





**Specification:**

**Standard Webservice API**

**Linx Microvix**

In this document we introduce the information related to the system development with scope definition, due dates and costs.

The Linx System had accumulated experience in many systems development projects to enhance the companies' performances.

These experiences are concentrated in our development methodologies and on our professionals, ensuring the project success for our clients.

We hope that the contents shown on this document meet the expectations in a clear and objective way. And we are at your disposal for any clarifications that may be necessary.

Regards,

LINX Team

# 1. Introduction

The standard Linx Microvix Webservice API, share the following information's from Microvix, sales records, products, stores, Customers, inventory, invoices from each store.

The output layout is unique and standard and do not receive customizations, only improvements, where all the clients that uses the Webservice benefits from them.

## 2. Especifications

### 2.1 WebService Scope

The methods are standard on the Linx Microvix Webservice API, where it will be possible to search for data based on the Linx Microvix ERO from any store at the franchise's environment (and may even be within an economic group or franchise network). The method's requests are Always made using the CNPJ (store document) for the return of the information.

It is important that as the information is extracted from the methods, they are recorder on a client local base, so that the Linx Microvix Webservice is not used to extract restorative information, only new information.

This ensure the API performance and does not affect the store movements where the information is being extracted.

The methods that will return the information are:

- **Methods:** It will contain the updated information from the Linx Microvix Webservice methods names and parameters.
- **Grupo Lojas:** It will contain all the CNPJ from the group or Franchise environment.
- **Lojas:** It will contain the information from each store that uses Linx Microvix on the environment that the key has access.
- **Clientes/fornecedores:** It will contain all the Customers and supplier information registered at the store.
- **Cliente/fornecedores Field Adicionais:** It will contain all the additional Fields related to the Customers and supplier.
- **Clientes/fornecedores Classes:** It will contain all the additional Fields related to the Customers and supplier.
- **Clientes/fornecedores Contatos:** It will contain all the contacts information Fields related to the Customers and supplier.

- **Clientes/fornecedores Credito Avulso:** It will contain all the information related to Customer's single credit.
- **Movimento:** It will contain all the information regarding sales invoice and sales tickets.
- **Movimento Cartões:** It will contain information about the credit card Payment used on sales according to the searched store.
- **Movimento extensão:** It will contain information about operations at Microvix system regarding a Brazilian campaign to raise Money called FCP (Fundo de Combate à pobreza).
- **Movimento Trocas:** It will contain information about the amount used on sales regarding products exchange.
- **Motivo Devoluções:** It will contain the motive for the product Exchange operation.
- **Movimento Trocafone:** It will contain the value information for the "Trocafone" used on the sales.
- **Movimento Seriais:** It will contain the information about the serial number used on the sales.
- **Planos:** It will contain information regarding the Payment methods register on Microvix to be used on inventory and sales operations.
- **Planos Bandeiras:** It will contain information regarding the card flag used on the payment methods.
- **Movimento Planos:** It will contain information regarding the Payment methods used on the sales and inventory operations.
- **Movimento Devolução itens:** It will contain information regarding exchanged items.
- **Sangrias or Suprimentos:** It will contain information regarding cash withdrawal and cash supply.
- **Movimento Origem Devoluções:** It will contain information regarding documents related to the product exchanged.
- **Movimento Ações Promocionais:** It will contain information regarding sales actions used on the sale.
- **Lista da Vez:** It will contain the recorded information regarding on the "Lista da Vez" routine at Microvix (used to determine seller's turn to approach Customers).
- **Vendedores:** It will contain information about the store sellers.
- **Metas de Vendedores:** It will contain information regarding seller's goal.
- **Ações Promocionais:** It will contain the sales actions campaign registered at Microvix ERP.
- **Produtos:** It will contain products information.
- **Produtos Detalhes:** It will contain information about the products details such as inventory, prices, costs, taxes.
- **Produtos Inventário:** It will contain information regarding products inventory on the searched date.
- **Depósitos:** It will contain information about the store deposits.

- **Produtos Field Adicionais:** It will contain information regarding the product's additional Fields.
- **Produtos Cod Bar:** It will contain information about the product's code bar.
- **Tabelas Preço:** It will contain the information regarding the store's price lists at Microvix.
- **Produtos por Tabela de Preço:** It will contain the link between product and price list.
- **Configurações Tributárias:** It will contain the information about the tax configurations.
- **Configurações Tributárias Detalhes:** It will contain the details for each tax configuration registered at Microvix.
- **Faturas:** It will contain information regarding invoices to receive and invoices to pay;
- **Lançamentos contábeis:** It will contain the information of the accounting entries by accounts and stores.
- **Pedidos de Compra:** It will contain the purchase order information;
- **Pedidos de venda:** It will contain the sales order information;
- **Reduções Z:** It will contain the information of the "Z reductions", recorded on the fiscal printers.
- **Serviços:** It will contain the basic information regarding the services registered at Microvix.
- **Serviços Detalhes:** It will contain the detailed information regarding the services registered at Microvix.
- **Devolução Remanejamento Fábrica:** Routine of relocation of goods through the web service. To use this Routine, it is necessary to parameterize according to demands MODAJOI-1767 and MODAJOI-1768.
- **Devolução Remanejamento Fábrica Itens:** Routine of relocation of goods Through the web service. To use this Routine, it is necessary to parameterize according to demands MODAJOI-1767 and MODAJOI-1768.
- **Devolução Remanejamento Fábrica Type:** Routine of relocation of goods Through the web service. To use this Routine, it is necessary to parameterize according to demands MODAJOI-1767 and MODAJOI-1768.
- **Devolução Remanejamento Fábrica Status:** Routine of relocation of goods Through the web service. To use this Routine, it is necessary to parameterize according to demands MODAJOI-1767 and MODAJOI-1768.
- **Produtos Detalhes Simplificado:** It will contain information about the products details such as inventory, prices, costs, taxes on a Yesplified view.
- **Configurações Tributárias Detalhes Simplificado:** It will contain the details for each tax configuration registered at Microvix on a Yesplified view.
- **Natureza Operação:** It will contain information regarding the nature of operations.
- **Classe Fiscal:** It will contain information regarding tax class registered at Microvix.
- **CST/ICMS Fiscal:** It will contain information regarding CST (Tax Over goods Transaction situation code) e ICMS (Tax over goods Transaction s).

- **CSOSN Fiscal:** It will contain information regarding CSON (Code for the Yesple taxation system operations).
- **CFOP Fiscal:** It will contain information regarding CFOP (Fiscal Code for the income and outcome Transaction of goods).

### 3. Access Credentials

To access the Linx Microvix Webservice API it is necessary to have access credentials listed below:

**URLs:**

For Production environment use the URL:

<https://webapi.microvix.com.br/1.0/api/integracao>

For tests environment use the URL: <http://aceitacao.microvix.com.br:8728/1.0/api/integracao>

**User:** linx\_export

**Password:** linx\_export

**Access Key:** XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX

**Group:** *Group Name*

**ATTENTION:** Verify item 10 about approval period.

### 4. Guidelines

#### 4.1 - TIMESTAMPS:

Not all Routines update the recorded "update date" of the recorded data, so the safest and fastest way to extract new or altered data is to use the timestamp field.

Following is the correct way to consume the data from our Webservice:

"First your search all the store records with the timestamp equal to "0" (zero), your save the returned data on your local database, then inform the last timestamp from the previous query and make a new query. This new query will return only the results that have the timestamp bigger than the timestamp user on the query, only returning the altered or added data."

For an Example:

- product\_1 created: timestamp 81465615**20**
- product\_2 created: timestamp 81465615**21**
- product\_2 updated: timestamp 81465615**22**
- product\_1 updated: timestamp 81465615**23**
- product\_3 created: timestamp 81465615**24**

With the example bellow, if we look on the LinxProdutos method with the timestamp 8146561522, we will have as a response only the product 1 e product 3.

To detect when a registry was modified or added, save the bigger timestamp on the result, this way when a new event occurs the response it will be empty.

The databases represent date in many different ways:

- The **TIMESTAMP** from MySQL stores a timestamp unix with 32 bits with signals and therefore is susceptible to the year 2038 bug. The **DATETIME** from MySQL solves the problem of the **TIMESTAMP** format, being able to store from 01/01/1000 until 31/12/9999. None of these formats store fractions of a second, so to store them you'll have to put them in some numeric column for that purpose.
- On the MariaDB (fork from MySQL), the **TIMESTAMP** and **DATETIME** types works Yesilarly to MySQL (including the year 2038 bug for the **TIMESTAMP**). However, differently from the MySQL, the MariaDB acZip Codets fractions of a second with a maximum precision of microseconds.
- On Oracle, the **TIMESTAMP** is capable to store data from 4712 BC to 9999 with a precision that can be defined from 1 second to 1 nanosecond, including or not the time zone.
- On PostgreSQL, The **TIMESTAMP** (or **TIMESTAMP WITHORT TIME ZONE**), with 8 bytes, is capable to store date from 4713 BC to 294276, with microsecond precision. It is also possible to reduce the precision to increase the accurate interval. Also have the **TIMESTAMPTZ** (or **TIMESTAMP WITH TIME ZONE**) that stores the time zone.
- On Firebird, the **TIMESTAMP** uses 4 bytes to store the date and 4 to store the time, totalizing 8 bytes. The date could vary from 01/01/0001 to 31/12/9999 and the time have the precision of ten thousandths of a second.
- On SQL Server, the **TIMESTAMP** is a deprecated equivalence for the type **ROWVERSION**, which actually consists of a field that is automatically changed whenever a record is changed and stores a guaranteed unique value, having no relation to dates. On SQL Server, the **DATETIME** use 8 bytes to store date from 01/01/1753 to 31/12/9999, with precision of 3 milliseconds. Also have **SMALLDATETIME** that use 4 bytes to store date from 01/01/1900 to 06/06/2079 with precision of



1 minute, the DATETIME2, can store any date and time with a four-digit year accurate to ten millionths of a second and the DATETIMEOFFSET that also store time zone.

Source: [https://www.ramosdainformatica.com.br/banco\\_de\\_dados/como-fazer-o-calculo-dotimestamp-e-iso/](https://www.ramosdainformatica.com.br/banco_de_dados/como-fazer-o-calculo-dotimestamp-e-iso/)

Summarizing:

Timestamps with UNIX format represents the number of seconds from 01/01/1970 until now. **The Linx Microvix timestamps are not UNIX, they are from SQL Server of the type TIMESTAMP, therefore they are incremental, which correspond to a counter related to the life of the database SQL Server. They do not represent time.**

Each timestamp is unique on the database. Each operation adds a unit to it, however on Linx Microvix webservice the timestamp it is by method.

Not all methods search only one table in the database, so each method's timestamp is the bigger timestamp of the tables related to that method.

For an Example: The method LinxPedidosVenda does a junction with the Store , clientes\_fornecedores and orcamento tables.

- 1 - Your register a customer through the "x" method and obtain as a return for that method the timestamp 81376259**72**
- 2 - Your register a sales order through the method "y" and obtain as a return the timestamp 81376259**73**
- 3 - Your update the Customer's address on the Microvix ERP CRM and obtain as a return the 81376259**74**
- 4 - Your search for the sales order sent using the timestamp 81376259**74**, but the request returns empty because it will return only the results bigger than the timestamp informed, where the Customer and the sales order does not exist. The correct is to send a request using the timestamp 81376259**72**.

#### **4.2 – ACCESS TO THE STORE ERP:**

When the integrator starts to develop the integration between Linx Microvix and the third-party system, it is essential that the integrator has access to the ERP, which is released by the person responsible for the company. Therefore, Linx is not responsible for sending any information present in the customer's ERP.

#### **4.3 – BIT**

The field with description/type "BIT", in some methods can return 0 and 1 or False and True, because "BIT" is a Boolean (In computer science, boolean, or logical, is a type of primitive data that has two values, that can be considers as 0 or 1, false or true).

## 5. Layout and field description

Method **LinxMetodos** (Returns the information with method's name and query parameters):

Field	Type	Description
Retorno	VARCHAR (MAX)	Method name – description (parameters)

Method query parameters for **LinxMetodos**

*(Is it not necessary any parameter to call the method LinxMetodos)*

Method **LinxGrupoLojas** (Returns all the CNPJ (Brazilian Registry for Entities) and Store Name for the group or franchise):

Field	Type	Description
CNPJ	VARCHAR (14)	Store CNPJ
Name_Store	VARCHAR (50)	Store name
id_Store s_rede	INT	Store Id on Microvix
Rede	VARCHAR (100)	Fanchise name on Microvix
Portal	INT	Portal Id on Microvix
Name_portal	VARCHAR (50)	Portal name on Microvix
Store	INT	Store Id on portal
classificacao_portal	VARCHAR (50)	Portal classification

Method query parameters for **LinxGrupoLojas**:

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
Grupo	No	VARCHAR (100)	Name of the group registered in the activation of the Webservice. (Name to be provided by Linx upon activation)
id_Store s_rede	No	INT	Franchise Id on Microvix
Portal	No	INT	Portal Id on Microvix

Method **LinxLojas** (Returns store information):

Field	Type	Description
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Portal	INT	Portal ID on Microvix
Loja	INT	Store code on Microvix
Name_emp	VARCHAR (50)	Store Name
razao_emp	VARCHAR (200)	Corporate name
cnpj_emp	VARCHAR (14)	Store CNPJ
inscricao_emp	VARCHAR (20)	State Registration
endereco_emp	VARCHAR (250)	Address
num_emp	INT	Address Number
complement_emp	VARCHAR (60)	Complement
district_emp	VARCHAR (50)	District
Zip Code_emp	CHAR (9)	Zip code
City_emp	VARCHAR (50)	City
estado_emp	CHAR (2)	State
fone_emp	VARCHAR (70)	Phone Number
email_emp	VARCHAR (50)	E-mail
cod_ibge_municipio	INT	Municipal Geography and Statistics code
data_criacao_emp	SMALLDATETIME	Store's creation date on Microvix
data_criacao_portal	SMALLDATETIME	Portal creation date on Microvix
sistema_tributacao	CHAR (1)	Tax system
regime_tributario	TINYINT	Tax Regime
area_loja	FLOAT	Company area in square meters
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
sigla_loja	VARCHAR (10)	Company acronym
id_classe_fiscal	SMALLINT	Fiscal Class ID for the store
centro_distribuicao	BIT	Distribution Center
inscricao_municipal_emp	VARCHAR (10)	Municipal Register store 's ID
cnae_emp	VARCHAR (7)	Store CNAE number
cod_cliente_linx	VARCHAR (6)	Linx ERP code (clifor)

Method query parameters for **LinxLojas**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
timestamp	No	BIGINT	Last Timestamp

Method **LinxClientesFornec** (Returns Customer and Supplier registered):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_cliente	INT	Customer Code on Microvix
razao_cliente	VARCHAR (60)	Corporate Name
Name_cliente	VARCHAR (60)	Name
doc_cliente	VARCHAR (14)	CPF/CNPJ
Type_cliente	CHAR (1)	Individual or Entity
endereco_cliente	VARCHAR (250)	Address
numero_ua_cliente	VARCHAR (20)	Address Number
complement_end_cli	VARCHAR (60)	Complement
district_cliente	VARCHAR (60)	District
Zip Code_cliente	CHAR (9)	Zip Code
City_cliente	VARCHAR (40)	City
State_cliente	VARCHAR (20)	State
pais	VARCHAR (80)	Country
fone_cliente	VARCHAR (20)	Phone number
email_cliente	VARCHAR (50)	E-mail
sexo	CHAR (1)	Sex
data_cadastro	SMALLDATETIME	Registry Date
data_nascimento	SMALLDATETIME	Birth date
cel_cliente	VARCHAR (20)	Cellphone number
ativo	CHAR (1)	Id the Customer is active (S) or not (N)
dt_update	SMALLDATETIME	Update date
inscricao_estadual	VARCHAR (20)	State Register
incricao_municipal	VARCHAR (20)	Municipal Register
identidade_cliente	VARCHAR (20)	Customer document
cartao_fidelidade	VARCHAR (20)	Microvix Loyalty Card Number. If your use the loyalty module.
cod_ibge_municipio	INT	IBGE Municipal Code
classe_cliente	VARCHAR (83)	Class code and name. It will be returned only one class.
matricula_conveniado	VARCHAR (20)	Member Code
Type_cadastro	CHAR (1)	Register Type: "C" = Customer "F" = Supplier "A" = Both (Customer and Supplier) "T" = Shipping company

loja_cadastro	INT	Registration Company
id_estado_civil	SMALLINT	Marital status ID: 1 = Not informed 2 = Married 3 = Single 4 = Divorced 5 = Widow 6 = Other
fax_cliente	VARCHAR (50)	Customer Fax number
site_cliente	VARCHAR (50)	Customer website
timestamp	BIGINT	Table Timestamp. Ex: "185318313"
cliente_anonimo	BIT	Anonymous customer 0 = False 1 = True
limite_compras	FLOAT	Informs the purchase limit value registered in the Credit Limit field in the customer and supplier register
codigo_ws	VARCHAR (100)	This field exports the code sent in the WS integration
limite_credito_compra	FLOAT	Informs the purchase limit value registered in the Credit Limit field (Cash/Credit Card) in the customer and supplier register

Method query parameters for **LinxClientesFornec**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
timestamp	No	BIGINT	Last Timestamp
data_inicial	Yes	DATE	Initial Registration Date. It can only be "NULL" when informed client_cod.
data_fim	Yes	DATE	End Date of Registration. It can only be "NULL" when informed client_cod.
cod_cliente	No	INT	Customer/supplier code in Microvix. If entering the code, all dates must be "NULL"
dt_update_inicial	No	DATE	Initial Date for register update
dt_update_fim	No	DATE	Final Date for register update
doc_cliente	No	VARCHAR (14)	Customer CPF or Supplier CNPJ
matricula_conveniado	No	VARCHAR (20)	Member Code
Type_cadastro	No	CHAR (1)	Registration type. It can be more than one separated by a comma. Ex: "C,A,T"

Method **LinxCientesFornecFieldAdicionais** (Returns the additional field for Customers and suppliers):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_cliente	INT	Customer/supplier code in Microvix
campo	VARCHAR (50)	Additional field name
valor	VARCHAR (100)	Additional Field Value

Method query parameters for **LinxCientesFornecFieldAdicionais**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
data_inicial	Yes	DATE	Initial Registration Date.
data_fim	Yes	DATE	Final Registration Date.
cod_cliente	No	INT	Customer or Supplier Code on Microvix.

