



MyCTC

User Guide

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Contact

Trading Certification

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Revision History

Date	Version	Description	Author
August 2020	1.0	First release of MyCTC User Guide	Trading Certification

1. MyCTC

MyCTC is the certification process automation tool for the EntryPoint and UMDF interfaces for the PUMA Trading System on both segments (Equities and Derivatives).

Through MyCTC, market participants and Independent Software Vendors (ISVs) will be able to test and certify their Order Entry and Market Data applications.

MyCTC has a series of advantages when compared to the manual process, such as:

- Independence for the company to run the certification scripts according to its own schedule, it is not mandatory pre-schedule a session with Tradingcertification;
- Automated log retrieve by MyCTC – it is no longer needed to send log files after the certification process;
- Certification process time reduction;
- Test simulator available to run preliminary tests before the certification process;
- Displays error tag on the screen for EntryPoint occurrences.

2. Certification Scripts available

The certification scripts are made up with test scenarios of the functionalities available for the PUMA Trading System.

Available scripts:

- EntryPoint (Bovespa and BM&F segments)

3. Automated Certification Process

MyCTC aims to automate the FIX certification for the Order Entry and Market Data interfaces of the B3's trading system. The certification process comprises completing the certification scripts available at:

http://www.b3.com.br/en_us/solutions/platforms/puma-trading-system/for-developers-and-vendors/how-to-certify/certification-scripts/

3.1. Accessing the Tool

3.1.1. Toll Acces Prerequisites

Create a VPN - MyCTC is only available using a VPN with B3, then, prior to accessing the tool, the participant needs to send an e-mail to contratacao@b3.com.br and request the forms below:

1. Certification environment access request form;
2. Agreement form;
3. VPN request form, if needed;
4. Session request form;
5. VPN form printout.

After the participant sends these items, B3:

1. Validates the connection request form;
2. Creates the VPN access;
3. Creates access sessions to the certification environment;
4. Tradingcertification sends an e-mail to the participant with technical information to configure both the VPN and the sessions.

http://www.b3.com.br/en_us/solutions/platforms/puma-trading-system/for-developers-and-vendors/how-to-certify/automated-process-myctc/



Notes

- The deadline for setting up participant's environment does not lie with B3.
- If the participant already have a VPN and sessions, this step is not necessary.

3.1.2 Tool Access Request

Once the prior phase is completed, the participant should download the MyCTC Connection Request Form on B3's website. The form is described below:

[B]³ BRASIL
BOLSA
BALCÃO

Formulário de Solicitação de Certificação
Certification Request Form

SOLICITAÇÃO/ REQUESTING
INFORMAÇÕES DO PARTICIPANTE/ PARTICIPANT'S INFORMATION

EMPRESA/ COMPANY

CATEGORIA/ CATEGORY

CORRETORA/ BROKERAGE HOUSE

INVESTIDOR/ INVESTOR

ISV

INFORMAÇÕES DA SOLUÇÃO/ SOFTWARE INFORMATION

1. In the item "PARTICIPANT'S INFORMATION" 1 the participant informs the company name and category;

INFORMAÇÕES DA SOLUÇÃO/ SOFTWARE INFORMATION

NOME/ NAME

VERSÃO/ VERSION

FABRICANTE/ MANUFACTURER

PUBLICAR SOLUÇÃO NO SITE DA B3/
PUBLISH SOFTWARE APPLICATION AT B3's WEBSITE? SIM/ YES NÃO/ NO

Se marcado a opção "SIM" após aprovação a solução certificada será publicada no site da B3.
http://www.b3.com.br/pt_br/solucoes/plataformas/puma-trading-system/para-participantes-e-traders/solucoes-certificadas/

If the option "YES" are marked, after the certification approval the software are publish at B3's website.
http://www.b3.com.br/en_us/solutions/platforms/puma-trading-system/for-members-and-traders/certified-solutions/

2. In the item “SOFTWARE INFORMATION” the participant informs the software name, version and manufacturer;

PUMALINK SESSION			
NOME DA SESSÃO/ SESSION NAME	<input type="text"/>	GATEWAY	<input type="text"/>
NOME DA SESSÃO/ SESSION NAME	<input type="text"/>	GATEWAY	<input type="text"/>
NOME DA SESSÃO/ SESSION NAME	<input type="text"/>	GATEWAY	<input type="text"/>
NOME DA SESSÃO/ SESSION NAME	<input type="text"/>	GATEWAY	<input type="text"/>
NOME DA SESSÃO/ SESSION NAME	<input type="text"/>	GATEWAY	<input type="text"/>

3. In the item “PUMALINK SESSION” the participant should describe the owned sessions expected to be available in MyCTC. It is important to stress that the tests should only be carried out in MyCTC with the sessions declared above. If there is any session change, a new form must be sent.

