

Configuration

Introduction

Every TaxCore.API instance provides services anyone can use to gather information about 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.

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This service returns information about environment configuration.
2. [Tax Rates](#)
This service returns 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 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](#).

Endpoint

Endpoint	Example
<TaxCore_API_URL_obtained_from_certificate_as_e: here >/api/v3/configuration	https://api.vms.frcs.org.fj/api/v3/conf

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
organizationName	Name of the tax authority organization
serverTimeZone	Time zone of the server location
street	Tax authority street address
city	Tax authority city
country	Tax authority country
endpoints	List of available endpoints
environmentName	Name of the environment
logo	Link to the tax authority's official logo
ntpServer	NTP server used for time synchronization
supportedLanguages	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=1499238358",
  "ntpServer": "http://0.europe.pool.ntp.org:80/",
  "supportedLanguages": [
    "en-US",
    "sr-Cyrl-RS"
  ]
}
```

Tax Rates

This service returns 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: here >/api/v3/tax-rates	https://api.vms.frcs.org.fj/api/v3/tax-rates

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HTTP Method

GET

Authentication

No authentication

Response

Field	Description
currentTaxRates	The currently active tax rate group.
allTaxRates	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"
            }
          ]
        },
        {
          "name": "N-TAX",
          "categoryType": 0,
          "taxRates": [
            {
              "rate": 0,
              "label": "N"
            }
          ]
        }
      ],
      "orderId": 1
    },
    {
      "name": "PBL",
      "categoryType": 2,
      "taxRates": [
```



```
    },
    {
      "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"
    }
  ],
  "orderId": 5
},
{
  "name": "PB",
  "categoryType": 2,
  "taxRates": [
    {
      "rate": 0.1,
      "label": "P"
    }
  ],
  "orderId": 6
},
{
  "name": "STT",
  "categoryType": 0,
  "taxRates": [
    {
      "rate": 1,
      "label": "E"
    }
  ],
  "orderId": 2
},
{
  "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; here >/api/v3/environments	https://api.vms.frcs.org.fj/api/v3/envi

NOTE:
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HTTP Method

GET

Authentication

No authentication

Response data

Field	Description
name	Name of the TaxCore environment
url	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>
description	Description of the environment. For example, "for accreditation purposes only"
environmentName	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: here >/api/v3/encryption-certificate	https://api.vms.fracs.org.fj/api/v3/encr certificate

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+Xv118AAAAAJN4wDQYJKoZIhvcNAQELBQAwP
jELMAkGA1UEBhMCU1MxDDAKBgNVBAoTA0RUSTEhMB8GA1UEAxMYVGF4Q29yZSB
JQ0ExIERlcmVsb3BtZW50MB4XDTEwMDYxNzA4MjAxNVoXDTEwMDYxNzA4MzAxN
VowczELMAkGA1UEBhMCU1MxDzANBgNVBAgTB1NlcmJpYTERMA8GA1UEBxMIQmV
sZ3JhZGUxDDAKBgNVBAoTA0RUSTENMA8GA1UECxMEQ29yZTERMA8GA1UEBRMIZ
mYwN2RlMGYxEDA0BgNVBAMTB1RheENvcmluZG90GCSqGSIb3DQEBAQUAA4I
BDwAwggEKAoIBAQCp6DtC7kP3EwPwES6xjPD7Yn2S0mUzTy2vAsHmSeW4iHs
ZfSY24kz1EpUKqHJhukmg7tJwT+L4IJDzQzFdk+PxlGyAFiOGeAu+WS3Ka1dY0
2/bS+rFvzLbuh29Jhd5ESPqP39X7DSA9fSB8bms/SmaI0h5qT3NWL7leU9tiG/
77srpVhzPP4/CI+oXYOQ5V7MvztGUXjsRJBcg8o2nHJa4nDzz4kuyY5Mb4k6Nr
OTFMcTs8HgR2HE1NTIp1KEA46R8Rv9QD4l5oBXmL+bEiKR68xXjoAxbBLJcEfV
```

CTIkFU0ImuyHK1RRV3JCSbg1fdRWcqIbkeCEYdeRE0HPMAbAgMBAAGjggK2MII
CsjaOBgNVHQ8BAf8EBAMCBDAwDwYDVR0TAQH/BAUwAwIBADAXBgNVHSUEEDAOb
gwrBgEEAYOGIAEBAwYwggGJBgNVHSAEggGAMIIBfDCBuwYMKwYBBAGDhiABAQQ
BMIgqMC4GCCsGAQUFBwIBFiJodHRwOi8vcGtpLnRlc3QudGF4Y29yZS5kdGkuc
nMvcGtpMHgGCCsGAQUFBwICMGweagBEAFQASQAgAFQAYQB4AEMAbwByAGUAIAB
pAG4AdABlAHIAbgBhAGwAVQbzAGUAIABwAEsASQBUAGUAcwB0ACAAaQBzAHMAAd
QBhAG4AYwBlAFAAbwBsAGkAYwB5ACAAyWbsAGEAcwBzADEwgbsGDCsGAQQBg4Y
gAQEEATCBqjAuBggrBgEFBQcCARYiaHR0cDovL3BraS50ZXN0LnRheGNvcmUuZ
HRpLnJzL3BraTB4BggrBgEFBQcCAjBsHmoARABUAekAIABUAGEAeABDAG8AcgB
lACAAaQBuAHQAZQByAG4AYQBsAFUAcwBlACAACABLAekAVABlAHMAAdAAgAGkAc
wBzAHUAYQBuAGMAZQBQAG8AbABpAGMAeQAgAGMAbABhAHMAcwAxMB0GA1UdDgQ
WBBQCMogZokiv0fsLYwd+h2HFU9SBejAfBgNVHSMEGDAWgBR96opdCPQ+lAPgN
GyM3NFn5WwubjBOBgNVHR8ERzBFMEogQaA/hj1odHRwOi8vcGtpLnRlc3QudGF
4Y29yZS5kdGkucnMvcGtpL1RheENvcmVJQ0ExRGV2ZWxvcG1lbnQuY3JsMFkGC
CsGAQUFBwEBBE0wSzBJBggrBgEFBQcwAoY9aHR0cDovL3BraS50ZXN0LnRheGN
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kiG9w0BAQsFAAOCAQEAI9pj/BFcQ7i1i/577kcCP2/0W8hi3Wr07UyESvSn+z7
5jdEG1r1v3tkSswqYhoQmZsDifuvi02cnSEt0QOyyBTUYS499xsIbGVZVzuEop
nFzqsgytarPtITho4DeLCnjtollxVh9PPzAT1fsz7xXHqfaex6x+HCkWFkUuFE
bze59ib5MJoz5zE9WxYZwdXy7mOxgdjyjTanQTGReqDWeT1bA219/UZxHGBpr
TALfU7uAxdnCexPxim24sDkO3/ZsVLqhRFPuTFq1EY8K9YY9L9aWxIWFuJFKsh
rHc3fQND9BzjT5Hj6T2CxqfEUUxgUkpFPkeOYEtmvE/rm03jSvA=="