Method **LinxCientesFornecClasses** (Returns all the Customers and Suppliers classes registered on Microvix):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_cliente	INT	Customer/supplier code in Microvix
cod_classe	SMALLINT	Class Code for the Customer/supplier
Name_classe	VARCHAR (50)	Class Name for the Customer/supplier
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCientesFornecClasses**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
cod_classe	No	SMALLINT	Class Code for the Customer/supplier
cod_cliente	No	INT	Customer/supplier code in Microvix

Method **LinxCientesFornecContatos** (Returns all the contacts information Fields related to the Customers and supplier):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_cliente	INT	Customer/supplier code in Microvix
Name_contato	VARCHAR (50)	Contact name
sexo_contato	CHAR (1)	Sex: 'F' = Feminine 'M' = Masculine
contatos_clientes_parentesco	TINYINT	Contact's parentagem ID
fone1_contato	VARCHAR (20)	Phone number
fone2_contato	VARCHAR (20)	Secondary Phone number
celular_contato	VARCHAR (20)	Cellphone number
email_contato	VARCHAR (50)	E-Mail
data_nasc_contato	SMALLDATETIME	Birthdate
Type_contato	VARCHAR (20)	Type

Method query parameters for **LinxCientesFornecContatos**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
data_inicial	Yes	DATE	Initial Registration Date de clientes.
data_fim	Yes	DATE	Final Registration Date de clientes.
cod_cliente	No	INT	Customer/supplier code in Microvix. Se informar o código, todas as datas devem ser "NULL"
doc_cliente	No	VARCHAR (14)	Customer CPF or Supplier CNPJ.

Method **LinxCientesFornecCreditoAvulso** (Returns all the information related to Customer's single credit.):

Field	Type	Description
portal	INT	Portal ID on Microvix
loja	INT	Store Code
cod_cliente	INT	Customer/supplier code in Microvix
controle	INT	Vorcher controle number
data	DATE	Vorcher date
cd	CHAR (1)	C = Credit e D = Debit
valor	MONEY	Vorcher balance
motivo	VARCHAR (MAX)	Motive to generate the vorcher

timestamp	BIGINT	Table's Timestamp Ex: "185318313".
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
cnpj_emp	VARCHAR (14)	Store CNPJ

Method query parameters for **LinxCientesFornecCreditoAvulso**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
cod_cliente	No	INT	Customer/supplier code in Microvix.
data_inicial	No	DATE	Initial Registration Date
data_fim	No	DATE	Final Registration Date

Method **LinxFidelidade** (Returns all the data from the table fidelidade\_parceiros\_log):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
id_fidelidade_parceiro_log	INT	Loyalty ID
data_transacao	SMALLDATETIME	Transaction Date
operacao	TINYINT	Operation Type: 2 = Sale 3 = Search Point 4 = Withort json 5 = Transaction Cancelation 6 = Functionality Not implemented
aprovado_barramento	VARCHAR (4)	Code error type: 0 = Regular sale 1 = Occurred when executed the Transaction -1 = Functionality Not implemented 404 = Emission error 10 = client not registered as not expected error NULL = No return Transaction
valor_monetario	MONEY	Transaction monetary amount
numero_cartao	VARCHAR (100)	Loyalty card number
identificador_movimento	UNIQUEIDENTIFIER	Transaction ID
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxFidelidade**:

Field	Obligatory	Type	Observation
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chave	YES	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	YES	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	YES	BIGINT	Last Timestamp
data_inicial	No	DATE	Initial Date for the Transaction .
data_fim	No	DATE	Final Date for the Transaction .
numero_cartao	No	VARCHAR (100)	Loyalty card number

Method **LinxMovimento** (Returns all the information regarding sales invoice and sales tickets):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
transacao	INT	Microvix Transaction code
usuario	INT	User Code for the Transaction .
documento	INT	Tax document number
chave_nf	VARCHAR (44)	Tax document key
ecf	INT	ECF number
numero_serie_ecf	VARCHAR (30)	ECF serial number
modelo_nf	INT	Tax document fiscal code
data_documento	SMALLDATETIME	Registration date
data_lancamento	SMALLDATETIME	Tax document posting date
codigo_cliente	INT	Customer code on Microvix
serie	VARCHAR (10)	Document Serie

desc_cfop	VARCHAR (300)	CFOP description
id_cfop	VARCHAR (5)	CFOP Code
cod_vendedor	INT	Microvix seller code
quantidade	FLOAT	Product amount
preco_custo	MONEY	Product Cost
valor_liquido	MONEY	Product liquid cost
desconto	MONEY	Sale discount
cst_icms	VARCHAR (4)	CST ICMS

cst_pis	VARCHAR (4)	CST PIS
cst_cofins	VARCHAR (4)	CST COFINS
cst_ipi	VARCHAR (4)	CST IPI
valor_icms	MONEY	ICMS amount
aliquota_icms	MONEY	ICMS aliquot
base_icms	MONEY	ICMS base
valor_pis	MONEY	PIS amount
aliquota_pis	MONEY	PIS aliquot
base_pis	MONEY	PIS base
valor_cofins	MONEY	Cofins amount
aliquota_cofins	MONEY	Cofins aliquot
base_cofins	MONEY	Cofins base
valor_icms_st	MONEY	ICMS ST amount
aliquota_icms_st	MONEY	ICMS ST aliquot
base_icms_st	MONEY	ICMS ST base
valor_ipi	MONEY	IPI amount
aliquota_ipi	MONEY	IPI
base_ipi	MONEY	IPI base
valor_total	MONEY	Item total amount
forma_dinheiro	BIT	Paid in cash (0 or 1)
total_dinheiro	MONEY	Cash amount
forma_cheque	BIT	Check (0 or 1)
total_cheque	MONEY	Check amount
forma_cartao	BIT	Credit Card (0 or 1)
total_cartao	MONEY	Credit Card Amount
forma_crediario	BIT	Installment plan (0 or 1)
total_crediario	MONEY	Installment plan amount
forma_convenio	BIT	Insurance (0 or 1)
total_convenio	MONEY	Insurance amount
frete	MONEY	Shipping amount

operacao	CHAR (2)	Transaction : E = Entrance Transaction S = Exit Transaction DE = Entry return DS = Exit return N = Neutral
Type_transacao	CHAR (1)	Transaction details:  J = Inventory Adjustment P = Order Billing S or Vazio = Normal E = Entry D = Transfer between Deposits T = Transfer between stores R = inventory Reservation V = Sale C = Substitute ticket for CF I = ICMS complement
cod_produto	BIGINT	Product Code on Microvix
cod_barra	VARCHAR (20)	Product Codebar
cancelado	CHAR (1)	S or N (indicate if the document was canceled or not S = yes and N = no)
excluido	CHAR (1)	S or N (indicate if the document was excluded or not S = yes and N = no)
soma_relatorio	CHAR (1)	S or N (indicate if the document sums on reports or not S = yes and N = no)
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
deposito	VARCHAR (100)	Deposit name
obs	VARCHAR (MAX)	Document observation
preco_unitario	MONEY	Unitary product amount
hora_lancamento	CHAR (5)	Transaction time (00:00)
natureza_operacao	VARCHAR (60)	Displays the description of the Nature of Operation.
tabela_preco	INT	Price Table Code
Name_tabela_preco	VARCHAR (50)	Description Price Table
cod_sefaz_situacao	TINYINT	Situation code on SEFAZ
desc_sefaz_situacao	VARCHAR (30)	Situation description on SEFAZ
protocolo_aut_nfe	VARCHAR (15)	Autentication protocol for outputs.
dt_update	SMALLDATETIME	Last update of the data in the Database. Ex: cancelamentos = canceled
forma_cheque_prazo	BIT	Check Payment type
total_cheque_prazo	MONEY	Check Payment amount

cod_natureza_operacao	CHAR (10)	Nature of Operation code
preco_tabela_epoca	MONEY	Product price on the standard price list
desconto_total_item	MONEY	Discount amount
conferido	CHAR (1)	Indicates whether the transfer note was checked S = yes or N = no
transacao_pedido_venda	INT	Indicates the Transaction number for the sales order
codigo_modelo_nf	VARCHAR (5)	Invoice code
acrescimo	MONEY	increase in sale
mob_checkort	BIT	Mobile Sale
aliquota_iss	MONEY	ISS aliquot
base_iss	MONEY	ISS base
ordem	SMALLINT	ERP field order
codigo_rotina_origem	TINYINT	source routine code
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
troco	MONEY	Change in payment method. Example: 0.0000
transportador	INT	Carrier code registered in Microvix
icms_aliquota_desonerado	MONEY	ICMS exemption rate
icms_valor_desonerado_item	MONEY	ICMS exemption rate on item
loja	INT	Store ID on portal

Method query parameters for **LinuxMovimento**:

Field	Obligatory	Type	Observation
chave	YES	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	YES	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	YES	BIGINT	Last Timestamp
data_inicial	Yes	DATE	Initial Date for the Transaction .
data_fim	Yes	DATE	Final Date for the Transaction .
hora_inicial	No	CHAR (5)	Initial hour for request. Time (00:00)
hora_fim	No	CHAR (5)	Final hour for request. Time (00:00)
operacao	No	CHAR (2)	Transaction
Type_transacao	No	CHAR (1)	Transaction detail
dt_update_inicial	No	SMALLDATETIME	Update Initial date for the Transaction

dt_update_fim	No	SMALLDATETIME	Update final date for the Transaction
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
cod_cliente	No	INT	Customer Code.
cod_produto	No	BIGINT	Product Code.
documento	No	INT	Tax document number.
loja	No	INT	Store ID on portal

Method **LinxMovimentoCartoes** (Returns all information about the credit card Payment used on sales according to the searched store.):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
codlojasitef	VARCHAR (10)	Store Code Sitef
data_lancamento	SMALLDATETIME	Document date
identificador	UNIQUEIDENTIFIER	Transaction ID
cupomfiscal	VARCHAR (20)	CF number
credito_debito	CHAR (1)	"C" = Credit "D" = Débit
id_cartao_bandeira	INT	Crédit card flag ID
descricao_bandeira	VARCHAR (100)	Credit Card description
valor	MONEY	Credit Card Amount
ordem_cartao	TINYINT	Credit Card order number When used more than one car for payment
nsu_host	VARCHAR (20)	NSU Host
nsu_sitef	VARCHAR (20)	NSU Sitef
cod_autorizacao	VARCHAR (20)	Transaction authorization code
id_antecipacoes_financeiras	INT	Id of the upfront payment
transacao_servico_terceiro	BIT	Indicates whether the sale Transaction is a third-party service
texto_comprovante	VARCHAR (MAX)	Observation text (if any)
id_maquineta_pos	INT	Credit Card ID on tef
descricao_maquineta	VARCHAR (50)	Tef machine description
serie_maquineta	VARCHAR (50)	Tef machine series
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoCartoes**:

Field	Obligatory	Type	Observation
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chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
data_inicial	No	DATE	Initial Date for the Transaction .
data_fim	No	DATE	Final Date for the Transaction .
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
id_antecipacoes_financeiras	No	INT	Id upfront payment
apenas_com_faturas	No	BIT	1 or No informed – returns only records that have invoices. 0 – returns all records.

Method **LinxMovimentoExtensao** (Retrurns all contain information about operations at Microvix system regarding a Brazilian campaign to raise Money called FCP (Fundo de Combate à pobreza).):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
transacao	INT	Microvix Transaction code
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
base_fcp_st	MONEY	FCP ST base
valor_fcp_st	MONEY	FCP ST amount
aliqu_fcp_st	MONEY	FCP ST Alíquot
base_icms_fcp_st	MONEY	ICMS FCP ST base
valor_icms_fcp_st	MONEY	ICMS FCP ST amount
base_icms_fcp_st_retido	MONEY	ICMS FCP ST base
valor_icms_fcp_st_retido	MONEY	ICMS ST FCP amount
base_icms_fcp_st_Anticipated	MONEY	ICMS FCP ST base
valor_icms_fcp_st_Anticipated	MONEY	ICMS ST FCP amount
aliquota_icms_fcp_st_Anticipated	MONEY	FCP ST Alíquot
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
valor_iss	FLOAT	ISS amount
Type_tributacao_iss	SMALLINT	0 = Isento (free) 1 = Não Tributado (not taxed) 2 = Substituição Tributária (Tax Replacement) 3 = Tributado (taxed) 4 = Retido (Withheld)

icms_fcp_aliquota	MONEY	ICMS FCP aliquot
icms_fcp_base_item	MONEY	ICMS FCP base
icms_fcp_valor_item	MONEY	ICMS FCP amount

Method query parameters for **LinxMovimentoExtensao**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
data_inicial	No	DATE	Initial Date for the Transaction .
data_fim	No	DATE	Final Date for the Transaction .
identificador	No	UNIQUEIDENTIFIER	Transaction ID.

Method **LinxMovimentoTrocas** (Returns all the information about the amount used on sales regarding products exchange.):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
num_vale	BIGINT	Voucher number
valor_vale	MONEY	Voucher amount
motivo	VARCHAR (50)	Voucher motive description
doc_origem	INT	Related origin document number
serie_origem	CHAR (10)	Related origin document serie
doc_venda	INT	Related sale document number
serie_venda	CHAR (10)	Related sale document serie
excluido	BIT	If voucher is excluded
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
desfazimento	BIT	1 = voucher has null identification 0 = when the exchange has null identifier, negative balance and doc_venda
loja	INT	Store ID on portal

**Obs:** The data that have the fields doc\_venda = 0 and serie\_venda = 0 are the return Transaction s, which only generate the voucher. The data that have the identifier fields filled in, doc\_venda and serie\_venda <> 0 are the Sales Transaction s that used the value of the voucher as payment.

Method query parameters for **LinxMovimentoTrocas**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	No	BIGINT	Last Timestamp
data_inicial	No	DATE	Initial date.
data_fim	No	DATE	Final date.
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
doc_origem	No	INT	Origin Document number related to the return.
serie_origem	No	VARCHAR (10)	Origin serie number related to the return.
exibir_excluidos	No	BIT	When informed 1, it will return all returns Transactions (valid and excluded), when informed 0 or Not informed, it will return only the valid ones as it is today.
loja	No	INT	Store ID on portal

Method **LinxMotivoDevolucao** (Returns all the motive for the product Exchange operation):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_motivo	INT	Motive code
descricao_motivo	VARCHAR (50)	Motive description
cod_deposito	INT	Deposit code
ativo	BIT	1 = Sim (active) 0 = Não (not active)
timestamp	BIGINT	Table's Timestamp Ex: "185318313".

Method query parameters for **LinxMotivoDevolucao**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxMovimentoTrocafone** (Returns all the value information for the "Trocafone" used on the sales):

Field	Type	Description
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portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
num_vale	BIGINT	Voucher number on Microvix
valor_vale	MONEY	Voucher amount
vorcher	VARCHAR (100)	Trocafone Voucher code
Name_produto	VARCHAR (250)	Product name exchanged on Trocafone (trade in)
condicao	VARCHAR (250)	Product condition

Method query parameters for **LinxMovimentoTrocafone**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_inicial	No	DATE	Initial date.
data_fim	No	DATE	Final date.
identificador	No	UNIQUEIDENTIFIER	Transaction ID.