TIPO DE CERTIFICAÇÃO/ CERTIFICATION TYPE				
	SEGMENTO/ SEGMENT		INTERFACES DE NEGOCIAÇÃO/ TRADING INTERFACES	
	BOVESPA/ EQUITIES	BM&F/ DERIVATIVES	DMA	MESA/ DESK
ENTRYPOINT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UMDF PUMA 2.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UMDF CONFLATED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DROPCOPY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SESSÃO SUPERVISORA/ ADMIN SESSION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
API LINE 5.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. In the item “CERTIFICATION TYPE” the participant informs the certification’s type, segment and interface;

DADOS DO USUÁRIO PRIVILEGIADO / PRIVILEGED USER INFORMATION APENAS PARA MyCTC/ ONLY FOR MyCTC	
NOME/ NAME	<input type="text"/>
TELEFONE/ PHONE NUMBER	<input type="text"/>
E-MAIL	<input type="text"/>

5. In the item “PRIVILEGED USER INFORMATION” the participant informs the privileged user information who will access the MyCTC;



Formulário de Solicitação de Certificação

Certification Request Form

ROTEIROS DE CERTIFICAÇÃO/ CERTIFICATION SCRIPTS

ENTRYPOINT

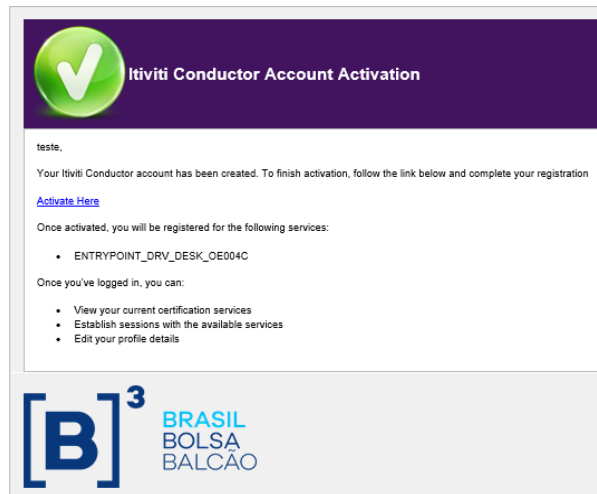
CENÁRIO/ SCENARIO	PASSO/ STEP	CERTIFICAR/ CERTIFY	OBRIGATÓRIO/ MANDATORY
Limit Orders/ Day	A1	<input type="checkbox"/>	Sim/ Yes
Limit Orders/ GTC	A2	<input type="checkbox"/>	Não/ No
Limit Orders/ IOC	A3	<input type="checkbox"/>	Sim/ Yes
Limit Orders/GTD	A4	<input type="checkbox"/>	Não/ No
Limit Orders/FOK	A5	<input type="checkbox"/>	Não/ No
Market to Limit Orders/Day	B1	<input type="checkbox"/>	Não/ No
Market to Limit Orders/GTC	B2	<input type="checkbox"/>	Não/ No
Market to Limit Orders/IOC	B3	<input type="checkbox"/>	Não/ No
Market to Limit Orders/GTD	B4	<input type="checkbox"/>	Não/ No
Market to Limit Orders/FOK	B5	<input type="checkbox"/>	Não/ No
STOP Limit / DAY	C1	<input type="checkbox"/>	Não/ No
STOP Limit /GTC	C2	<input type="checkbox"/>	Não/ No
STOP Limit / GTD	C3	<input type="checkbox"/>	Não/ No
Cross Orders	D	<input type="checkbox"/>	Não/ No
Minimum Quantity	E	<input type="checkbox"/>	Não/ No
Disclosed Quantity	F	<input type="checkbox"/>	Não/ No
Reserved Instrument	G	<input type="checkbox"/>	Sim/ Yes
Market on Close	H	<input type="checkbox"/>	Não/ No

6. In the item “CERTIFICATION SCRIPTS” the participant marks the scenarios that need to certify;

The participant should fill with their basic information as seen in the images above, and also with the privileged user’s information. After filling the form send to tradingcertification@b3.com.br

3.1.3. Acces Confirmation

Once the steps described previously are finished, the user registered in MyCTC will receive a similar e-mail to the one below:



This e-mail contains a link to activate the user's account, services description available for the user, a link to add the MyCTC login page to your favorite browser and the tasks they will be able to perform.

