAwDwYDVR0TAQH/BAUwAwIBADAXBgNVHSUEEDAObgwrBgEEAYOGIAEBAwYwggGJBgNVHSAEggGAMIIBfDCBuwYMKwYBBAGDhiABAQQBMIIGqMC4GCCsGAQUFBwIBFiJodHRwOi8vcGtpLnRlc3QudGF4Y29yZS5kdGkucnMvcGtpMHgGCCsGAQUFBwICMGweagBEAFQASQAgAFQAYQB4AEMAbwByAGUAIABpAG4AdABlAHIAbgBhAGwAVQbzAGUAIABwAesASQBUAGUAcwB0ACAAaQBzAHMA dQBhAG4AYwBlAFAAbwBsAGkAYwB5ACAAyWbsAGEAcwBzADEwgbsGDCsGAQQBg4YgAQEEATCBqjAuBggrBgEFBQcCARYiaHR0cDovL3BraS50ZXN0LnRheGNvcmluZHRpLnJzL3BraTB4BggrBgEFBQcCAjBsHmoARABUAekAIABUAGEAeABDAG8AcgBlACAAaQBwAHQAZQByAG4AYQBsAFUAcwBlACAAcABLAekAVABlAHMAAAAGAgkAcwBzAHUAYQBwAGMAZQBQAG8AbABpAGMAeQAgAGMAbABhAHMAcwAxMB0GA1UdDgQWBWBBQCMogZokiv0fsLYwd+h2HFU9SBejAfBgNVHSMEGDAWgBR96opdCPQ+lAPgNGyM3NFn5WwubjBOBgNVHR8ERzBFMEogQaA/hj1odHRwOi8vcGtpLnRlc3QudGF4Y29yZS5kdGkucnMvcGtpL1RheENvcmluZGUiExRGV2ZWxvcG11bnQuY3JsMFkGCsGAQUFBwEBBE0wSzBjBggrBgEFBQcwAoY9aHR0cDovL3BraS50ZXN0LnRheGNvcmluZHRpLnJzL3BraS9UYXhDb3JlSUNBMURldmVsb3BtZW50LmN1cmJpYTERMAkGA1UEBmkiG9w0BAQsFAAOCAQEAI9pj/BFcQ7ili/577kcCP2/0W8hi3Wr07UyESvSn+z75jdBG1r1v3tkSswqYhoQmZsDifuvi02cnSEt0QOyyBTUYS499xsIbGVZVzuEopnFzqsgyTarPtITho4DeLCnjtollxVh9PPzAT1fsz7xXHqfaex6x+HCkWFkUuFEbze59ib5MJoz5zE9WxYZwdXy7mOxgdjyjTanQGTGReqDWeT1bA219/UZxHGBprTALfU7uAxdnCexPxim24sDkO3/ZsVLqhRFPuTFqLEy8K9YY9L9aWxIWFuJFKshrHc3fQND9BzjT5Hj6T2CxqfEUUxgUkpFPkeOYEtmvE/rm03jSvA=="
```