Method **LinxMovimentoOrigemDevolucoes** (Returns all the information regarding documents related to the product exchanged):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
nota_origem	INT	Invoice number
ecf_origem	INT	ECF number
data_origem	SMALLDATETIME	Invoice date
serie_origem	VARCHAR (10)	Invoice serie
loja	INT	Store ID on portal

Method query parameters for **LinxMovimentoOrigemDevolucoes**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ

data_inicial	No	DATE	Initial date.
data_fim	No	DATE	Final date.
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
hora_inicial	No	CHAR (5)	Initial hour for request. Time (00:00)
hora_fim	No	CHAR (5)	Final hour for request. Time (00:00)
nota_origem	No	INT	Invoice number
loja	No	INT	Store ID on portal

Method **LinuxMovimentoSerial** (Returns all the information about the serial number used on the sales):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
transacao	INT	Microvix Transaction code
serial	VARCHAR (50)	Serial code
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinuxMovimentoSerial**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_inicial	No	DATE	Initial date.
data_fim	No	DATE	Final date
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
hora_inicial	No	CHAR (5)	Initial hour for request. Time (00:00)
hora_fim	No	CHAR (5)	Final hour for request. Time (00:00)
timestamp	No	BIGINT	Last Timestamp

Method **LinuxPlanos** (Return all the information regarding the Payment methods register on Microvix to be used on inventory and sales operations):

Field	Type	Description
portal	INT	Portal ID on Microvix

plano	INT	Payment method code on Microvix
desc_plano	VARCHAR (35)	Payment method description
qtde_parcelas	INT	Number of installments
prazo_entre_parcelas	INT	Date between installments
Type_plano	CHAR (1)	Purchase = "C", Sale = "V"
indice_plano	MONEY	Payment method index
cod_forma_pgto	CHAR (1)	Payment method code
forma_pgto	VARCHAR (50)	Payment method name
conta_central	INT	Central Account Code linked to the Customer/Supplier register
Type_transacao	CHAR (1)	For card payment method. "D" = Débito (debit) "C" = Crédito (credit)
taxa_financeira	MONEY	Percentage of the financial fee of card companies
dt_upd	SMALLDATETIME	Update date
desativado	CHAR (1)	Disabled = "S" (yes) or "N" (no)
usa_tef	CHAR (1)	Use Tef = "S" (yes) or "N" (no)
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinuxPlanos**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_upd_inicial	Yes	DATE	Initial update date.
data_upd_fim	Yes	DATE	Final update date.
timestamp	No	BIGINT	Last Timestamp
plano	No	INT	Payment method code on Microvix.

Method **LinuxPlanosBandeiras** (Returns all the information regarding the card flag used on the payment methods):

Field	Type	Description
portal	INT	Portal ID on Microvix
plano	INT	Payment method code on Microvix
bandeira	VARCHAR (30)	Flag description on Microvix
Type_bandeira	VARCHAR (100)	Description of the flag type
adquirente	INT	Car acquirer code linked to the Customer/Supplier register

Name_adquirente	VARCHAR (60)	Name of the card acquirer linked to the Customer/Supplier register
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Method query parameters for **LinxPlanosBandeiras**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_upd_inicial	No	DATE	Initial update date.
data_upd_fim	No	DATE	Final update date.

Method **LinxMovimentoPlanos** (Returns all the information regarding the Payment methods used on the sales and inventory operations):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
plano	INT	Payment method code on Microvix
desc_plano	VARCHAR (35)	Payment method description
total	MONEY	Total amount paid on the payment method
qtde_parcelas	INT	Number of installments
indice_plano	MONEY	Payment indice defined on the sale
cod_forma_pgto	INT	Payment method code
forma_pgto	VARCHAR (50)	Payment method name
Type_transacao	CHAR (1)	For Card Payment method. "D" = Débito (debit) e "C" = Crédito (credit)
taxa_financeira	MONEY	Percentage of the financial fee of card companies
ordem_cartao	INT	Card order. Ex. 1,2,3. Only for car payment method
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
loja	INT	Store ID on portal

Method query parameters for **LinxMovimentoPlanos**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_inicial	No	DATE	Initial date.

data_fim	No	DATE	Final date.
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
hora_inicial	No	CHAR (5)	Initial hour for request. Time (00:00)
hora_fim	No	CHAR (5)	Final hour for request. Time (00:00)
timestamp	No	BIGINT	Last Timestamp
loja	No	INT	Store ID on portal

Method **LinxMovimentoDevolucoesItens** (Returns all the information regarding exchanged itens):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
identificador_venda	UNIQUEIDENTIFIER	Operation identification code
identificador_devolucao	UNIQUEIDENTIFIER	Operation identification code
codigoproduto	BIGINT	Product code on Microvix
id_movimento_devolucoes_itens	INT	Exchange operation code
transacao_origem	INT	Document Transaction related to the product exchange
transacao_devolucao	INT	Exchange Transaction
qtde_devolvida	FLOAT	Product quantity returned
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoDevolucoesItens**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
transacao_devolucao	No	CHAR (5)	Exchange Transaction

Method **LinxSangriaSuprimentos** (Returns all the information regarding cash withdrawal and cash supply):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
usuario	INT	User Code for the Transaction .

data	Date	Registration data
valor	MONEY	Cash amount for the withdrawal and cash supply
obs	TEXT	Description of the withdrawal and cash supply
cancelado	CHAR (1)	S = Cancelled N = Not Cancelled
conferido	BIT	1 = Document checked 0 = document not checked
cod_historico	BIGINT	History code on Microvix
desc_historico	VARCHAR (50)	History description
id_sangria_suprimentos	INT	ID for withdrawal and cash supply

**Obs:** The negative amounts are related to the cash withdrawal and the positive amount is related to the cash supply.

Method query parameters for **LinxSangriaSuprimentos:**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_inicial	Yes	DATE	Initial date.
data_fim	Yes	DATE	Final date.

Method **LinxMovimentoAcoesPromocionais** (Returns all the information regarding sales actions used on the sale):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
transacao	INT	Microvix Transaction code
id_acoes_promocionais	INT	Promotional code
desconto_item	MONEY	Amount for the promotional action
quantidade	INT	How many times the promotion was used on sale

Method query parameters for **LinxMovimentoAcoesPromocionais:**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_inicial	No	DATE	Initial date.

data_fim	No	DATE	Final date.
identificador	No	UNIQUEIDENTIFIER	Transaction ID.
hora_inicial	No	CHAR (5)	Initial hour for request. Time (00:00)
hora_fim	No	CHAR (5)	Final hour for request. Time (00:00)

Method **LinxAcoesPromocionais** (Returns all contain the sales actions campaign registered at Microvix ERP):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
id_acoes_promocionais	INT	Promotional code
descricao	VARCHAR (100)	Promotion description
vigencia_inicio	SMALLDATETIME	Initial vigency date
vigencia_fim	SMALLDATETIME	Final vigency date
observacao	VARCHAR (MAX)	Promotion observation
ativa	BIT	Active: True = Yes, False = No
excluida	BIT	Excluded: True = Yes, False = No
integrada	BIT	Integrated: 1 = Yes, 0 = No
qtde_integrada	INT	Max quantity integrated
valor_pago_franqueadora	MONEY	Amount paid by the franchisor

Method query parameters for **LinxAcoesPromocionais**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
ativa	Yes	BIT	Active: 1 = Yes, 0 = No
data_inicial	No	DATE	Initial date.
data_fim	No	DATE	Final date.
integrada	No	INT	Integrated: 1 = Yes, 0 = No

Method **LinxListaDaVez** (Returns all the recorded information regarding on the "Lista da Vez" routine at Microvix (used to determine seller's turn to approach Customers):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ

cod_vendedor	INT	Microvix Seller code
data	SMALLDATETIME	List date
motivo_nao_venda	VARCHAR (103)	Description for no sale motive
qtde_ocorencias	INT	Number of occurrences
data_hora_ini_atend	SMALLDATETIME	Date/Time for the beginning of the Service
data_hora_fim_atend	SMALLDATETIME	Date/Time for the end of the Service
obs	VARCHAR (MAX)	Observation
desc_produto_neg	VARCHAR (50)	Description of the traded product
valor_produto_neg	MONEY	Amount of the traded product

Method query parameters for **LinxListaDaVez**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_inicial	Yes	DATE	Initial date.
data_fim	Yes	DATE	Final date.
cod_vendedor	No	INT	Store seller code

Method **LinxVendedores** (Returns all the information about the store sellers):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_vendedor	INT	Microvix Seller code
Name_vendedor	VARCHAR (50)	Name
Type_vendedor	CHAR (1)	Type: V = Seller, C = Buyer, A = Both
end_vend_ rua	VARCHAR (250)	Address
end_vend_numero	INT	Address number
end_vend_Complement	VARCHAR (60)	Complement
end_vend_district	CHAR (60)	District
end_vend_Zip Code	CHAR (9)	Zip Code
end_vend_City	VARCHAR (60)	City
end_vend_State	CHAR (2)	STATE
fone_vendedor	VARCHAR (30)	Phone number
mail_vendedor	VARCHAR (50)	E-mail



dt_upd	SMALLDATETIME	Update date
cpf_vendedor	VARCHAR (11)	CPF
ativo	CHAR (1)	Seller active = S, not active = N
data_admissao	SMALLDATETIME	Admission date
data_saida	SMALLDATETIME	Exit Date
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
matricula	VARCHAR (30)	Registration

Method query parameters for **LinxVendedores**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_upd_inicial	No	DATE	Iniitial update date
data_upd_fim	No	DATE	Final Update date
cod_vendedor	No	INT	Store seller code
timestamp	No	BIGINT	Last Timestamp

Method **LinxMetasVendedores** (Returns all the information regarding seller's goal):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
id_meta	INT	Goal Code on Microvix
descricao_meta	VARCHAR (50)	Goal Description
data_inicial_meta	SMALLDATETIME	Initial goal date
data_final_meta	SMALLDATETIME	Final goal date
valor_meta_loja	MONEY	Store Target value
valor_meta_vendedor	MONEY	Seller target value
cod_vendedor	INT	Microvix Seller code
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMetasVendedores**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ

data_inicial_meta	Yes	SMALLDATETIME	Initial goal date
data_fim_meta	Yes	SMALLDATETIME	Final goal date
id_meta	No	INT	Goal ID
cod_vendedor	No	INT	Store seller code
timestamp	No	BIGINT	Last Timestamp

Method **LinxProdutosDepositos** (Returns all the information about the store deposits):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_deposito	INT	Deposit code
Name_deposito	VARCHAR (50)	Deposit name
disponivel	BIT	Available for sale
disponivel_transferencia	BIT	Available for store transfer
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxProdutosDepositos**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
cod_deposito	No	INT	Deposit code
timestamp	No	BIGINT	Last Timestamp

Method **LinxProdutosInventario** (Returns all the information regarding products inventory on the searched date):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
cod_produto	BIGINT	Product Code on Microvix
cod_barra	VARCHAR (20)	Product codebar
quantidade	FLOAT	Inventory position on the request date
cod_deposito	INT	Deposit code
loja	INT	Store ID on portal

Method query parameters for **LinxProdutosInventario**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice

cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_inventario	Yes	SMALLDATETIME	Inventory request date
cod_produto	No	BIGINT	Last Timestamp
referencia	No	VARCHAR (20)	Product reference
cod_deposito	No	VARCHAR (MAX)	Deposit Code. Ex.: 1,2,3.
loja	No	INT	Store ID on portal

Method **LinxProdutosDetalhes** (Returns all the information about the products details such as inventory, prices, costs, taxes):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnj_emp	VARCHAR (14)	Store CNPJ
cod_produto	BIGINT	Product Code on Microvix
cod_barra	VARCHAR (20)	Product codebar
quantidade	MONEY	Current product stock position
preco_custo	MONEY	ICMS price
preco_venda	MONEY	Item sales price in standard table
custo_medio	MONEY	Average product cost
id_config_tributaria	SMALLINT	Tax Configuration code linked to the product
desc_config_tributaria	VARCHAR (100)	Tax Configuration description linked to the product
despesas1	FLOAT	Expense field value
qtde_minima	FLOAT	Minimum quantity
qtde_maxima	FLOAT	Maximum quantity
ipi	FLOAT	IPI aliquot
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
loja	INT	Store ID on portal

Method query parameters for **LinxProdutosDetalhes**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_mov_ini	Yes	DATE	Initial transaction date.
data_mov_fim	Yes	DATE	Final transaction date

cod_produto	No	BIGINT	Product Code <b>Obs1:</b> When informed, leave NULL on date field <b>Obs2:</b> Returns the product even with stock = 0
referencia	No	VARCHAR (20)	Product reference
timestamp	No	BIGINT	Last Timestamp
loja	No	INT	Store ID on portal

**Obs1:** The dates informed in the Method request will serve as a basis for filtering only products that had movement in the period, but the stock of the returned product is always the current one.

**Obs2:** The method LinxProdutosDetalhes will only return products with a stock within the informed period, unless the Product Code is indicated in the "product\_cod" field, in this case it will return the product balance even when it has a value = 0.

Method **LinxProdutosPromocoes** (Returns all the information regarding promotions registered on Microvix):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
cod_produto	BIGINT	Product Code in promotion campaign on Microvix
preco_promocao	MONEY	Product sale price
data_inicio_promocao	SMALLDATETIME	Initial date for the promotion campaign
data_termino_promocao	SMALLDATETIME	Final date for the promotion campaign
data_cadastro_promocao	DATETIME	Register date of the promotion campaign
promocao_ativa	CHAR (1)	Active = "S" or not active = "N"
id_campanha	BIGINT	campaign code
Name_campanha	VARCHAR (60)	campaign name
promocao_opcional	BIT	Optional "1" = Yes, "0" = No
custo_total_campanha	MONEY	Total campaign cost

Method query parameters for **LinxProdutosPromocoes**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
data_cad_inicial	Yes	DATE	Initial Registration Date

data_cad_fim	Yes	DATE	Final Registration Date
data_vig_inicial	Yes	DATE	Initial vigency date
data_vig_fim	Yes	DATE	Final vigency date
promocao_ativa	Yes	CHAR (1)	Only active campaign: S or N

Method **LinxProdutos** (Returns all the products information):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_produto	BIGINT	Product Code on Microvix
cod_barra	VARCHAR (20)	Product codebar
Name	VARCHAR (250)	Product name
ncm	VARCHAR (20)	NCM
cest	VARCHAR (10)	CEST
referencia	VARCHAR (20)	Product reference
cod_auxiliar	VARCHAR (40)	Product auxiliary code
unidade	VARCHAR (50)	Unity for sale
desc_cor	VARCHAR (30)	Collor description
desc_tamanho	VARCHAR (50)	Size description
desc_setor	VARCHAR (30)	Sector description
desc_linha	VARCHAR (30)	Line description
desc_marca	VARCHAR (30)	Brand description
desc_colecao	VARCHAR (50)	Collection description
dt_update	SMALLDATETIME	Product Update date
cod_fornecedor	INT	Microvix Transaction supplier code linked to the product
desativado	CHAR (1)	Deactivated S or No
desc_espessura	VARCHAR (50)	Thickness description
id_espessura	INT	Thickness code
desc_classificacao	VARCHAR (50)	Classification description
id_classificacao	INT	Classification code
origem_mercadoria	TINYINT	Origin code
peso_liquido	FLOAT	Net weight
peso_bruto	FLOAT	Gross weight
id_cor	INT	Collor ID

id_tamanho	VARCHAR (5)	Size ID
id_setor	INT	Sector ID
id_linha	INT	Line ID
id_marca	INT	Brand ID
id_colecao	INT	Collection ID
dt_inclusao	SMALLDATETIME	Register date
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
fator_conversao	FLOAT	Conversion factor
codigo_integracao_ws	VARCHAR (50)	For customers with Webservice integration: Code sent in the integration
codigo_integracao_reshop	VARCHAR (50)	For customers with Webservice integration: Code sent in the integration
id_produtos_opticos_Type	INT	Product Code optical Type
id_sped_Type_item	INT	ID sped type item
componente	VARCHAR (1)	S = Yes or N = No. Indicates if the prouct it is a component
altura_para_frete	MONEY	Product hight
largura_para_frete	MONEY	Product width
comprimento_para_frete	MONEY	Product lenght
loja_virtual	CHAR	Virtual Store S = yes or N = no

Method query parameters for **LinxProdutos**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
dt_update_inicio	Yes	DATE	Initial update date
dt_update_fim	Yes	DATE	Final update date
id_setor	No	INT	Sector ID
id_linha	No	INT	Line ID
id_marca	No	INT	Brand ID
id_colecao	No	INT	Collection ID
cod_produto	No	BIGINT	Product code
referencia	No	VARCHAR (20)	Product reference

filtrar_loja	No	BIT	Filter only products available for the informed store
codigo_integracao_ws	No	VARCHAR (50)	Webservice Integration code
timestamp	No	BIGINT	Last Timestamp

Method **LinuxProdutosCodBar** (Returns all the information about the product's code bar):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_produto	BIGINT	Product Code on Microvix
cod_barra	VARCHAR (20)	Product codebar
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinuxProdutosCodBar**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
id_setor	No	INT	Sector ID
id_linha	No	INT	Line ID.
id_marca	No	INT	Brand ID
id_colecao	No	INT	Collection ID
cod_produto	No	BIGINT	Product Code on Microvix.
limite	No	BIGINT	Limits the amount of returned information
timestamp	No	BIGINT	Last Timestamp

Method **LinuxProdutosFieldAdicionais** (Returns all the information regarding the product's additional Fields):

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_produto	BIGINT	Product Code on Microvix
campo	VARCHAR (30)	Additional field name.
valor	VARCHAR (30)	Additional field value
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinuxProdutosFieldAdicionais**:

Field	Obligatory	Type	Observation
cnjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
data_mov_ini	Yes	DATE	Initial Transaction date
data_mov_fim	Yes	DATE	Final Transaction date
cod_produto	No	BIGINT	Product Code
referencia	No	VARCHAR (20)	Product reference
timestamp	No	BIGINT	Last Timestamp

**Obs:** The dates informed in the Method request will serve as a basis for filtering only products that had movement in the period, but the stock of the returned product is always the current one.