3.1.4. Session Configuration

Sessions used for the automated certification process must connect to an specific IP address and port, different than the ones used on certification environment.

The port that needs to be used depends on the gateway which the session is allocated.

Example:

A session allocated at the Gateway OE004C needs to connect on IP 200.19.60.200 and port 61134.

GATEWAY	SERVICE	IP	PORT
OE003C	ENTRYPOINT_DRV_DESK_OE003C/ENTRYPOINT_DRV_DMA_OE003C	200.19.60.200	61131
OE004C	ENTRYPOINT_DRV_DESK_OE004C/ENTRYPOINT_DRV_DMA_OE004C	200.19.60.200	61134
OE005C	ENTRYPOINT_DRV_DMA_OE005C/ENTRYPOINT_DRV_DESK_OE005C	200.19.60.200	61139
OE006C	ENTRYPOINT_DRV_DMA_OE006C/ENTRYPOINT_DRV_DESK_OE006C	200.19.60.200	61140
OE007C	ENTRYPOINT_DRV_DESK_OE007C/ENTRYPOINT_DRV_DMA_OE007C	200.19.60.200	61121
OE008C	ENTRYPOINT_DRV_DESK_OE008C/ENTRYPOINT_DRV_DMA_OE008C	200.19.60.200	61122
OE009C	ENTRYPOINT_DRV_DESK_OE009C/ENTRYPOINT_DRV_DMA_OE009C	200.19.60.200	61124
OE010C	ENTRYPOINT_DRV_DESK_OE010C/ENTRYPOINT_DRV_DMA_OE010C	200.19.60.200	61125
OE011C	ENTRYPOINT_DRV_DESK_OE011C/ENTRYPOINT_DRV_DMA_OE011C	200.19.60.200	61126
OE012C	ENTRYPOINT_DRV_DESK_OE012C/ENTRYPOINT_DRV_DMA_OE012C	200.19.60.200	61127
OE013C	ENTRYPOINT_DRV_DESK_OE013C/ENTRYPOINT_DRV_DMA_OE013C	200.19.60.200	61128
OE014C	ENTRYPOINT_DRV_DESK_OE014C/ENTRYPOINT_DRV_DMA_OE014C	200.19.60.200	61129
OE101C	ENTRYPOINT_EQT_DMA_OE101C/ENTRYPOINT_EQT_DESK_OE101C	200.19.60.200	61144
OE102C	ENTRYPOINT_EQT_DMA_OE102C/ENTRYPOINT_EQT_DESK_OE102C	200.19.60.200	61137
OE103C	ENTRYPOINT_EQT_DMA_OE103C/ENTRYPOINT_EQT_DESK_OE103C	200.19.60.200	61135
OE104C	ENTRYPOINT_EQT_DMA_OE104C/ENTRYPOINT_EQT_DESK_OE104C	200.19.60.200	61133
OE105C	ENTRYPOINT_EQT_DMA_OE105C/ENTRYPOINT_EQT_DESK_OE105C	200.19.60.200	61132
OE106C	ENTRYPOINT_EQT_DMA_OE106C/ENTRYPOINT_EQT_DESK_OE106C	200.19.60.200	61120
OE107C	ENTRYPOINT_EQT_DMA_OE107C/ENTRYPOINT_EQT_DESK_OE107C	200.19.60.200	61130
OE108C	ENTRYPOINT_EQT_DMA_OE108C/ENTRYPOINT_EQT_DESK_OE108C	200.19.60.200	61138
OE109C	ENTRYPOINT_EQT_DMA_OE109C/ENTRYPOINT_EQT_DESK_OE109C	200.19.60.200	61141
OE110C	ENTRYPOINT_EQT_DMA_OE110C/ENTRYPOINT_EQT_DESK_OE110C	200.19.60.200	61142
OE111C	ENTRYPOINT_EQT_DMA_OE111C/ENTRYPOINT_EQT_DESK_OE111C	200.19.60.200	61143

