**URLS DE ACCESO API TRANSFERENCIAS YA CON SEGURIDAD OAUTH2.0**

Para Banco ITAÚ.

Revisión 1.0

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# INTRODUCCIÓN

## Confidentiality, Copyright, and Disclaimer

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## Acerca de este documento

Este documento provee al lector la explicación de cómo generar un token JWT con Red Hat Single Sign On y posteriormente como enviarlo en una petición a 3scale.

## Audiencia

El presente documento está dirigido al staff técnico del cliente, responsable de las siguientes funciones:

* Arquitectura de aplicaciones
* Analistas
* Desarrolladores,
* etc.

**Control de cambios**

|  |  |  |  |
| --- | --- | --- | --- |
| **Versión** | **Responsable** | **Observaciones** | **Fecha** |
| 1.0 | Lázaro Miguel Coronado Torres | Versión aprobada | 2020/01/07 |

# URLS de acceso API con seguridad

A continuación se listan las URLs y un ejemplo para realizar el consumo del API de transferencias Ya asegurado con el flujo Resource owner Password Credential Grants de OAuth2.0.

## URLs

**Datos para la generación del token de Red Hat SSO:**

**URL token:** <https://sso-itau-itau-co-security.appsqa.itauco.col/auth/realms/realm-api-externo/protocol/openid-connect/token>

**Client ID:** 35df853c

**Client secret:** bc6b7d0a9f9c72c6e1d8a65aef0c37aa

**Grant type:** Client Credentials Grant

**Username: P66858679**

**Password: Z11786557731461771557973650457533418609564239753935718617330653120273323493980l5499715286320399458504537550587554601402830205729707226869853281556880743267**

Ejemplo para solicitar un token con CURL

curl -X POST -H "Content-Type: application/x-www-form-urlencoded" -d "grant\_type=password" -d "client\_id=35df853c" -d "client\_secret=bc6b7d0a9f9c72c6e1d8a65aef0c37aa" -d "scope=sso" -d"username=P66858679" -d"password=Z11786557731461771557973650457533418609564239753935718617330653120273323493980l5499715286320399458504537550587554601402830205729707226869853281556880743267" -k -v <https://sso-itau-itau-co-security.appsqa.itauco.col/auth/realms/realm-api-externo/protocol/openid-connect/token>

Esta petición devuelve un JSON con la información de los tokens, de este JSON se debe obtener el campo access\_token, un ejemplo de la respuesta es:

{"access\_token":"eyJhbGciOiJSUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICJhN0FIOVJNWTFEbDlRUm9kdEY0SlRnaXlCV1NBTHZ6VWxhSjFpZXl5bTRvIn0..fp4evEYXZyRq\_ciulRBgj6DpkTOhPyCAu17j8Us2aNf3yIUdlR2gXVTEFtP7RfE6DD\_SHgA4ZIr81iKJ0g1I4o3d1kPE9epyoLPD\_wHGvem0DvHKv15Qz-kzsI-bJQRYTH6TblEOFcRm08hSNUmN6Obror02Z9j9zKGv1FwFc9lgyUud9xllWOasTtUDf1DKKtSC9FA71QyYHgnVPtAYT\_XpC8URNeTcNJQ0673Q\_Kchdbz7Vb1yLTbWhA2piy03ZNe81jR9NgJJC9i5a5F54Bzn7it6Iy1ODcbpxR2-4NXqJFVqI7X7gghON0c-rbI-vBQhOAPMubBwUgHCcxuOdw","expires\_in":7200,"refresh\_expires\_in":1800,"refresh\_token":"eyJhbGciOiJIUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICIxNWE2OWQwYS1hNjFiLTRlMzgtYTdlZS1mM2VkYTBiZjRhMzcifQ..CD2Jk7NUcVM67uFgP9wVgUGC6lZf2BzL1hAslo16NtE","token\_type":"bearer","not-before-policy":0,"session\_state":"7e51ac72-a37e-4b69-95ed-93a62774285a","scope":"email profile"}

Con la respuesta anterior, se debe guardar el access\_token para hacer los consumos a las APIs, agregándolo en la cabecera "Authentication" con el prefijo "Bearer " (Nótese el espacio), con el fin de autenticarse en el servicio.