Method **LinxProdutosTabelas** (Returns all the information regarding the store's price lists at Microvix):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnj_emp	VARCHAR (14)	Store CNPJ
id_tabela	INT	Price table ID
Name_tabela	VARCHAR (50)	Price table name
ativa	CHAR (1)	Active = "S" (yes) or = "N" (no)
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
Type_tabela	CHAR (1)	Table Type: I - Indice L - Line P - Product M - Markup

Method query parameters for **LinxProdutosTabelas**:

Field	Obligatory	Type	Observation
cnjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
id_tabela	No	INT	Price table ID
timestamp	No	BIGINT	Last Timestamp

Method **LinxProdutosTabelasPrecos**:

Field	Type	Description
portal	INT	Portal ID on Microvix
cnj_emp	VARCHAR (14)	Store CNPJ



id_tabela	INT	Internal code from table's price
cod_produto	BIGINT	Product Code on Microvix
precovenda	MONEY	Product value on the price table
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxProdutosTabelasPrecos**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
id_tabela	Yes	INT	Id da tabela de preço
cod_produto	No	BIGINT	Product Code

Method **LinxConfiguracoesTributarias** (Returns all the information about the tax configurations):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
id_config_tributaria	SMALLINT	Tax configuration code
desc_config_tributaria	VARCHAR (100)	Tax description

sigla_config_tributaria	VARCHAR (50)	Tax configuration initials
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
ativa	BIT	Active "S" = yes or "N" = no
State	VARCHAR (2)	Key field that indicates which State the tax configuration refers to. This option will allow the ID to be automatically suggested or linked to a product in the company that has the same status as the ID in question. Options: STATES in Brazil and the term 'EX' to represent abroad.
sistema_tributacao	CHAR (1)	Key field that indicates the taxation system to which the tax configuration refers. It must be filled in with 'R' for Actual Profit, 'P' for Presumed Profit and 'S' for Yesples. This option will allow the ID to be automatically suggested or linked to a product in the company that has the same taxation system as the ID in question.

Type_atividade	INT	Key field that indicates the Type of activity to which the tributary configuration refers. 0 will indicate the Industrial or Equivalent activity and 1 the Orthros activity. This option will allow the ID to be automatically suggested or linked to a product in the company that has the same Activity Type as the ID in question.
id_origem_mercadoria	INT	Key field that indicates the origin of the goods to which the config refers. The ID that represents the source code must be sent, which can be: 0 - National, except those indicated in codes 3, 4, 5 and 8 1 - Foreign - Direct import, except as indicated in code 6 2 - Foreign - Acquired in the domestic market, except as indicated in code 7 3 - National, merchandise or good with Import Content greater than 40% (forty percent) and less than or equal to 70% (seventy percent) 4 - National, whose production has been carried out in accordance with the basic production processes dealt with in Decree-Law No. 288/67, and Laws No. 8,248/91, 8,387/91, 10,176/01 and 11,484/07 5 - National, merchandise or good with Import Content less than or equal to 40% (forty percent) 6 - Foreign - Direct import, without national Yesilar, included in the CAMEX Resolution list and natural gas 0 7 - Foreign - Acquired in the domestic market, without national Yesilar, included in the CAMEX Resolution list and natural gas
		8 - National, merchandise or good with Import Content greater than 70% (seventy percent) This option will allow the ID to be automatically suggested or linked to a product that has the same origin as the ID in question.
utiliza_uso_consumo	BIT	Key field that indicates that the ID represents usage and consumption products. This option will allow the ID to be automatically suggested or linked to products configured with Item Type 7 - Usage and consumption material.

id_classificacao_cest_produto	INT	Key field that indicates which CEST (Specific Tax Substitution Code) the ID represents. It should only be sent if the ID represents products subject to tax substitution. This option will allow the ID to be automatically suggested or linked to a product that has the same CEST as the ID in question (in addition to the other Field keys). Here, an ID previously registered in the classification_cest_product table must be sent (Supplies > Inventory > Auxiliary Registers > NCM/CEST > CEST).
codigo_ws	VARCHAR (50)	This field exports the code sent in the integration via input ws by Method LinxCadastraConfiguracoesTributarias.

Method query parameters for **LinxCadastraConfiguracoesTributarias**:

Field	Obligatory	Type	Observation
cnjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
timestamp	No	BIGINT	Last Timestamp
sigla_config_tributaria	No	VARCHAR (50)	Tax Configuration Initials
somente_ativa	No	BIT	0 - returns all the registers 1 - returns only the active
filtrar_loja	No	BIT	0 - returns all the registers without consider the CNPJ informed on the parameter cnjEmp and 1 - return only the available configurations for the informed CNPJ <b>OBS: When not informed the default is 1</b>

Method **LinxCadastraConfiguracoesTributariasDetalhes** (Returns all the details for each tax configuration registered at Micro):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnj_emp	VARCHAR (14)	Store CNPJ
id_config_tributaria	SMALLINT	Tax configuration code
desc_classe_fiscal	VARCHAR (150)	Fiscal class description
cod_natureza_operacao	CHAR (10)	Transaction nature code
desc_natureza_operacao	VARCHAR (60)	Transaction nature description

cfop_fiscal	VARCHAR (5)	CFOP code
desc_cfop_fiscal	VARCHAR (300)	CFOP description
aliq_icms	MONEY	ICMS aliquot
valor_tributado_icms	MONEY	ICMS tributed value
aliq_pis	MONEY	PIS aliquot
aliq_cofins	MONEY	Cofins aliquot
perc_reducao_icms	MONEY	ICMS reduction percentage
perc_reducao_icms_st	MONEY	ICMS ST reduction percentage
margem_st	MONEY	ST margin
aliquota_st	MONEY	ST aliquot
margem_st_Yesulador	MONEY	ST Yesulador Margin
aliquota_st_Yesulador	MONEY	ST Yesulador aliquot
desconto_icms	MONEY	ICMS discount value
cst_icms_fiscal	VARCHAR (4)	Fiscal CST ICMS
desc_cst_icms_fiscal	VARCHAR (150)	CST ICMS description
cst_ipi_fiscal	VARCHAR (4)	CST IPI
desc_cst_ipi_fiscal	VARCHAR (150)	CST IPI description
cst_pis_fiscal	VARCHAR (4)	CST PIS
desc_cst_pis_fiscal	VARCHAR (150)	CST PIS description
cst_cofins_fiscal	VARCHAR (4)	CST Cofins
desc_cst_cofins_fiscal	VARCHAR (150)	CST Cofins description
desc_obs_padrao	VARCHAR (250)	Standard Description
icms_credito	BIT	True = Yes, False = No
ipi_credito	BIT	True = Yes, False = No
cod_enquadramento_ipi	CHAR (3)	IPI
desc_enquadramento_ipi	VARCHAR (600)	IPI description
perc_aliquota_interna_State_destinatario	MONEY	Internal rate percentage
perc_aliquota_interstadual_State_envidas	MONEY	Interstate rate percentage
csosn_fiscal	VARCHAR (5)	CSOSN Fiscal
desc_csosn_fiscal	VARCHAR (200)	Description da CSOSN Fiscal
forma_tributacao_pis	VARCHAR (10)	True = 'Valor' and False or NULL = 'Percentual'
forma_tributacao_cofins	VARCHAR (10)	True = 'Valor' and False or NULL = 'Percentual'
id_ramo_atividade	SMALLINT	Industry code

loja	INT	Store Code
usa_base_icms_para_calculo_st	BIT	Determines whether the total products (0) or the ICMS base (1) will be used in the calculation of the ICMS tax substitution base.
id_classe_fiscal	INT	ID related to Tax Class registered in CRM > Auxiliary Registrations > Tax Class. The Tax Class that represents the state in which the tax config is associated.
id_cfop_fiscal	SMALLINT	ID representing the CFOP (Fiscal Code) of the Transaction to which the tax detail refers. ID must exist in cfop_fiscal table
id_cst_icms_fiscal	SMALLINT	ID that represents the CST (Code of Tax Situation) of the ICMS of the Transaction to which the tax detail refers. ID must exist in cst_icms_fiscal table
id_cst_ipi_fiscal	SMALLINT	ID that represents the CST (Code of Tax Situation) of the IPI of the Transaction to which the tax detail refers. ID must exist in cst_ipi_fiscal table
id_cst_pis_fiscal	SMALLINT	ID that represents the CST (Code of Tax Situation) of the Transaction 's PIS to which the tax detail refers. ID must exist in cst_pis_fiscal table
id_cst_cofins_fiscal	SMALLINT	ID that represents the CST (Code of Tax Situation) of the COFINS of the Transaction to which the tax detail refers. ID must exist in cst_cofins_fiscal table
id_obs	INT	Indicates the Standard Observation code that must be related to the tax detail. The ID must be previously registered in: Billing > Auxiliary Registers > Standard Observations (table moviment_observacoes)
tributado	BIT	Indicates whether ISS is taxed (paid by the service provider)
retido	BIT	Indicates whether the ISS is withheld (paid by the service holder)
icms_base_naotributado	SMALLINT	Indicates how the invoice value should be recorded if there is no ICMS debit or credit, with the options: 2 - Operations without Credit of

		Tax-Exempt or Non-Taxed 3 - Operations without Credit of Tax
ipi_base_naotributado	SMALLINT	Indicates how the invoice value should be recorded if there is no IPI debit or credit, the options being: 2 - Operations without credit of Tax-Exempt or Non-Taxed 3 - Operations without Credit of Tax
id_csosn_fiscal	SMALLINT	ID that represents the CSOSN (Transaction Situation Code at Yesples Nacional) of the Transaction to which the tax detail refers. ID must exist in csosn_fiscal table
somar_icms_st	BIT	Indicates whether the ICMS ST value composes the calculation of the Average Cost of the products in the Entries, being added to the cost of acquisition of the product
id_sped_Type_base_credito	INT	Indicates the PIS/COFINS credit calculation base code, in the case of Inbound and Outbound Returns. Information required for SPED Contributions. The ID must exist in the sped_Type_base_credito table
aliquis_servico	MONEY	Indicates the rate (percentage) of PIS, used in the calculation of the PIS tax related to the service
aliquis_servico	MONEY	Indicates the COFINS rate (percentage) used in the calculation of the COFINS tax related to the service
id_cst_pis_fiscal_servico	SMALLINT	ID that represents the CST (Tax Status Code) of the PIS of the service to which the tax detail refers. ID must exist in cst_pis_fiscal table. Required for service-related detail only
id_cst_cofins_fiscal_servico	SMALLINT	ID that represents the COFINS CST (Tax Situation Code) of the service to which the tax detail refers. ID must exist in cst_pis_fiscal table. Required for service-related detail only
csrf	BIT	Indicates whether, in the case of contracting services, there will be withholding of Pis, Cofins and CSLL

codigo_retencao_csrf	VARCHAR (4)	Indicates the code related to the withholding tax of Pis, Cofins and CSLL. Required for service-related detail only
aliquis_pis_csrf	MONEY	Tax rate (percentage) related to the withholding tax of Pis. Required for service-related detail only
aliquis_cofins_csrf	MONEY	Rate (percentage) related to Cofins withholding at source. Required for service-related detail only
aliquis_csll_csrf	MONEY	Rate (percentage) related to CSLL withholding tax. Required for service-related detail only
id_sped_Type_base_credito_servico	INT	Indicates the PIS/COFINS credit calculation base code for services taken. Information required for SPEDContribuições. O ID deve existir na tabela sped_Type_base_credito
receita	BIT	Indicates whether the Transaction represents an Income, in order to define whether the Invoice should be sent in SPED
fci_informa_parcela_importada	BIT	Indicates that when issuing an NF-e in which there is an FCI (Import Content Sheet) registered for the product, the system will send the value of the imported portion in the invoice
fci_informa_numero	BIT	Indicates that when issuing an NF-e in which there is an FCI (Import Content Sheet) registered for the product, the system will send the number of this FCI in the invoice
fci_informa_conteudo_importacao	BIT	Indicates that when issuing an NF-e in which there is an FCI (Import Content Sheet) registered for the product, the system will send the percentage of the import content in the invoice
fci_informa_valor_importacao	BIT	Indicates that when issuing an NF-e in which there is an FCI (Import Content Sheet) registered for the product, the system will send the value of the portion imported from abroad in the invoice

iss_Type_tributacao	SMALLINT	Indicates the Type of ISS (Service Tax) that will be in the Transaction involving service. The options are: 0 - Exempt 1 - Not taxed 2 - Tax Replacement 3 - Taxed 4 - Withheld
icms_st_Anticipated_margem	MONEY	Indicates the margin (MVA) of ICMS ST Advance, used in the calculation of the ICMS Tax Replacement Advance on Purchase Entries. The ICMS ST in advance is the ICMS ST paid by the company in a guide (No is highlighted in the supplier's note)
icms_st_Anticipated_aliquota	MONEY	Indicates the rate (percentage) of ICMS ST Anticipated (internal rate of destination), used in the calculation of ICMS Tax Substitution Anticipated in Purchase Entries. The ICMS ST in advance is the ICMS ST paid by the company in a guide (No is highlighted in the supplier's note)
icms_st_Anticipated_percentual_reducao	MONEY	Indicates the percentage of reduction of ICMS ST calculation base Advance, used in the calculation of the ICMS Tax Replacement Early Bird Entries Purchase. The ICMS ST in advance is the ICMS ST paid by the company in a guide (No is highlighted in the supplier's note)
icms_st_Anticipated_valor_integra_custo_medio	BIT	Indicates whether the ICMS ST value Anticipated makes up the calculation of Average product costs in the Entries, being added to the cost of acquiring the product
id_enquadramento_ipi	SMALLINT	Indicates the IPI legal framework code, used for sending in the NF-e and SPED Fiscal. Required only in operations with IPI
usa_regime_estimativa_Yesplifica	BIT	Indicates whether the ICMS ST calculation should be used through the Yesplified Estimation Regime
aliquota_carga_tributaria_media	MONEY	Indicates the Load Percentage Average Tax '%' to be used when the parameter usa_regime_estimativa_Yesplifica is active



fcp_integra_custo_medio	BIT	Indicates whether the FCP value composes the calculation of the Average Cost of the products in the Entries, being added to the product acquisition cost
aliq_fcp	MONEY	Indicates the rate (percentage) related to the FCP (Poverty Combat Fund), used to calculate the value of the FCP tax
fcp_credito	BIT	Indicates whether the FCP will be debited or credited in the tax bookkeeping.
fcp_reducao_icms	BIT	Indicates that the calculation base reduction percentage configured for ICMS will also be used to calculate the FCP.
aliq_icms_efetivo	MONEY	Indicates the rate (percentage) related to the Effective ICMS of the operation, used in the cases of Transaction CST 60 or CSOSN 500. This percentage is used to calculate the ICMS value that would exist in the Transaction if it were No taxed by tax substitution.
perc_reducao_icms_efetivo	MONEY	Indicates the percentage of reduction in the calculation base related to the Effective ICMS of the operation, used in cases of Transaction CST 60 or CSOSN 500.
icms_fcp_st_Anticipated_aliquota	MONEY	Indicates the rate (percentage) related to the FCP (Poverty Combat Fund) referring to the ICMS ST Advance
difal_base_dupla	BIT	Indicates whether the calculation of the Aliquot Differential should be using the double base (indicate the formula through the Type_base_dupla field) If this parameter is false, the formula:(Value of Transaction * (Internal Rate - Interstate Rate))
aliq_desoneracao_icms	MONEY	Indicates the ICMS rate related to the tax exemption. This rate is used to calculate the value of ICMS that is being benefited in the operation, whether with exemption, reduction, etc.
aliq_desoneracao_fcp	MONEY	Indicates the FCP (Poverty Combat Fund) rate related to the tax exemption. This rate is used to

		calculate the value of the FCP that is being benefited in the operation, whether with exemption, reduction, etc.
cod_beneficio_fiscal	VARCHAR (10)	Indicates the Transaction Tax Benefit Code that has ICMS exemption. Required only when ICMS CST ends in: 20, 30, 40, 41, 50, 70 or 90.
id_motivo_desoneracao_icms	SMALLINT	Indicates the ICMS exemption reason ID when the Transaction has any exemption benefit, base reduction, etc. Required only when ICMS CST ends in: 20, 30, 40, 41, 50, 70 or 90. Options are: 1 - Taxi 3 - Agricultural producer 4 - Fleet Owner/Lessor 5 - Diplomatic/Consular 6 - Utilities and motorcycles from the Western Amazon and free trade areas 7 - STATERAMA 8 - Sale to public body 9 - Orthros 10 - Disabled driver 3        11 - Disabled In the driver 12 - Agricultural promotion and development agency
deduzir_icms_custo	BIT	Indicates whether the FCP will be debited or credited in the tax bookkeeping.
deduzir_icms_desonerado	BIT	Indicates whether the system should deduct the amount of ICMS Exonerated from the Invoice Total
somar_ipi_base_difal_fcp	BIT	BIT Indicates whether the IPI value should form the basis for calculating the Inbound operations rate differential