3.1.5. Tool Access

To access the application use the following URL:

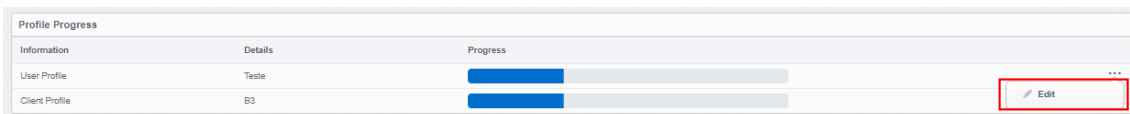
<https://myctc.trd.cert.bvmfnet.com.br/>

3.2. Password Configuration

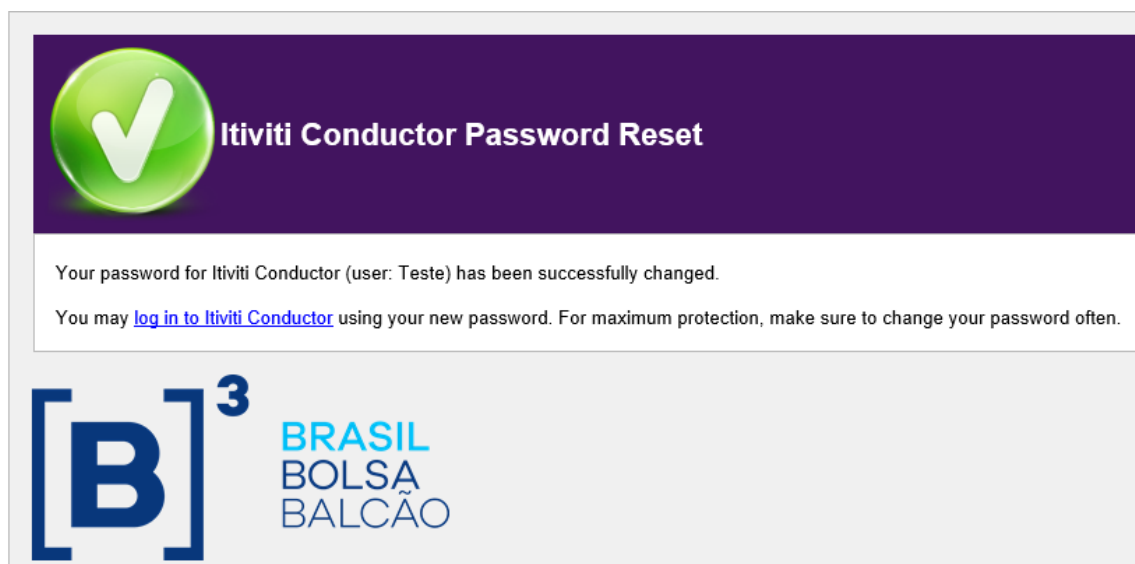
3.2.1. Change Password

To change a password:

1. On the client dashboard, under “*Profile and Questionnaire Progress*’ tab, click on Edit;



2. Scroll the screen till the end and click “*Change Password*”;
3. Enter the old password, the new one and confirm it;

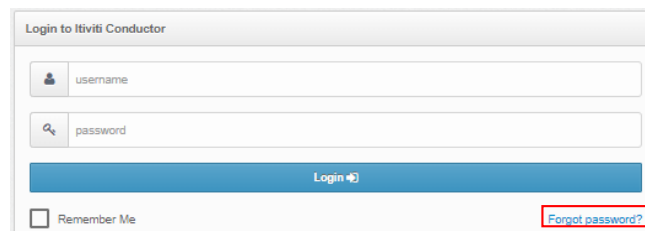


4. Click on “*Change Password*’ to save the new password;
5. A notification will be sent to the user’s account registered e-mail.