Authorization: Bearer {Token generado}

**URLs de acceso para consumir el API**

**Recurso Wallet:**

Método: POST

3scale - Staging:

<https://api-transferencias-ya-api-externo-apicast-staging.appsqa.itauco.col>/

transfers/v1/ach\_transfers/wallets

3scale - Production:

https://api-transferencias-ya-api-externo-apicast-production.appsqa.itauco.col /transfers/v1/ach\_transfers/wallets

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

[https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/transfers/v1/ach\_transfers/ach/credit\_transactions](https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions)

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/transfers/v1/ach\_transfers/ach/credit\_transactions](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions%20)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: GET

3scale - Staging:

[https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/wallets/{wallet\_id}](https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions)

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/wallets/{wallet\_id}](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions%20)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

[https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers](https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions)

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions%20)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

[https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers](https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions)

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions%20)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: GET

3scale - Staging:

[https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers/{signer\_id}](https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions)

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers/{signer\_id}](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions%20)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: GET

3scale - Staging:

[https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers/{signer\_id}](https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions)

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/wallets/{wallet\_id}/signers/{signer\_id}](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.col/transfers/v1/transfers/ach_transfers/credit_transactions%20)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

**Recurso Clients:**

Método: GET

3scale - Staging:

[https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/clients/v1/clients/{clientId}](https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/clients/v1/clients/%7bclientId%7d)

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/{clientId}](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/%7bclientId%7d)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: GET

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /clients/v1/clients/{clientId}/contacts

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/{clientId}/contacts](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/%7bclientId%7d/contacts)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /clients/v1/clients/{clientId}/contacts

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /clients/v1/clients/{clientId}/contacts](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/%7bclientId%7d/contacts)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

**Recurso Transferencias:**

Método: POST

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/transfers

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/transfers](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/%7bclientId%7d/contacts)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/transfers/calculations

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/transfers/calculations](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/%7bclientId%7d/contacts)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: GET

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/transfers/wallets/{wallet\_id}/transactions

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/transfers/wallets/{wallet\_id}/transactions](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/%7bclientId%7d/contacts)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /transfers/v1/ach\_transfers/transfers/wallets/{wallet\_id}/transactions

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /transfers/v1/ach\_transfers/transfers/wallets/{wallet\_id}/transactions](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/clients/v1/clients/%7bclientId%7d/contacts)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

**Recurso: Cuentas**

Método: GET

3scale - Staging:

<https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col/accounts/v1/accounts>

3scale - Production:

<https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts>

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /accounts/v1/accounts/{account\_id}/credit\_transactions

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts/{account\_id}/credit\_transactions](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts/%7baccount_id%7d/credit_transactions)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: DELETE

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /accounts/v1/accounts/{account\_id}/debit\_transactions/{transaction\_id}

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /accounts/v1/accounts/{account\_id}/debit\_transactions/{transaction\_id}](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts/%7baccount_id%7d/credit_transactions)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: DELETE

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /accounts/v1/accounts/{account\_id}/debit\_transactions/{transaction\_id}

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /accounts/v1/accounts/{account\_id}/debit\_transactions/{transaction\_id}](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts/%7baccount_id%7d/credit_transactions)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /accounts/v1/accounts/{account\_id}/debit\_transactions

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /accounts/v1/accounts/{account\_id}/debit\_transactions](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts/%7baccount_id%7d/credit_transactions)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

**Recurso Authentication**

Método: GET

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /authentication/v1/mfa/{mfa\_id}/questions

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /authentication/v1/mfa/{mfa\_id}/questions](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts/%7baccount_id%7d/credit_transactions)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}

Método: POST

3scale - Staging:

https://api-ach-transferencias-api-externo-apicast-staging.appsqa.itauco.col /authentication/v1/mfa/questions

3scale - Production:

[https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co /authentication/v1/mfa/questions](https://api-ach-transferencias-api-externo-apicast-production.appsqa.itauco.co/accounts/v1/accounts/%7baccount_id%7d/credit_transactions)

Headers: Estos headers son de ejemplo se deben reemplazar por lo reales

Authorization: Bearer {Token generado}