Type_base_dupla	SMALLINT	Indicates which formula should be used in calculating the Differential Aliquot, where the available options are: For Input Transaction : 1: (((Transaction Amount - ICMS source) / (1 - Internal Rate)) * (Internal Rate - Rate Interstate)) 2: (((Amount of Transaction - ICMS origin) / (1 - Internal Rate)) x Internal Rate) - (Amount of Transaction x Interstate Rate)) For Outbound Transaction : 1: ((Transaction Value / (1 - Internal Rate)) * (Rate Internal - Interstate Rate))
utiliza_lucro_base_icms	BIT	Indicates whether the ICMS calculation base should be calculated based on the profit of the operation. Used in the case of resale of used products and consignment.
utiliza_lucro_base_pis	BIT	Indicates whether the PIS calculation basis should be calculated based on the profit of the operation. Used in the case of resale of used products and consignment.
utiliza_lucro_base_cofins	BIT	Indicates whether the COFINS calculation base should be calculated based on the Transaction 's profit. Used in the case of resale of used products and consignment.
codigo_ws	VARCHAR (100)	This field exports the code sent in the integration via input ws by the Method LinxCadastraConfiguracoesTributariasDetalhas.
timestamp	BIGINT	Table Timestamp. Ex: "185318313"

Method query parameters for **LinxCadastraConfiguracoesTributariasDetalhas**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
id_config_tributaria	Yes	INT	Tax configuration ID
Timestamp	Não	BIGINT	Biggest Timestamp returned on the last request

filtrar_loja	No	BIT	0 - Returns all tax settings without considering the CNPJ informed in the cnpjEmp parameter, and 1 - Returns the tax settings available to the company according to the CNPJ informed in the cnpjEmp parameter. <b>NOTE: When not informed, the default is 1.</b>
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Method **LinxFaturas** (Returns all the information regarding invoices to receive and invoices to pay):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
codigo_fatura	BIGINT	Invoice code
data_emissao	SMALLDATETIME	Invoice issue date
cod_cliente	INT	Invoice Customer Code
Name_cliente	VARCHAR (60)	Invoice customer/supplier name
data_vencimento	SMALLDATETIME	Invoice due date
data_baixa	SMALLDATETIME	Invoice issue date
valor_fatura	MONEY	Original Invoice Amount
valor_pago	MONEY	Payment amount made
valor_desconto	MONEY	Amount of discount conceived on the invoice
valor_juros	MONEY	Interest rate amount charged
documento	INT	Invoice document Transaction number
serie	VARCHAR (10)	Invoice document Transaction serie
ecf	INT	Invoice ECF Transaction number
observacao	TEXT	Invoice Observation
qtde_parcelas	INT	Total amount of invoice installments
ordem_parcela	INT	Installment Order
receber_pagar	CHAR (1)	Identifies whether the invoice is receivable or payable
vendedor	INT	Seller code related to the invoice
excluido	CHAR (1)	Identifies if the invoice is excluded
cancelado	CHAR (1)	Identifies if the invoice is canceled
identificador	UNIQUEIDENTIFIER	Code to identify and reference the tax document information
nsu	VARCHAR (20)	NSU invoice number with TEF
cod_autorizacao	VARCHAR (20)	Invoice authorization code with TEF

documento_sem_tef	VARCHAR (350)	Document number entered manually for sales without TEF
autorizacao_sem_tef	VARCHAR (30)	Authorization code entered manually for sales without TEF
plano	INT	Payment method code on Microvix
conta_credito	BIGINT	Credit Account code
conta_debito	BIGINT	Debit Account code
conta_fluxo	BIGINT	Flow account code
cod_historico	BIGINT	History code on Microvix
forma_pgto	VARCHAR (50)	Payment method name
ordem_cartao	TINYINT	Card order. Ex. 1,2,3. Only for car payment method
banco_codigo	VARCHAR (10)	Bank code for check invoice
banco_agencia	VARCHAR (30)	Agency code for check invoice
banco_conta	VARCHAR (30)	Account code for check invoice
banco_autorizacao_garantidora	VARCHAR (30)	Guarantor code for check invoice
numero_bilhete_seguro	VARCHAR (30)	Used only with the Sale of Third-Party Services module
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
loja	INT	Store ID on portal

Method query parameters for **LinxFaturas:**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key
timestamp	No	BIGINT	Last Timestamp
data_inicial	No	SMALLDATETIME	Initial date for the period
data_fim	No	SMALLDATETIME	Final date for the period
data_inicial_pag	No	SMALLDATETIME	Initial Payment date
data_fim_pag	No	SMALLDATETIME	Final Payment date
identificador	No	UNIQUEIDENTIFIER	Sale identifier located at Method LinxMovimento
loja	No	INT	Store ID on portal

**Obs:** Only one listing period can be provided (Issuance or Payment), the other must be NULL. But it must at least have an informed Period.

Method **LinxLancContabil** (Returns all the information of the accounting entries by accounts and stores):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
cod_lanc	BIGINT	Accounting entry code
centro_custo	VARCHAR (50)	Cost Center Description
ind_conta	VARCHAR (150)	Account Index
cod_conta	BIGINT	Account code
Name_conta	VARCHAR (50)	Account name
valor_conta	MONEY	Value
cred_deb	CHAR (1)	Informs if the entry is "C" = credit or "D" = debit
data_lanc	SMALLDATETIME	Launch Date
compl_conta	VARCHAR (500)	Complement Description
identificador	UNIQUEIDENTIFIER	Code to identify and reference the tax document information.
cod_historico	BIGINT	History code on Microvix
desc_historico	VARCHAR (50)	History Description
data_compensacao	SMALLDATETIME	Compensation date
fatura_origem	INT	Internal invoice code in Microvix
efetivado	CHAR (1)	Effective S = yes or N = no
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
loja	INT	Store ID on portal

Method query parameters for **LinxLancContabil**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	No	BIGINT	Last Timestamp
data_lanc_ini	Yes	SMALLDATETIME	Initial date
data_lanc_fim	Yes	SMALLDATETIME	Final date
cod_cc	Yes	INT	Cost Center Code

cod_conta	Yes	INT	Account code
identificador	No	UNIQUEIDENTIFIER	Sale identifier located at Method LinxMovimento.
fatura_origem	No	INT	Invoice code
loja	No	INT	Store ID on portal

Method **LinxPedidosVenda** (Returns all the sales order information):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
cod_pedido	INT	Sales order code
data_lancamento	SMALLDATETIME	Sale order date
hora_lancamento	CHAR (5)	Sale order time
transacao	INT	Microvix Transaction code
usuario	INT	Order sale user
codigo_cliente	INT	Customer Code
cod_produto	BIGINT	Product Code
quantidade	FLOAT	Product quantity
valor_unitario	MONEY	Unitary product value
cod_vendedor	INT	Microvix Seller code
valor_frete	MONEY	Cost of freight
valor_total	MONEY	Total seller order value
desconto_item	MONEY	Item discount
cod_plano_pagamento	INT	Payment method code
plano_pagamento	VARCHAR (35)	Payment method name
obs	VARCHAR (MAX)	Sale order observation
aprovado	CHAR (1)	S = Yes (it is a sales order) and N = No (it is not sale order yet)
cancelado	CHAR (1)	Cancelled S = Yes e N = No
data_aprovacao	SMALLDATETIME	Approval Date
data_alteracao	SMALLDATETIME	Update date
Type_frete	SMALLINT	Freight Type 1 = CIF e 2 = FOB
natureza_operacao	VARCHAR (60)	Displays the Description of the Nature of the Transaction
tabela_preco	INT	Price table code
Name_tabela_preco	VARCHAR (50)	Price table description

previsao_entrega	SMALLDATETIME	expected delivery date
realizado_por	INT	Customer Code created by
pontuacao_ser	INT	Customer Code "ser" pontuation
venda_externa	CHAR (1)	External Sale S = Yes e N = No
nf_gerada	VARCHAR (MAX)	Number of Invoices generated in the sale order, separated by a comma.
status	CHAR (1)	F = Fully paid P = Partially paid N = Not Paid
numero_projeto_officina	VARCHAR (50)	Project code
cod_natureza_operacao	CHAR (10)	Transaction Nature Code
margem_contribuicao	MONEY	Store Contribution Margin
doc_origem	INT	Origin document
posicao_item	INT	Item position on sale order
orcamento_origem	INT	Origem number, or zero
transacao_origem	INT	When a sales order is partially approved, it generates a new Transaction , but keeps the original Transaction in the original Transaction field
timestamp	BIGINT	Table's Timestamp Ex: "185318313" Optional parameter
desconto	MONEY	Total discount
transacao_ws	INT	Tansaction sent though Webservice
loja	INT	Store ID on portal
transportador	BIGINT	Carrier registration ID
deposito	INT	Deposit ID

Method query parameters for **LinuxPedidosVenda:**

Field	Obligatory	Type	Observation
cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	No	BIGINT	Last Timestamp
data_inicial	Yes	SMALLDATETIME	Initial sales order date
data_fim	Yes	SMALLDATETIME	Final sales order date
hora_inicial	No	CHAR (5)	Initial time for the Transaction



hora_fim	No	CHAR (5)	Hora de lançamento fim de pesquisa da movimentação.
data_alt_inicial	No	SMALLDATETIME	Initial update date
data_alt_fim	No	SMALLDATETIME	Final update date
doc_cliente	No	VARCHAR (14)	Customer CPF or Supplier CNPJ.
transacao	No	INT	Saler order Transaction number
aprovado	No	CHAR (1)	Returns only approved order. S = Yes e N = No.
cancelado	No	CHAR (1)	Returns only canceled order. S = Yes e N = No.
loja	No	INT	Store ID on portal

Method **LinxPlanosPedidoVenda** (Return the Payment method used on the sale order):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnj_emp	VARCHAR (14)	Store CNPJ
cod_pedido	INT	Order Code
plano	INT	Payment method code on Microvix
desc_plano	VARCHAR (35)	Payment method description
total	MONEY	Total amount paid on the payment method
qtde_parcelas	INT	Number of installments
indice_plano	MONEY	Payment indice defined on the sale
valor_desc_acresc_plano	MONEY	Discount value or interest value.
cod_forma_pgto	INT	Payment method code
forma_pgto	VARCHAR (50)	Payment method name

Method query parameters for **LinxPlanosPedidoVenda**:

Field	Obligatory	Type	Observation
cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
cod_pedido	Yes	INT	Sale order code
data_inicial	Yes	SMALLDATETIME	Initial date
data_fim	Yes	SMALLDATETIME	Final Date

hora_inicial	No	CHAR (5)	Initial hour
hora_fim	No	CHAR (5)	Final hour
dt_update_inicial	No	SMALLDATETIME	Initial update date
dt_update_fim	No	SMALLDATETIME	Final update date

Method **LinxPedidosCompra** (Return all the purchase order information):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
cod_pedido	INT	Purchase order code
data_pedido	SMALLDATETIME	Purchase order date
transacao	INT	Microvix Transaction code
usuario	INT	Transacion User
codigo_fornecedor	INT	Supplier code
cod_produto	BIGINT	Product Code
quantidade	FLOAT	Product quantity
valor_unitario	MONEY	Unitary product value
cod_comprador	INT	Buyer code
valor_frete	MONEY	Freight value
valor_total	MONEY	Total sale order value
cod_plano_pagamento	INT	Payment method code
plano_pagamento	VARCHAR (35)	Payment method name
obs	VARCHAR (MAX)	Sale order observation
aprovado	CHAR (1)	Approved S = Yes e N = No
cancelado	CHAR (1)	Cancelled S = Yes e N = No
encerrado	CHAR (1)	Closed S = Yes e N = No
data_aprovacao	DATETIME	Approval date
numero_ped_fornec	VARCHAR (15)	Supplier's order number, when informed.
Type_frete	CHAR (1)	Shipping Code
natureza_operacao	VARCHAR (73)	Displays the Description of the Nature of the Transaction
previsao_entrega	SMALLDATETIME	Expected delivery date
numero_projeto_officina	VARCHAR (50)	Project Code
status_pedido	CHAR (1)	"E" = Delivered or "P" = Pending

qtde_entregue	FLOAT	Quantity delivered
descricao_frete	VARCHAR (40)	Freight description
integrado_linx	BIT	1 = Linx integrated, 0 = Not integrated
nf_gerada	INT	Invoice number generated in the order invoicing. It will only show the first NF
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
loja	INT	Store ID on portal

Method query parameters for **LinxPedidosCompra**:

Field	Obligatory	Type	Observation
cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	No	BIGINT	Last Timestamp
data_inicial	Yes	SMALLDATETIME	Initial date.
data_fim	Yes	SMALLDATETIME	Final date
status_pedido	No	CHAR (1)	"E" = Delivered or "P" = Pending
integrado_linx	No	BIT	1 = Linx integrated, 0 = Not integrated
loja	No	INT	Store ID on portal

Method **LinxReducoesZ** (Returns all the information of the "Z reductions", recorded on the fiscal printers):

Field	Type	Description
portal	INT	Portal ID on Microvix
loja	INT	Store Code
cnj	VARCHAR (14)	Store CNPJ
data_fechamento	SMALLDATETIME	Closing date
numero_ecf	SMALLINT	ECF number
numeroserie	VARCHAR (30)	ECF serial number
numero_reducoes	INT	Reductions number
cupom_inicial	INT	Initial coupon
cupom_final	INT	Final coupon
gt_inicial	MONEY	Initial GT
gt_final	MONEY	Final GT
qtde_cupons	INT	Coupon quantity

venda_bruta	MONEY	gross sale
descontos	MONEY	Discount
acrescimos	MONEY	Additions
cancelamentos	MONEY	Canceled
cro	SMALLINT	CRO
usuario	INT	Users code
aliquota	VARCHAR (4)	Aliquota (%)
valor	MONEY	Valued
data_mov	SMALLDATETIME	Movement date

Method query parameters for **LinxReducoesZ**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
cnpjPortal	Yes	CHAR (1)	(S) = Returns all CNPJs in the Portal (uses the cnpj informed in the cnpjEmp field to search the portal as a base). (N) = Returns data only from the CNPJ searched in the cnpjEmp field. Default option.
data_inicial	Yes	DATE	Initial Date
data_fim	Yes	DATE	Final date

**Obs:** It only returns information regarding the Z reductions made by fiscal printers.

Method **LinxServicos** (Returns the service register according to the searched store or market structure data):

Field	Type	Description
portal	INT	Portal ID
cod_servico	BIGINT	Service code
Name	VARCHAR (250)	Service name
id_setor	INT	Sector ID
desc_setor	VARCHAR (30)	Setor descriprion
id_linha	INT	Service line code

desc_linha	VARCHAR (30)	Service line description
id_marca	INT	Savice brand code
desc_marca	VARCHAR (30)	Service brand description
dt_update	SMALLDATETIME	Update date do serviço
operacao_servico	CHAR (1)	Indicates whether the service is an Input, Output or Both Transaction
servico_km	CHAR (1)	Indica se o serviço aponta KM's rodados
desativado	CHAR (1)	Indica se o serviço está desativado or No
cod_lc11603	VARCHAR (4)	Código informado referente a Lei Complementar nº116/2003
codigo_nbs	VARCHAR (20)	Código NBS (Nomenclatura Brasileira de Serviços)
dt_inclusao	SMALLDATETIME	Data de inclusão do serviço
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxServicos**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	No	BIGINT	Last Timestamp
dt_update_inicio	Yes	SMALLDATETIME	Initial Date
dt_update_fim	Yes	SMALLDATETIME	Final Date
id_linha	Yes	INT	Line code
id_marca	Yes	INT	Brand code
id_setor	Yes	INT	Sector code
cod_servico	No	BIGINT	Service code

Method **LinxServicosDetalhes** (Returns all the detailed information regarding the services registered at Microvix.):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
cod_servico	BIGINT	Service Code
preco_custo_hn	MONEY	Normal Hour price
preco_primeira_hn	MONEY	Service sales price in standard regular time

preco_demais_hn	MONEY	Service sales price in standard regular time
preco_custo_he	MONEY	Overtime cost price
preco_primeria_he	MONEY	Service sales price in standard overtime table
preco_demais_he	MONEY	Service sales price in standard overtime table
preco_custo_had	MONEY	Nightly Additional Hour cost price
preco_primeria_had	MONEY	Service sales price in the standard Nightly Additional Hour
preco_demais_had	MONEY	Service sales price in the standard Nightly Additional Hour
id_config_tributaria	SMALLINT	Tax Configuration Code linked to the service
desc_config_tributaria	VARCHAR (100)	Description of the Tax Configuration linked to the service
cod_trib_servico_municipio	VARCHAR (20)	Municipal Taxation Code
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxServicosDetalhes**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	No	BIGINT	Last Timestamp
cod_servico	No	BIGINT	The search service code can be informed. When searched by the service code, it will return even with a zero balance