3.2.2 Reset Password

If a password is forgotten, it can be reset and a new one can be sent to the registered user's account e-mail. To reset the password, follow the steps below:

1. On the login screen, click on "*Forgot Password*";



Login to Itiviti Conductor

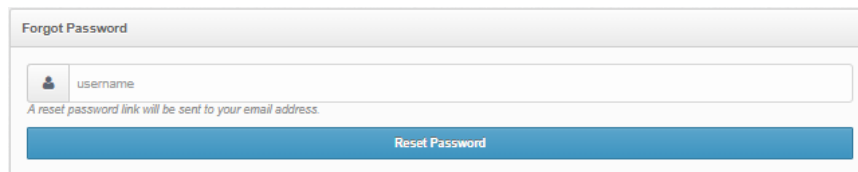
username

password

Login

Remember Me [Forgot password?](#)

2. Enter the user's name and click on "*Reset Password*";



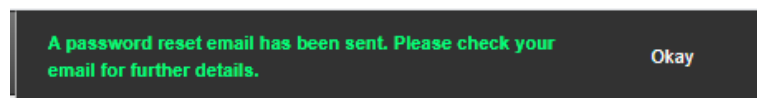
Forgot Password

username

A reset password link will be sent to your email address.

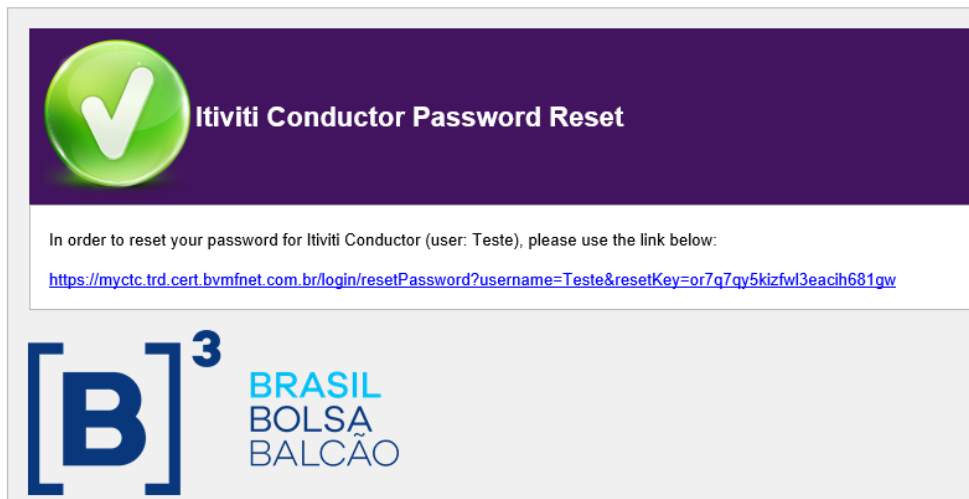
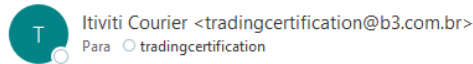
Reset Password

3. A confirmation message will be displayed. Click on "*Continue*" to return to the user dashboard;



- A message containing the new password will be sent to the registered user's account e-mail.

Itiviti Conductor Password Reset



3.3. Certification Run

To start the certification:

- On the client dashboard click the “*Begin Certifying*” button next to a service.

Certification Progress			
Service	Next Step	Progress	Last Activity
▼ ENTRYPOINT_DRV_DMA_OE004C	Begin Certifying	<div style="width: 50%;"></div>	(No Activity)

- Click on “*Enter Application Details*” button to inform the application name and version.

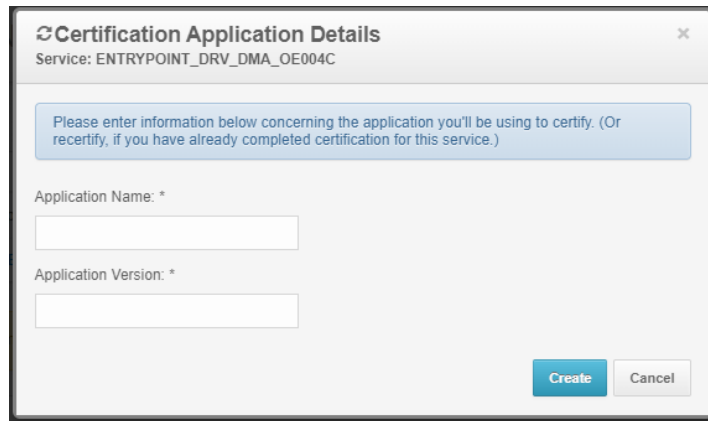
B3 Certification - ENTRYPOINT_EQT_DMA_OE104C Certification Progress: [Reset Certification](#)

[Back to User page](#) Certification for Client Bolsa

Interfaces and Sessions

Interface	Client	Specs	SenderCompID	TargetCompID	Port	Hub Mode Expression
OE104C	B3	OErx44 ↗	UATBB104C	OE104C	61133	N/A

[Enter Application Details](#) Please provide the name and version of the application you're using to certify



Certification Application Details [X]

Service: ENTRYPOINT_DRV_DMA_OE004C

Please enter information below concerning the application you'll be using to certify. (Or recertify, if you have already completed certification for this service.)

Application Name: *

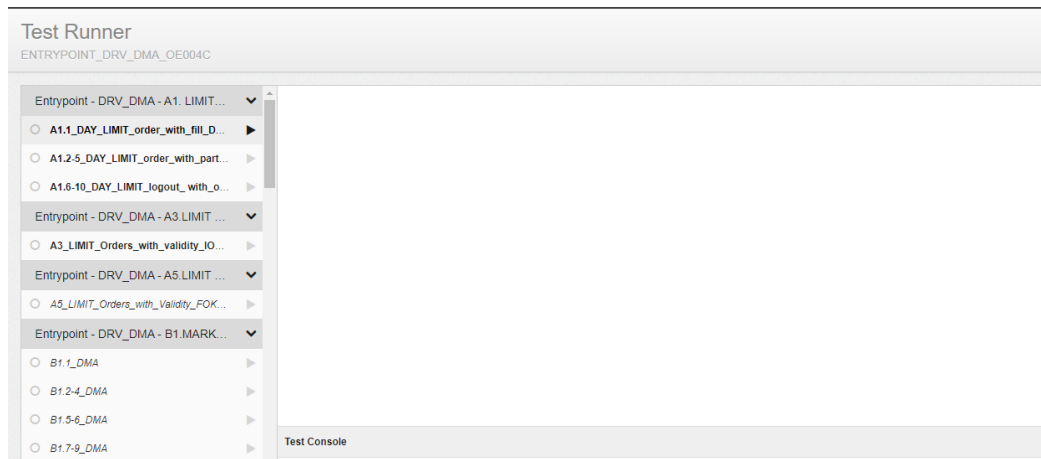
Application Version: *

[Create](#) [Cancel](#)

3. Click the “Run Test” button next to a test case.

Showing: All Test Cases				
Test Suite	Test Case	Last Run	Required	Result
Entrypoint - DRV_DMA - A1. LIMIT Orders with Validity Day	A1.1_DAY_LIMIT_order_with_fill_DMA_DRV	(Never)	Required	untested

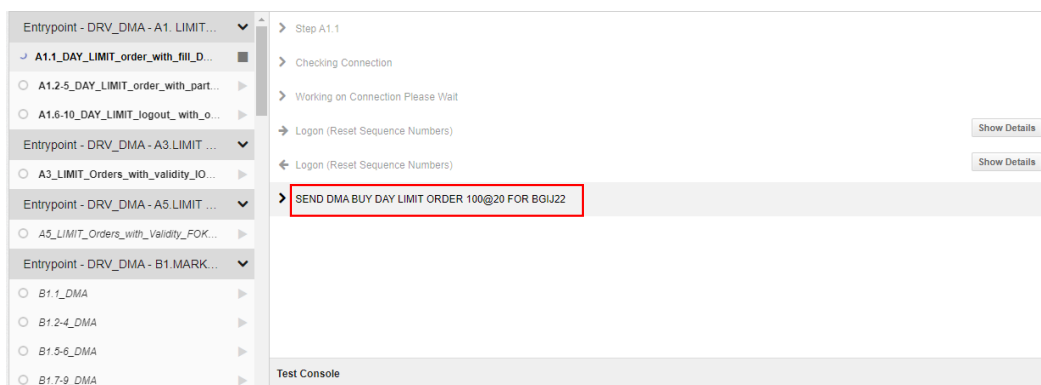
4. Click the “play” button next to scenario. The test will start and after the test completes, the test console will display whether the test passed or failed;