Method **LinxCientesFornecContatosParentesco** (Returns the degrees of kinship registered in the portal):

Field	Type	Description
id_parentesco	TINYINT	Kinship code
descricao_parentesco	VARCHAR (50)	Kinship description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCientesFornecContatosParentesco**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice

timestamp	No	BIGINT	Last Timestamp
descricao_parentesco	No	VARCHAR (50)	Kinship description
id_parentesco	No	INT	Kinship code

Method **LinxAntecipacoesFinanceiras** (Returns information regarding financial advances):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
loja	INT	Service code
cod_cliente	INT	Customer Code
numero_antecipacao	INT	Anticipation code
data_antecipacao	SMALLDATETIME	Anticipation date
previsao_entrega	SMALLDATETIME	Pre-sale delivery forecast
dav_pv	VARCHAR (3)	Pre-sale
numero_origem	INT	Pre-sale number
dav_remissa	INT	Pre-sale shipping number
codigoproduto	BIGINT	Product code on Microvix
quantidade	MONEY	Product quantity
preco_unitario_produto	MONEY	Unity price
valor_pago_antecipacao	MONEY	Amount paid
entregue	CHAR (1)	Informs if the fiscal document was made Ex.: "S" (yes) or "N" (no)
identificador	UNIQUEIDENTIFIER	Code to identify and group tax document information.
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
cancelado	BIT	Anticipation canceled or not

Method query parameters for **LinxAntecipacoesFinanceiras**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
data_lanc_ini	No	SMALLDATETIME	Initial date
data_lanc_fim	No	SMALLDATETIME	Final date

numero_antecipacao	No	INT	Antecipacion number
identificador	No	UNIQUEIDENTIFIER	Transaction identifier in Microvix, which can be used to list the financial anticipations of a sale.
antecipacao_finalizada	No	BIT	To return only financial prepayments When completed, send 0. To return finalized prepayments, send 1.
exibir_cancelados	No	BIT	To return canceled records send 1 and to return Uncanceled records send 0

Method **LinxXMLDocumentos** (Returns the XML of documents issued by the store):

Field	Type	Description
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
documento	INT	Document number
serie	VARCHAR (10)	Document serie
data_emissao	SMALLDATETIME	Document emission date
chave_nfe	VARCHAR (44)	NF-e Key with 44 digits
situacao	TINYINT	NF-e situation: 1 - Authorized 2 - Canceled 3 - Denied 4 - Unusable 5 - Authorization Pending 6 - Pending Shipping 7 - Generation Pending 8 - Excludes 9 - Rejected 10 - Sent 11 - Rejected after Contingency 12 - Scheduled Disposal 13 - Rejected Disposal 14 - Waiting SEFAZ 15 - Scheduled Cancelation 16 - Cancelation Rejected
xml	VARCHAR (MAX)	XML
excluido	BIT	Document Excluded or not
identificador_microvix	UNIQUEIDENTIFIER	Unique identifier in Microvix to link to Transaction s
dt_insert	SMALLDATETIME	Insertion date
timestamp	BIGINT	Table's Timestamp Ex: "185318313"



nProtCanc	VARCHAR (15)	Cancellation Protocol Number
nProtInut	VARCHAR (15)	Inutilization Protocol Number
xmlDistribuicao	VARCHAR (MAX)	Distribution XML
nProtDeneg	VARCHAR (15)	Denied Protocol Number
cStat	VARCHAR (5)	Status of the document at SEFAZ
id_nfe	INT	Nf-e ID

Method query parameters for **LinxXMLDocumentos**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
data_inicial	No	DATE	Initial date
data_fim	No	DATE	Final date
chave_nfe	No	VARCHAR (44)	Nf-e Key
documento	No	INT	Document number
identificador	No	UNIQUEIDENTIFIER	Transaction ID
serie	No	VARCHAR (10)	Document serie

Method **LinxAntecipacoesFinanceirasPlanos** Returns the data from the `antecipacoes_financeiras` table and `antecipacoes_financeiras_planos` table):

Field	Type	Description
portal	INT	Portal ID on Microvix
loja	INT	Store ID on portal
cnpj_emp	VARCHAR (14)	Store CNPJ
id_antecipacoes_financeiras	INT	Transaction ID on <code>antecipacoes_financeiras</code>
numero_antecipacao	INT	Transaction number on <code>antecipacao financeira</code>
forma_pgto	VARCHAR (50)	Payment method name
plano	INT	Payment method ID
Name_plano	VARCHAR (35)	Payment method name
valor	MONEY	Value

cancelado	BIT	Cancelled
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxAntecipacoesFinanceirasPlanos**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_antecipacoes_financeiras	No	INT	Transaction ID on antecipações_financeiras
numero_antecipacao	No	INT	Transaction number on antecipação financeira

Method **LinxSubClasses** (Returns CRM subclass):

Field	Type	Description
id_subclasses	SMALLINT	Subclass ID
classe	SMALLINT	Class ID
descricao	VARCHAR (50)	Subclasse description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxSubClasses**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Access Key to Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
descricao	No	VARCHAR (50)	Subclass description

Method **LinxDevolucaoRemanejamentoFabricaType** (Returns information from rearrangement types returns):

Field	Type	Description
id_devolucao_remanejamento_fabrica_Type	TINYINT	ID rearrangement type
descricao	VARCHAR (100)	Rearrangement description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Consulta do Method **LinxDevolucaoRemanejamentoFabricaType**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_devolucao_remanejo_fabrica_Type	No	BIT	ID rearrangement type

Method **LinxDevolucaoRemanejoFabricaStatus** (Returns information from rearrangement types returns status):

Field	Type	Description
id_devolucao_remanejo_fabrica_status	TINYINT	ID rearrangement status
id_devolucao_remanejo_fabrica_Type	TINYINT	ID rearrangement type
descricao	VARCHAR (100)	Rearrangement description
timestamp	BIGINT	Timestamp da tabela. Ex: "185318313"

Consulta do Method **LinxDevolucaoRemanejoFabricaStatus**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_devolucao_remanejo_fabrica_status	No	BIT	ID rearrangement status

Method **LinxDevolucaoRemanejoFabrica** (Returns information from rearrangement returns):

Field	Type	Description
id_devolucao_remanejo_fabrica	INT	ID rearrangement returns
id_devolucao_remanejo_fabrica_Type	TINYINT	ID rearrangement types returns
id_motivo_devolucao_fabrica	SMALLINT	ID return motive
id_deposito	INT	Deposit ID

id_devolucao_remanejo_fabrica_status	TINYINT	ID rearrangement returns status
loja	INT	Store
fornecedor	INT	Supplier code
cfop	CHAR (10)	cfop
serie	VARCHAR (10)	Serie
codigo_solicitacao	VARCHAR (50)	Solicitation code
portal	INT	Portal ID on Microvix
data_solicitacao	DATE	Date
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Consulta do Method **LinxDevolucaoRemanejoFabrica**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ e
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservic
timestamp	Yes	BIGINT	Last Timestamp
data_solicitacao	No	SMALLDATETIME	Date
fornecedor	No	INT	Supplier code
id_devolucao_remanejo_fabrica	No	INT	ID rearrangement type return

Method **LinxDevolucaoRemanejoFabricaItem** (Rturns rearrangement returns items):  
):

Field	Type	Description
id_devolucao_remanejo_fabrica_item	INT	ID rearrangement return item
id_devolucao_remanejo_fabrica	INT	ID rearrangement return
codigoproduto	BIGINT	Product Code
codigo_produto_franqueadora	VARCHAR (50)	Product Code on Franchiser
quantidade	INT	Quantities
codebar	VARCHAR (20)	Codebar
serial	VARCHAR (50)	Serial
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Consulta do Method **LinxDevolucaoRemanejoFabricaItem**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_devolucao_remanejo_fabrica	No	INT	ID rearrangement return
id_devolucao_remanejo_fabrica_item	No	INT	ID rearrangement return item

Method **LinxProdutosDetalhesSimplificado** (Returns product information according to the store searched)

Field	Type	Description
portal	INT	Portal ID on Microvix
loja	INT	Store
cnpj_emp	VARCHAR (14)	Store CNPJ
cod_produto	BIGINT	Product Code on Microvix
quantidade	MONEY	Current product stock position
id_config_tributaria	SMALLINT	Product Tax Configuration Code
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxProdutosDetalhesSimplificado**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
cod_produto	No	BIGINT	Product Code
somente_com_saldo	No	BIT	0 – Returns all products 1 – Returns only products in stock When not informed the default is 1

Method **LinxConfiguracoesTributariasDetalhesSimplificado** (Returns the detail of the tax settings in a Simplified way.)

Field	Type	Description
portal	INT	Portal ID on Microvix

id_config_tributaria_detalhe	INT	Tax Detail Code
id_config_tributaria	SMALLINT	Product Tax Configuration Code
cod_natureza_operacao	CHAR (10)	Transaction Nature Code
id_classe_fiscal	SMALLINT	Class ID
id_cst_icms_fiscal	SMALLINT	cst icms ID
id_csosn_fiscal	SMALLINT	csosn ID
id_cfop_fiscal	SMALLINT	cfop ID
ipi_credito	BIT	IPI credit
icms_credito	BIT	ICMS credit
aliq_icms	MONEY	ICMS Aliquot
perc_reducao_icms	MONEY	ICM reduction percentage
aliquota_st	MONEY	ST Aliquot
margem_st	MONEY	ST Margem
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxConfiguracoesTributariasDetalhesSimplificado**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_config_tributaria	No	SMALLINT	Tax Configuration Code

Method **LinxNaturezaOperacao** (Returns the natures of operations)

Field	Type	Description
portal	INT	Portal ID on Microvix
cod_natureza_operacao	CHAR (10)	Transaction Nature Code
descricao	VARCHAR (60)	Description
soma_relatorios	CHAR (1)	Sum in reports (S/N) (yes/no)
operacao	CHAR (2)	Transaction
inativa	CHAR (1)	Inactive (S/N) (yes/no)
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
calcula_ipi	BIT	Indicates whether for this Nature the calculation of the Industrialized Product Tax - IPI is applied: S - yes N - No

calcula_iss	BIT	Indicates whether the calculation of the Service Tax - ISS is applied for this Nature: S - yes N - No
calcula_irrf	BIT	Indicates whether for this Nature the calculation of the Withholding Income Tax - IRRF is applied: S - yes N - No
Type_preco	CHAR (2)	Indicates which field of the product registration will be used by the system when launching a document with this Nature: PV - Sale price, C1 - ICMS cost CT - Total cost VU - Last purchase value CM - Actual average cost
atualiza_custo	CHAR (1)	Field that determines how the ICMS Cost field of the product record should be updated, with the options: N - No S - Replacement cost M - Average Cost. Must be filled when the Transaction = E
transferencia	BIT	Indicates whether the Nature of Transaction refers to an Inter-Branch Transfer Transaction
baixar_estoque	BIT	Indicates whether when posting a document with this Transaction Nature, the system should Do not update product balance
consumo_proprio	BIT	Indicates whether the Nature of Transaction refers to a Transaction of own consumption.
contabiliza_cmv	BIT	Indicates whether, when posting a document with this Transaction Nature, the system should generate an accounting entry with the Cost of Goods Sold (COGS)
despesa	BIT	Indicates that the Nature of Transaction is related to an Expense Transaction and must be accounted for as a Transaction Specific default, which is Expenses (997)
atualiza_custo_medio	BIT	When posting a document with this Transaction Nature, the system should or No update the Average product cost. Applies to inbound operations only.

exige_nf_origem	BIT	When posting a document with this Transaction Nature, the user will be obliged to inform a source document (reference another document). Applies only to return operations.
integra_contabilidade	BIT	When posting a document with this Transaction Nature, an accounting entry should be generated (respecting the Standard Operations of the system) and invoices in the financial
id_obs	INT	Indicates the Standard Observation code that must be related to the Nature of Operation. The ID must be previously registered in: Billing > Auxiliary Registrations > Standard Observations (table moviment_observacoes)
venda_futura	BIT	Indicates that the Nature of Transaction is related to a future delivery Transaction (generates financial, but does not write off inventory) and must be accounted for according to a Transaction Specific default, which is the Third Party Inventory - Future Delivery (62). Should only be activated when Nature No updates stock. It is used by a specific process in the Invoice Issue (old) and Future Delivery (new) routines.
base_icms_considera_ipi	BIT	When posting a document with this Transaction Nature, the system should add the IPI value to the ICMS Calculation Base
permite_escolha_historico	BIT	When posting a document with this Transaction Nature, the system will allow selecting an accounting history manually instead of using the Standard Transaction history. Parameter used by the invoice issuance routine and manual purchase entry and xml (old)
import_produtos	BIT	Indicates that the Transaction Nature is relative to a Goods Import Transaction. Must be used for inbound Transaction only. It is only respected in the manual purchase entry and when activated, it presents Field related to the Import Transaction for the user to fill in.
deposito_reserva_venda	INT	Deposit to reserve merchandise, after sale with future delivery.



exibe_nfe	BIT	When posting a document with this Nature of Transaction must generate NF-e. This parameter should be enabled by default for Outbound and Return Transactions. For input types, it is recommended to check this option only when making an input note with an output series
faturamento_Anticipated	BIT	Indicates that the Transaction Nature is relative to an Anticipated Billing Transaction (generates financials, but does not write off inventory) and must be accounted for according to a specific Default Transaction, which is Anticipated Billing (63). Should only be activated when Nature No updates stock. It is used by a specific process in the routines and Note Issuance (old) and Future Delivery (new).
exibir_informacoes_imposto	BIT	Unique parameter for output natures. Determines the display of information regarding the "Olho no Imposto" (tax law). When checking it, the necessary settings must be made in Company > Global Parameters > General Invoicing > Lei de Olho no Imposto.
gera_garantia_nacional	BIT	When launching a document with this Transaction Nature, the system will generate a National Guarantee for the product, allowing the exchange in any store in the country. Specific parameter of the Chilli Beans network, in which other parameterizations are necessary for the process to happen correctly
transferencia_deposito	BIT	Indicates whether this Transaction Nature can be used in the Transfer between Deposits. The Nature in question must be selected from: Company > Global parameters > Inventory > Transfer between warehouses. There must be a Transaction nature for input and other for output.
venda_diferencial_aliquota	BIT	When posting a document with this Transaction Nature in the system, the Interstate Transaction Rate Differential to No taxpayer (DIFAL) should be calculated. Applies to outbound return outbound operations only. In addition to marking this parameter, it is necessary to inform the tax percentages in the Tax Configuration of the product.
insere_obs_pis_cofins	BIT	Indicates whether a totalizer will be displayed with the values of Pis and Cofins in the Note of the Invoice

diferencial_ativo_consumo	BIT	Indicates that when using this Nature of Transaction, the rate differential calculation related to operations of use and consumption (other configurations will be necessary)
recusa_de	BIT	Indicates whether this Transaction Nature will be used in the Purchase Return Invoice Refusal routine
codigo_ws	VARCHAR (50)	This field exports the code sent in the integration via input ws by Method LinxCadastraNaturezaOperacao.

Method query parameters for **LinxNaturezaOperacao**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
cod_natureza_operacao	No	CHAR (10)	Transaction Nature Code

Method **LinxClasseFiscal** (Retorna fiscal classes.)