Test Runner
ENTRYPOINT_DRV_DMA_OE004C

- Entrypoint - DRV_DMA - A1. LIMIT...
 - A1.1_DAY_LIMIT_order_with_fill_D... ▶
 - A1.2-5_DAY_LIMIT_order_with_part... ▶
 - A1.6-10_DAY_LIMIT_logout_with_o... ▶
- Entrypoint - DRV_DMA - A3. LIMIT ...
 - A3_LIMIT_Orders_with_validity_IO... ▶
- Entrypoint - DRV_DMA - A5. LIMIT ...
 - A5_LIMIT_Orders_with Validity_FOK... ▶
- Entrypoint - DRV_DMA - B1. MARK...
 - B1.1_DMA ▶
 - B1.2-4_DMA ▶
 - B1.5-6_DMA ▶
 - B1.7-9_DMA ▶

Test Console



- Entrypoint - DRV_DMA - A1. LIMIT...
 - A1.1_DAY_LIMIT_order_with_fill_D... ▶
 - Step A1.1
 - Checking Connection ▶
 - Working on Connection Please Wait ▶
 - Logon (Reset Sequence Numbers) ▶ [Show Details](#)
 - Logon (Reset Sequence Numbers) ◀ [Show Details](#)
 - SEND DMA BUY DAY LIMIT ORDER 100@20 FOR BGIJ22

Test Console

In the above instruction (scenario A1.1 of the EntryPoint certification) the system requests the order:

- Type: Limit Order
- TimeInForce: Day
- Side: Buy
- Quantity: 100
- Price: 20
- Symbol: BGIJ22

5. While the test runs, MyCTC will be updated according to the client's activity.

If the order is correct, the system goes to the next instruction or informs that scenario is completed.

The screenshot displays a test console interface. On the left, a tree view shows the test steps: 'Entrypoint - DRV_DMA - A1. LIMIT...' is expanded, and 'A1.1_DAY_LIMIT_order_with_fill_D...' is selected and marked with a green checkmark. Below it, other steps like 'A1.2-5_DAY_LIMIT_order_with_part...', 'A1.6-10_DAY_LIMIT_logout_with_o...', 'Entrypoint - DRV_DMA - A3.LIMIT ...', 'A3.LIMIT_Orders_with_validity_IO...', 'Entrypoint - DRV_DMA - A5.LIMIT ...', 'A5.LIMIT_Orders_with_validity_FOK...', 'Entrypoint - DRV_DMA - B1.MARK...', 'B1.1_DMA', 'B1.2-4_DMA', 'B1.5-6_DMA', 'B1.7-9_DMA', and 'Entrypoint - DRV_DMA - B3.MARK...' are listed. The main console area on the right shows the following log entries: 'Step A1.1', 'Checking Connection', 'Connection Ready', 'SEND DMA BUY DAY LIMIT ORDER 100@20 FOR BGIJ22', 'New Order 20200729153635003: Buy 100 BGIJ22 @ 20' (with a 'Show Details' button), 'Execution Report of type 'New' for order 20200729153635003', 'New Order ClOrdID2019: Sell 100 BGIJ22 @ 20' (with a 'Show Details' button), 'Execution Report of type 'New' for order ClOrdID2019', 'Execution Report of type 'Trade (partial fill or fill)' for order 20200729153635003 @ 20. LastQty = 100, OrderQty = 100, 0 remaining' (with a 'Show Details' button), 'TEST PASSED', and 'Test Console'. At the bottom, a green checkmark indicates 'The test passed'.

If the order is incorrect, the system informs the test failed.

The screenshot displays a test console interface. On the left, a tree view shows the test steps: 'Entrypoint - DRV_DMA - A1. LIMIT...' is expanded, and 'A1.1_DAY_LIMIT_order_with_fill_D...' is selected and marked with a red 'X'. Below it, other steps like 'A1.2-5_DAY_LIMIT_order_with_part...', 'A1.6-10_DAY_LIMIT_logout_with_o...', 'Entrypoint - DRV_DMA - A3.LIMIT ...', 'A3.LIMIT_Orders_with_validity_IO...', 'Entrypoint - DRV_DMA - A5.LIMIT ...', 'A5.LIMIT_Orders_with_validity_FOK...', 'Entrypoint - DRV_DMA - B1.MARK...', 'B1.1_DMA', 'B1.2-4_DMA', 'B1.5-6_DMA', 'B1.7-9_DMA', and 'Entrypoint - DRV_DMA - B3.MARK...' are listed. The main console area on the right shows the following log entries: 'Step A1.1', 'Checking Connection', 'Connection Ready', 'SEND DMA BUY DAY LIMIT ORDER 100@20 FOR BGIJ22', and 'Expected value of 'OrderQty' to be equal to '100' but '200' was provided' (with a 'Show Details' button). Below this, the 'Test Console' section shows a red 'X' indicating 'The test failed'.