Field	Type	Description
portal	INT	Portal ID on Microvix
id_classe_fiscal	SMALLINT	Fiscal Class ID
descricao	VARCHAR (150)	Fiscal Class Description
excluido	BIT	Indicates if the fiscal class will be excluded
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxClasseFiscal**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_classe_fiscal	No	SMALLINT	Fiscal Class ID

Method **LinxCstIcmsFiscal** (Returns information regarding fiscal cst icms):

Field	Type	Description
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portal	INT	Portal ID on Microvix
id_cst_icms_fiscal	SMALLINT	cst icms fiscal ID
cst_icms_fiscal	VARCHAR (4)	cst icms fiscal code
descricao	VARCHAR (150)	cst icms fiscal Description
substituicao_tributaria	BIT	0 – No or 1 – Yes
excluido	BIT	Indicates if csm icms will be excluded
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCstIcmsFiscal**

Field	Obligatory	Type	Observation
cnjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
cst_icms_fiscal	No	VARCHAR (4)	cst icms fiscal code
id_cst_icms_fiscal	No	SMALLINT	cst icms fiscal ID

Method **LinxCsofnFiscal** (Returns information regarding csosn fiscal):

Field	Type	Description ID
portal	INT	Portal ID on Microvix
id_csosn_fiscal	SMALLINT	csosn fiscal id
csosn_fiscal	VARCHAR (5)	csosn fiscal code
descricao	VARCHAR (200)	csosn fiscal description
id_csosn_fiscal_substitutiva	SMALLINT	substitutive tax csosn ID
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCsofnFiscal**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnjEmp	Yes	VARCHAR (14)	Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
id_csosn_fiscal	No	SMALLINT	csosn fiscal ID
csosn_fiscal	No	VARCHAR (5)	csosn fiscal code

Method **LinxCfopFiscal** (Returns information regarding CFOP Fiscal):

Field	Type	Description
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portal	INT	Portal ID on Microvix
id_cfop_fiscal	SMALLINT	cfop fiscal ID
cfop_fiscal	VARCHAR (5)	cfop fiscal code
descricao	VARCHAR (300)	cfop fiscal description
excluido	BIT	Indicates if cfop will be excluded
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCfopFiscal**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
id_cfop_fiscal	No	SMALLINT	cfop fiscal ID
cfop_fiscal	No	VARCHAR (5)	cfop fiscal code

Method **LinxRotinaOrigem** (Returns the routines for the portal):

Field	Type	Description
portal	INT	Portal ID on Microvix
codigo_rotina	TINYINT	Rotine code
descricao_rotina	VARCHAR (150)	Rotine description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Paramêtros de consulta do Method **LinxRotinaOrigem**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
Codigo_rotina	No	TINYINT	Routine Code

Method **LinxPedidosVendaChecklistEntregaLocal** (Returns the types of locations registered in the sales order delivery checklist):

Field	Type	Description
id_checklist_entrega_local	INT	Delivery Location Type ID
descricao	VARCHAR (100)	Delivery Location Type Description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxPedidosVendaChecklistEntregaLocal**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_checklist_entrega_local	No	INT	Delivery Location Type ID

Method **LinxPedidosVendaChecklistEntregaArmazenamento** (Returns the Storage Types registered in the sales order delivery checklist):

Field	Type	Description
id_checklist_entrega_armazenamento	INT	Delivery Storage Type ID
descricao	VARCHAR (100)	Delivery Storage Type Description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxPedidosVendaChecklistEntregaArmazenamento**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
id_checklist_entrega_armazenamento	No	INT	Delivery Storage Type ID

Method **LinxPedidosVendaChecklistEntregaDificuldade** (Returns the Types of difficulties registered in the sales order delivery checklist):

Field	Type	Description
id_checklist_entrega_dificuldades	INT	Delivery difficulties ID
descricao	VARCHAR (100)	Delivery difficulties description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxPedidosVendaChecklistEntregaDificuldade**:

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_checklist_entrega_dificuldade	No	INT	Delivery difficulties ID

Method **LinxSetores** (Returns the sectors registered in the portal):

Field	Type	Description
id_setor	INT	Sector ID
desc_setor	VARCHAR (30)	Sector description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxSetores**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_setor	No	INT	Sector ID

Method **LinxLinhas** (Returns the lines registered at the portal):

Field	Type	Description
id_linha	INT	Identificação da linha
desc_linha	VARCHAR (30)	Description da linha
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxLinhas**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	No	BIGINT	Last Timestamp
id_linha	No	INT	Line ID

Method LinxMarcas (Returns the brand registered at the portal):

Field	Type	Description
id_marca	INT	Brand ID
desc_marca	VARCHAR (30)	Brands description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for LinxMarcas

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_marca	No	INT	Brand ID

Method LinxColecoes (Returns the collections registered at the portal):

Field	Type	Description
id_colecao	INT	Collection ID
desc_colecao	VARCHAR (50)	Collection Description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxColecoes**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_colecao	No	INT	Collection ID

Method **LinxTamanhos** (Returns the sizes registered at the portal):

Field	Type	Description
id_tamanho	VARCHAR (5)	Size ID
desc_tamanho	VARCHAR (50)	Size description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxTamanhos**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ

chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_tamanho	No	INT	Id do tamanho

Method **LinxCores** (Retorna as collor uergistered at rhe portal):

Field	Type	Description
id_cor	INT	Collor identification
desc_cor	VARCHAR (30)	Collor dscription
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCores**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_cor	No	INT	Collor ID

Method **LinxEspessuras** (Returns the fabric thickness registered at the store,

Field	Type	Description
id_espessura	INT	Thickness ID
desc_espessura	VARCHAR (50)	Thickness Description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxEspessuras**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_espessura	No	INT	Thickness ID

Method **LinxClassificacoes** (Returns all the classifications registered at the portal):

Field	Type	Description
id_classificacao	INT	Classification ID
desc_classificacao	VARCHAR (50)	Classification ID
timestamp	BIGINT	Table's Timestamp Ex: "185318313"



Method query parameters for **LinxClassificacoes**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_classificacao	No	INT	Classification ID

Method **LinxUnidades** (Returns the units registered at the portal):

Field	Type	Description
unidade	VARCHAR (50)	Unity
descricao	VARCHAR (200)	Description da unidade
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxUnidades**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
unidade	No	VARCHAR (50)	Unity

Method **LinxRamosAtividade** (Returns the fields of activity registered in the portal):

Field	Type	Description
portal	INT	Portal ID
id_amo_atividade	SMALLINT	Ddetectable activity
Name_amo_atividade	VARCHAR (50)	Activity branch name
codigo_amo_atividade	VARCHAR (12)	Branch of actifity
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxRamosAtividade**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxEcf** (Returns all the ECF registered at the portal):

Field	Type	Description
id_ecf	SMALLINT	ECF ID
loja	INT	Store
ecf	SMALLINT	ECF description
numeroserie	VARCHAR (30)	Serial number
indice_sangria	VARCHAR (4)	cash withdrawal index
modelo	TINYINT	Model
Name	VARCHAR (30)	Name
indice_suprimto	VARCHAR (4)	Cash Supply index
ativo	BIT	Active
indice_sinal	VARCHAR (53)	Signal Index
indice_antecipacao	VARCHAR (50)	Anticipation Index
indice_cartao_credito	VARCHAR (50)	Credit card index
loja_ecf	VARCHAR (50)	ECF Company
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxEcf**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxEcfFormasPagamento** (Returns the payment methods of an ECF):

Field	Type	Description
id_loja_ecf_formas_pgto	INT	Company code ecf payment methods
id_ecf	SMALLINT	ECF ID
cod_forma_pgto	INT	Payment method code
indice_forma	VARCHAR (53)	Payment method Index
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxEcfFormasPagamento**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ

chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxMovimentoGiftCard** (Returns Gift Card data):

Field	Type	Description
loja	INT	Store
data_transacao	SMALLDATETIME	Transaction Date
operacao	TINYINT	Transaction
nsu_cliente	VARCHAR (100)	NSU cliente
nsu_host	VARCHAR (100)	NSU host
valor	MONEY	Amount
json_envio	VARCHAR (MAX)	Json request
json_retorno	VARCHAR (MAX)	Json return
qtde_tentativa	INT	tentative amount
aprovado_barramento	VARCHAR (4)	Approved
estornada	BIT	reversed
codigo_loja	VARCHAR (100)	Store Code
identificador_movimento	UNIQUEIDENTIFIER	Identification Number
numero_cartao	VARCHAR (100)	Card Number
plano	INT	Payment method
ambiente_producao	BIT	Production environment
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoGiftCard**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp
data_inicial	No	DATE	Initial date
data_fim	No	DATE	Final date
identificador	No	UNIQUEIDENTIFIER	identifier
numero_cartao	No	VARCHAR (100)	Card number

Method **LinxProdutosOpticosType** (Returns the Types of optical products):

Field	Type	Description
id_produtos_opticos_Type	INT	Optical Product ID
Type	VARCHAR (100)	Product type
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxProdutosOpticosType**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key to Webservice
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxProdutosSerial** (Retorna os seriais cadastrados no portal):

Field	Type	Description
portal	INT	Portal ID on Microvix
loja	INT	Store
codigoproduto	BIGINT	Product code on Microvix
serial	VARCHAR (50)	Product Code serial
id_deposito	INT	Deposit ID
saldo	BIT	Stock of serial product
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Parâmetros **LinxProdutosSerial**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
codigoproduto	No	BIGINT	Product code on Microvix
serial	No	VARCHAR (50)	Product Code serial
depositos	No	VARCHAR (100)	Deposit Code. Ex.: 1,2,3.

Method **LinxMovimentoRemessas** (Returns the data from the delivery table in the portal):

Field	Description	Formato
portal	INT	Portal ID on Microvix

loja	INT	Store
id_remessas	INT	Delivery ID
id_Type	INT	Delivery type IS from the table remessa_retorno_Types
identificador_remissa	UNIQUEIDENTIFIER	Delivery identifier
status	TINYINT	Delivery status ID
status_descricao	VARCHAR (35)	Delivery status description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoRemessas**

Field	Obligatory	Type	Observation
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
timestamp	Yes	BIGINT	Last Timestamp
id_Type	No	INT	Delivery type IS from the table remessa_retorno_Types
identificador	No	UNIQUEIDENTIFIER	Delivery identifier

Method **LinxMovimentoRemessasItens** (Returns data from the table remessas\_itens in the portal):

Field	Description	Formato
portal	INT	Portal ID on Microvix
loja	INT	Store ID on portal
id_remessas_itens	INT	Delivery items ID
id_remessas	INT	Delivery ID
transacao	INT	Delivery transaction ID
qtde_total	FLOAT	Total qnantity
qtde_venda	FLOAT	Total sale
qtde_devolvido	FLOAT	Total returned
qtde_pendente	FLOAT	Total pending
qtde_pendente_pagamento	FLOAT	Total payment pending
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoRemessasItens**

Field	Type	Observation	Obligatory
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
id_remess	No	INT	Delivery ID
transacao	No	INT	Delivery transaction ID

Method **LinxMovimentoRemessasAcertos** (Returns data from the table remessas\_acertos on portal)

Field	Description	Formato
portal	INT	Portal ID on Microvix
loja	INT	Store ID on portal
id_remessas_acertos	INT	Id of the delivery table hits
id_remessas	INT	Delivery ID
identificador_venda	UNIQUEIDENTIFIER	Sale identifier
identificador_retorno	UNIQUEIDENTIFIER	Returns identifier
identificador_devolucao	UNIQUEIDENTIFIER	Devolution ID
data	SMALLDATETIME	Date
id_vendas_pos	BIGINT	Id from the table vendas_pos
excluido	BIT	Excluded
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoRemessasAcertos**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
data_inicial	No	SMALLDATETIME	Initial date (YYYY-MM-DD)
data_fim	No	SMALLDATETIME	Final date (YYYY-MM-DD)

id_remessas	No	INT	Delivery ID
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Method **LinxBovMovimentoRemessasAcertosItens** (Returns data from the table remessas\_acertos\_itens on portal.):

Field	Description	Formato
portal	INT	Portal ID on Microvix
loja	INT	Store ID on portal
id_remessas_acertos	INT	ID from the table remessas_acertos
transacao	INT	Delivery transaction
qtde_total	FLOAT	Total quantity
id_remissa_operacoes	TINYINT	Transaction type ID from the table remessa_operacoes
id_remessas_itens	INT	ID from the table remessas_itens
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxBovMovimentoRemessasAcertosItens**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
id_remessas_acertos	No	INT	Id from the table remessas_acertos
id_remessas_itens	No	INT	Id from the table remessas_itens
transacao	No	INT	Delivery transaction ID

Method **LinxBovRemessasRetornoTypes** (Returns data from the table remessa\_retorno\_Types on portal.):

Field	Description	Formato
portal	INT	Portal ID on Microvix
id_remissa_retorno_Types	INT	ID from the table remessa_retorno_Types
descricao	VARCHAR (50)	Delivery type description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxRemessasRetornoTypes**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxRemessasOperacoes** (Returns data from the table remessa\_operacoes no portal.):

Field	Description	Formato
portal	INT	Portal ID on Microvix
id_remissa_operacoes	TINYINT	Id from the table remessa_operacoes
descricao	VARCHAR (30)	Transaction description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxRemessasOperacoes**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxLojasParametros** (Retorna parâmetros do portal.):

Field	Description	Formato
portal	INT	Portal ID on Microvix
loja	INT	Store
percentual_minimo_antecipacao	MONEY	Minimum percentage of financial anticipation
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxLojasParametros**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice



cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxSeries** (Retorna as séries cadastradas no portal.):

Field	Description	Formato
portal	INT	Portal ID on Microvix
serie	VARCHAR (10)	Série
id_modelo_nf	INT	NF model ID
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxSeries**

Field	Obligatory	Type	Description
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
id_modelo_nf	No	INT	NF model ID

Method **LinxNFeEvento** (Retorna os dados de eventos de NFe.):

Field	Description	Formato
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
id_nfe_evento	INT	Nf-e event ID
id_nfe	INT	Nf-e ID
codigo_Type	VARCHAR (6)	Type code: 110110 - Electronic Correction Letter - CC-e 110111 - Cancellation Event
xml	VARCHAR (MAX)	XML
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxNFeEvento**

Field	Obligatory	Type	Description
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice

cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
codigo_Type	No	VARCHAR (6)	Type code
id_nfe	No	INT	Nf-e ID

Method **LinxMetasVendedoresDia** (Returns salespeople's goals per day):

Field	Description	Formato
portal	INT	Portal ID on Microvix
cnpj_emp	VARCHAR (14)	Store CNPJ
id_meta	INT	Goal ID
descricao_meta	VARCHAR (50)	Goal Description
data_inicial_meta	SMALLDATETIME	Initial date
data_final_meta	SMALLDATETIME	Final date
dia	SMALLDATETIME	Day
valor_meta_diaria	MONEY	Daily target value
cod_vendedor	INT	Seller code

Method query parameters for **LinxMetasVendedoresDia**

Field	Obligatory	Type	Description
cnpjEmp	Yes	VARCHAR (14)	Access Key ao Webservice
chave	Yes	UNIQUEIDENTIFIER	Must be informed the Store CNPJ
data_inicial_meta	Yes	SMALLDATETIME	Initial date
data_fim_meta	Yes	SMALLDATETIME	Final date
id_meta	No	INT	Goal ID
cod_vendedor	No	INT	Seller code

Method **LinxSpedTypeItem** (Returns SPED type items):

Field	Description	Formato
portal	INT	Portal ID on Microvix
id_sped_Type_item	INT	SPED Type ID
codigo	VARCHAR (2)	Type item code
descricao	VARCHAR (60)	Description Type item
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxSpedTypeItem**

Field	Obligatory	Type	Description
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxRemessasIdentificadores** (Receives the identifier of the sale and returns the relationship with the identifiers of the notes items in the delivery.):

Field	Type	Description
identificador_venda	UNIQUEIDENTIFIER	Sale identifier
identificador_remissa	UNIQUEIDENTIFIER	Delivery identifier
id_remessas	INT	Delivery ID
id_remessas_acertos	INT	Id on the deliveries table
transacao_acerto	INT	Id of the delivery transaction
qtde_total_acerto	FLOAT	Total quantity
identificador_devolucao	UNIQUEIDENTIFIER	Devolution ID
transacao_remissa	INT	Transação remessa
id_remissa_operacoes	TINYINT	Operation delivery ID

Method query parameters for **LinxRemessasIdentificadores**

Field	Obligatory	Type	Description
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
identificador_venda	No	UNIQUEIDENTIFIER	Sale identifier
identificador_devolucao	No	UNIQUEIDENTIFIER	Delivery identifier

**Obs 1:** É obrigatório informar 1 filtro de identificador e somente 1, or seja, No é possível usar os 2 como filtro.

**Obs 2:** When used the filter identificador\_devolucao it will be exported the id\_remissa\_operacoes 1 and 2, When used the filter iidentificador\_venda it will be exported only id\_remissa\_operacoes 3.

Method **LinxTrocaUnificadaResumoVendas** (Returns the sales of the unified exchange)

Field	Type	Description
portal	INT	Portal ID on Microvix
loja	INT	Store ID on portal
id_troca_unificada_resumo_vendas	BIGINT	National Exchange Id
token	VARCHAR (30)	Toke National Exchange Id Sale Summary
identificador	UNIQUEIDENTIFIER	Sele identifier Method LinxMovimento
documento	INT	Tax document number
serie	VARCHAR (10)	Document serie
data_venda	SMALLDATETIME	Sale Date
documento_cliente	VARCHAR (14)	Client CPF or CNPJ
venda_cancelada	BIT	0 = Not cancelada, 1 = Canceled
timestamp	BIGINT	From the table. Ex: "185318313"

**Obs1:** For when the customer uses the central database, only exchanges that have at least 1 item in validity or that the exchange has already been used or regenerated will be exported.

**Obs2:** The Method's return is limited to 10,000 records per query, so it is essential that the search control is done by the timestamp.

Method query parameters for **LinxTrocaUnificadaResumoVendas**

Field	Obligatory	Type	Description
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxTrocaUnificadaResumoVendasItens** (Returns the sales items of the unified exchange)

Field	Type	Description
id_troca_unificada_resumo_vendas_itens	BIGINT	National Exchange Items Id
id_troca_unificada_resumo_vendas	BIGINT	National Exchange Id
codigoproduto	BIGINT	Product code
transacao	INT	Sale Transaction ID

serial	VARCHAR (50)	Serial code
valor_liquido	MONEY	Product Net Value
data_validade	SMALLDATETIME	Validity date
venda_referenciada	BIT	Referenced Sale. 0 = No, 1 = Yes
token_utilizado	BIT	Token used 0 = No, 1 = Yes
quantidade	FLOAT	Product quantity
timestamp	BIGINT	Timestamp da tabela. Ex: "185318313"

Method query parameters for **LinxTrocaUnificadaResumoVendasItens**

Field	Obligatory	Type	Description
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxMovimentoPrincipal** (Returns the main movement data)

Field	Type	Description
id_movimento_principal	INT	Main movement ID
identificador	UNIQUEIDENTIFIER	Movement ID
codigoproduto_manutencao	BIGINT	Product Code maintenance
timestamp	BIGINT	Table timestamp
id_pergunta_venda	INT	Question at the end of the sale ID
id_resposta_venda	INT	Answer at the end of the sale ID

Method query parameters for **LinxMovimentoPrincipal**

Field	Obligatory	Type	Description
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
identificador	No	UNIQUEIDENTIFIER	Sale identifier located at Method LinxMovimento

Method **LinxCupomDesconto** (Returns the data from the `cupom_desconto` table registered in the portal):

Field	Type	Description
portal	INT	Código do Portal no Microvix
loja	INT	Store Code
id_cupom_desconto	INT	Discount coupon registration ID
cupom	VARCHAR (50)	Name if the coupon
descricao	VARCHAR (255)	Discount coupon Registration description
percentual_desconto	FLOAT	Coupon discount percentage
data_inicial_vigencia	DATETIME	Initial vigency date of the coupon
data_final_vigencia	DATETIME	Final vigency date of the coupon
qtde_original	INT	Original amount of coupons
qtde_disponivel	INT	Number of coupons still available
cod_vendedor	INT	Seller code
disponivel	BIT	Cupom Active
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCupomDesconto**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
data_inicial	No	VARCHAR(10)	Initial Vigency date (yyyy-mm-dd)
data_fim	No	VARCHAR(10)	Data do término da vigência (yyyy-mm-dd)
id_cupom_desconto	No	INT	discount coupon code

Method **LinxCupomDescontoVendas** (Returns the discount coupon id, the coupon value and the identifier of the sales that used discount coupons):

Field	Type	Description
portal	INT	Portal code
loja	INT	Store Code
id_cupom_desconto_vendas	INT	Id from the table cupom_desconto_vendas
id_cupom_desconto	INT	Discount coupon registration code
identificador	UNIQUEIDENTIFIER	Sale identifier in the movement table
valor	FLOAT	Value of the discount coupon used in the sale
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxCupomDescontoVendas**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp
identificador	No	UNIQUEIDENTIFIER	Operation identification code
id_cupom_desconto	No	INT	Discount coupon code

Method **LinxTrocaUnificadaResumoBaixa** (Returns the sales of the unified exchange summary)

Field	Type	Description
portal_baixa	INT	Id do portal de baixa no Microvix
loja_baixa	INT	Store ID
cnpj_loja_baixa	VARCHAR (14)	Store CNPJ
id_troca_baixa	INT	unified national exchange ID
id_troca_unificada_resumo_vendas_itens	BIGINT	National Exchange ID Summary Sell Items related with the method LinxTrocaUnificadaResumoVenda sItens

data_troca_baixa	SMALLDATETIME	Return movement date in the method LinxMovimento
transacao_baixa	INT	Related transaction number with the movement of Devolution on the method LinxMovimento
descricao_loja_baixa	VARCHAR (50)	Store description
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

**Obs:** The Method's return is limited to 10,000 records per query, so it is essential that the search control is done by the timestamp.

Method query parameters for **LinxTrocaUnificadaResumoBaixa**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxListagemBalanco** (Retorna a listagem de balanços):

Field	Type	Description
id_balanco	INT	Balance code in Microvix
data	SMALLDATETIME	Inventory date
Name_arquivo	VARCHAR (50)	Inventory file name
processado	CHAR (1)	If the Inventory has been processed S (yes) or N (no)
data_ultimo_processamento	SMALLDATETIME	Release date (when the store indicates that the physical count has been made)
qtde_produtos	INT	Quantity of products in stock
qtde_itens	INT	Number of items counted
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxListagemBalanco:**

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp



Method **LinxProdutosAssociados** (Returns the list of associated products):

Field	Type	Description
portal	NVARCHAR (50)	Portal number
codigoproduto_origem	BIGINT	Product Code on Microvix with association
codigoproduto_associado	BIGINT	Product Code on Microvix that is associated with the source product.
coeficiente_desconto	FLOAT	Discount coefficient applied to the associated product.
timestamp	BIGINT	Table's Timestamp Ex: "185318313"
qtde_item	FLOAT	Number of association items
item_obrigatorio	BIT	Obligatory: 1, No Obligatory: 0

Method query parameters for **LinxProdutosAssociados**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Deverá ser informado o Store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxMovimentoObservacaoCF** (Returns the notes of the tax coupon):

Field	Type	Description
identificador	UNIQUEIDENTIFIER	Transaction ID.
documento_cliente	VARCHAR(14)	Customer document
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoObservacaoCF**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key yo Webservice
cnpjEmp	Yes	VARCHAR (14)	CNPJ Store
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxMovimentoReshop** (Returns movement from Reshop campaigns):

Field	Type	Description
id_movimento_campanha_reshop	INT	Table ID
id_campanha	INT	Reshop campaign id

identificador	UNIQUEIDENTIFIER	Transaction ID.
Name	VARCHAR(200)	Reshop campaign name
descricao	VARCHAR(200)	Reshop campaign
aplicar_desconto_venda	BIT	Discount on sale: 0 = No, 1 = Yes.
valor_desconto_subtotal	MONEY	Subtotal discount amount.
valor_desconto_completo	MONEY	Full discount amount.
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoReshop**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key yo Webservice
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ must be informed
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxMovimentoReshopItens** (Returns Reshop campaign movement items):

Field	Type	Description
id_movimento_campanha_reshop_item	INT	Table ID
id_campanha	INT	Reshop campaign ID
identificador	UNIQUEIDENTIFIER	Transaction ID
valor_unitario	MONEY	Unitary value
valor_desconto_item	MONEY	Item discount value
quantidade	FLOAT	Quantity
valor_original	MONEY	Original valude
timestamp	BIGINT	Table's Timestamp Ex: "185318313"

Method query parameters for **LinxMovimentoReshopItens**:

Field	Obligatory	Type	Observation
chave	Yes	UNIQUEIDENTIFIER	Access Key ao Webservice
cnpjEmp	Yes	VARCHAR (14)	Must be informed the store CNPJ
timestamp	Yes	BIGINT	Last Timestamp

Method **LinxCentroCusto** (Returns the information of the cost centers registered in the portal)

Field	Type	Description
portal	INT	Microvix portal code
loja	INT	Store Code

CNPJ	VARCHAR (14)	Store CNPJ
id_centrocusto	INT	Cost Center ID in Microvix
Name_centrocusto	VARCHAR (50)	Cost center name
ativo	BIT	Indicates whether it is active.1 – Ativo e 0 – Inativo.
timestamp	BIGINT	Table timestamp. Exemplr: "185318313"

#### Method query parameters for **LinxCentroCusto**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Maior timestamp retornado na última consulta

Method **LinxPlanoContas** (Returns the information of the chart of accounts registered in the portal)

Field	Type	Description
portal	INT	Portal code
loja	INT	Store Code
CNPJ	VARCHAR (14)	Store CNPJ
id_conta	INT	Account ID in Microvix
Name_conta	VARCHAR (50)	Accounting account name
sintetica	CHAR (1)	Indicates whether the account is synthetic. S – Yes e N – No
indice	VARCHAR (150)	Ledger account index
ativa	CHAR (1)	Indicates whether the account is active. S – Yes e N – No
fluxo_caixa	CHAR (1)	Indicates whether it is a cash flow account. S - Yes and N - No
conta_contabil	VARCHAR (20)	
id_natureza_conta	INT	Account nature ID in table sped_natureza_conta_contabil. Indicating whether the account is: Asset Accounts, Liability Accounts, Equity, Income Accounts, Compensation Accounts or Others.
conta_bancaria	BIT	Indicates whether it is a bank account. 1 – Yes e 0 – No.
timestamp	BIGINT	Tble timestamp. Ex.: "185318313"

Method query parameters for **LinxPlanoContas**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Bigger timestamp returned in the last query

Method **LinxPerguntaVenda** (Retorna as perguntas no final da venda cadastradas no portal)

Field	Type	Description
portal	INT	Portal code
id_pergunta_venda	INT	Question ID at the end of the sale registered on the portal
descricao_pergunta	VARCHAR (200)	Description of the question at the end of the sale registered in the portal
timestamp	BIGINT	Table timestamp. Ex.: "185318313"

Method query parameters for **LinxPerguntaVenda**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Bigger timestamp returned in the last query

Method **LinxRespostaVenda** (Returns the answers at the end of the sale registered in the portal)

Field	Type	Description
portal	INT	Portal code
id_resposta_venda	INT	Response ID at the end of the sale registered in the portal
descricao_resposta	VARCHAR (100)	Response description at the end of the sale registered in the portal
id_pergunta_venda	INT	"Pergunta no final da venda" ID
timestamp	BIGINT	Table timestamp. Ex.: "185318313"

Method query parameters for **LinxRespostaVenda**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ

Timestamp	Yes	BIGINT	Table timestamp. Ex.: "185318313"
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Method **LinxCfgTributariasLojas** (Returns the contents of the table config\_tributaria\_loja)

Field	Type	Description
portal	INT	Portal code
id_config_tributaria	INT	Tax configuration registration ID in Microvix
loja	INT	Store registration ID on Microvix
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxCfgTributariasLojas**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxCest** (Returns the contents of the table classificacao\_cest\_produto)

Field	Type	Description
portal	INT	Portal code
id_cest	INT	Registration ID in the table
descricao	VARCHAR (700)	CEST description
cest	VARCHAR (10)	CEST code
id_segmento_mercadoria_bem	INT	Registration ID in the table segmento_mercadoria_bem
ativo	BIT	Indicates whether the registration is active. 1 = Active e 0 = Inactive
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxCest**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxCstCofinsFiscal** (Returns the contents of the table cst\_cofins\_fiscal)

Field	Type	Description
portal	INT	Portal code
id_cst_cofins_fiscal	INT	Register ID for CST_COFINS_FISCAL
cst_cofins_fiscal	VARCHAR(4)	Code from the CST_COFINS_FISCAL
descricao	VARCHAR(150)	Description from the CST_COFINS_FISCAL
excluido	BIT	Indicates whether the record is excluded. 1 = Excluded and 0 = Not excluded
inicio_vigencia	DATETIME	Begginig vigency date for CST_COFINS_FISCAL
termino_vigencia	DATETIME	End of vigency date for CST_COFINS_FISCAL
timestamp	BIGINT	Table timestamp. Example: "185318313

Method query parameters for **LinxCstCofinsFiscal**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313

Method **LinxCstIpiFiscal** (Returns the contents of the table cst\_ipi\_fiscal)

Field	Type	Description
portal	INT	Portal code
id_cst_ipi_fiscal	INT	Register ID for CST_IPI_FISCAL
cst_ipi_fiscal	VARCHAR (4)	CST_IPI_FISCAL code
descricao	VARCHAR (150)	CST_IPI_FISCAL description
excluido	BIT	Indicates whether the record is excluded. 1 = Excluded and 0 = Not excluded
inicio_vigencia	DATETIME	Begginig vigency date for CST_IPI_FISCAL
termino_vigencia	DATETIME	End of vigency date for CST_IPI_FISCAL
cst_ipi_fiscal_inverso	VARCHAR (4)	CST_IPI_FISCAL inverse code
timestamp	BIGINT	Table timestamp. Example: "185318313

Method query parameters for **LinxCstIpiFiscal**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key

cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxCstPisFiscal** (Returns the contents of the table cst\_pis\_fiscal)

Field	Type	Description
portal	INT	Portal code
id_cst_pis_fiscal	INT	CST_PIS_FISCAL ID
cst_pis_fiscal	VARCHAR(4)	CST_PIS_FISCAL code
descricao	VARCHAR(150)	CST_PIS_FISCAL description
excluido	BIT	Indicates whether the record is excluded. 1 = Excluded and 0 = Not excluded
inicio_vigencia	DATETIME	Beginning vigency date for CST_PIS_FISCAL
termino_vigencia	DATETIME	End of vigency date for CST_PIS_FISCAL
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxCstPisFiscal**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxEnquadramentoIpi** (Returns the information regarding IPI framework)

Field	Type	Description
portal	INT	Portal code
id_enquadramento_ipi	INT	IPI framework registration ID in Microvix
codigo	CHAR(3)	IPI framework code
descricao	VARCHAR(600)	IPI framework description
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxEnquadramentoIpi**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key

cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxMotivosDesoneracaoIcms** (Returns the contents of the table motivos\_desoneracao\_icms)

Field	Type	Description
portal	INT	Portal code
id_motivos_desoneracao_icms	INT	ICMS exemption reason code
descricao	VARCHAR(200)	Description of the reason for the ICMS exemption
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxMotivosDesoneracaoIcms**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxMovimentoObservacoes** (Returns the contents of the table movimento\_observacoes)

Field	Type	Description
portal	INT	Portal code
id_obs	INT	Observation record ID in Microvix
titulo_obs	VARCHAR (50)	Observation title
descricao_obs	VARCHAR (250)	Observation description
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxMovimentoObservacoes**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxNcm** Returns the contents of the table classificacao\_ncm\_produto)



Field	Type	Description
portal	INT	Portal code
codigo	VARCHAR (20)	NCM code
descricao	VARCHAR (60)	NCM description
codigo_genero	INT	NCM gender code
ativo	BIT	Indicates whether the registration is active. 1 = Active and 0 = Inactive
id_ncm	INT	Registration ID NCM code on Microvix
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxNcm**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

Method **LinxSpedTypeBaseCredito** (Returns the contents of the table sped\_tipo\_base\_credito)

Field	Type	Description
portal	INT	Portal code
id_sped_tipo_base_credito	INT	ID of registration of SPED Type credit base in Microvix table
codigo_sped_tipo_base_credito	VARCHAR (2)	SPED type credit base code
descricao	VARCHAR (150)	Description of SPED type credit base
timestamp	BIGINT	Table timestamp. Example: "185318313"

Method query parameters for **LinxSpedTypeBaseCredito**

Field	Obligatory	Type	Observation
Chave	Yes	UNIQUEIDENTIFIER	Access Key
cnpjEmp	Yes	VARCHAR (14)	Store CNPJ
Timestamp	Yes	BIGINT	Table timestamp. Example: "185318313"

## 6. Output Method Structure Example

```
<?xml version="1.0" encoding="utf-8" ?>
<LinxMicrovix>
```

```
<Authentication user="linx_export" password="linx_export" />
<ResponseFormat>xml</ResponseFormat>
<IdPortal>12345</IdPortal>
<Command>
  <Name>LinxMovimento</Name>
  <Parameters>
    <Parameter id="chave">7d73503f-db26-4112-ac66-94033ac4986P</Parameter>
    <Parameter id="cnpjEmp">9876545678996</Parameter>
    <Parameter id="data_inicial">2021-07-28</Parameter>
    <Parameter id="data_fim">2021-07-29</Parameter>
    <Parameter id="timestamp">0</Parameter>
  </Parameters>
</Command>
</LinxMicrovix>
```

## 7. Restrictions

- In the Method that returns the stock, only the records of products with a non-zero balance will be provided
- In the Method (LinxProdutosDetalhes) that returns the amount of stock, the stock balance of products will only be the current one, at the time of the call;
- The client needs to have in its structure a team specialized in infrastructure/maintenance of WebService and XML.
- Linx Microvix will not process the data provided via WebService;
- **The client needs to have a local base in its structure to store the information extracted from the WebService Methods. This way, you will have much more agility in historical information and guarantee the performance of the API, as you can consult via WebService, only data that have had updates or have been included since the last Timestamp.**
- **TIMESTAMP:** The timestamp in SQL Server is an operations counter, so any changes made to the database will change the timestamp of the data in the table. We use this information as a filter, so that only updated data are always exported. When an initial load is performed, the timestamp will be 0 and the last timestamp returned in this query must be stored, because in the next query it must be informed in the call, and then only data with a larger timestamp will be exported, that is, those that have changed. The timestamp is not UNIX standard.

## 8. Benefits

- Real-time access to MicrovixERP's data structure in any store on a portal
- (may even be within an economic group or franchise network);
- Access the MicrovixERP WebService API from anywhere;

- Security, where any Webservice is restricted with username, password and key;
- Webservice API usage Documentation;
- Update improvements automatically (without prior notice);

## 9. Method Documentation

Updated Methods documentation will always be available at the link below, but the translation is only for the version "v100" the other versions will not be translated.

- <https://share.linx.com.br/pages/viewpage.action?pageId=168641333>

**Chat** - <https://cliente.linx.com.br/livechat/>

**Abertura de chamados** - <https://cliente.linx.com.br/webchamados/>

**Phone numbers:** 3003-6632 / 0800-718-6632

Horário de atendimento:

De segunda à sexta 08:30h às 22:00h (Após 18:00h apenas faturamento parado)

Sábados - 09:00h às 22:00h

Domingos e Feriados nacionais - 10:00h às 20:00h (exceto dias 25/12 e 01/01)



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