3.3.1. Test Messages Details

The button “*Show Details*” on each message can be activated at any time to display the details of a specific message.

→ New Order 20200729154401996: Buy 100 BGIJ22 @ 20

Show Details

3.3.2. Analyzing failure in the execution of scenarios

If an error occurs during the tests, it will be displayed in details when the showing details button is pressed.

It is possible to compare the sent value for a tag (“Actual” column) with the expected value (“Expected” column).

The screenshot displays a test execution interface. On the left, a list of steps shows the test reaching a failure point: "Expected value of 'OrderQty' to be equal to '100' but '200' was provided". Below this, a "Test Console" shows the message: "The test failed". On the right, a "Message Expectations" window is open, showing a table comparing the actual values received from the system against the expected values for various FIX tags. The "OrderQty" tag is highlighted in red, indicating a mismatch where the actual value is 200 and the expected value is 100.

Field	Actual	Expected
BeginString (8)	FIX.4.4	FIX.4.4
BodyLength (9)	224	224
SenderCompID (49)	UATCERT004C	UATCERT004C
TargetCompID (56)	OE004C	OE004C
Account (1)	999999	999999
Symbol (55)	BGIJ22	BGIJ22
OrderQty (38)	200	100
OrdType (40)	2 - Limit	2 - Limit
Price (44)	20	20
Side (54)	1 - Buy	1 - Buy
TimelnForce (59)	0 - Day	0 - Day
Checksum (10)	158	158

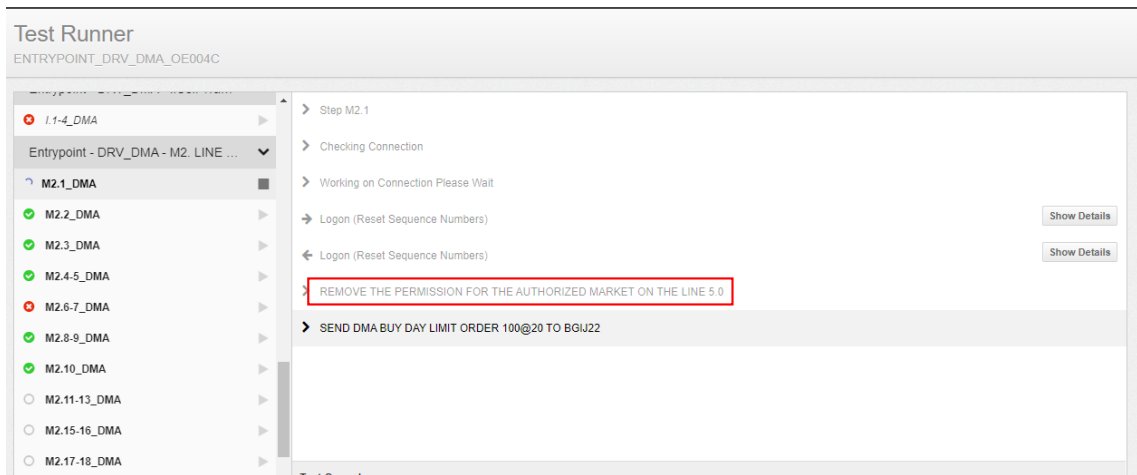
In this scenario the test failed because the system requested a buy order with quantity 100 and the quantity sent was 200.

3.3.3. Line Scenarios (M1 e M2)

For the Line 5.0 scenarios, it is necessary to have access to the LINE portal or an API to attribute limits that will be used on the tests.

*If you do not have access to the LINE web portal or to the API to configure limits, you can ask an access to Trading Certification team, for more details above LINE system the guide are available at:

http://www.b3.com.br/en_us/solutions/platforms/risk-management/line-5/specification/



In this example the system requests the user to remove authorized market permissions.

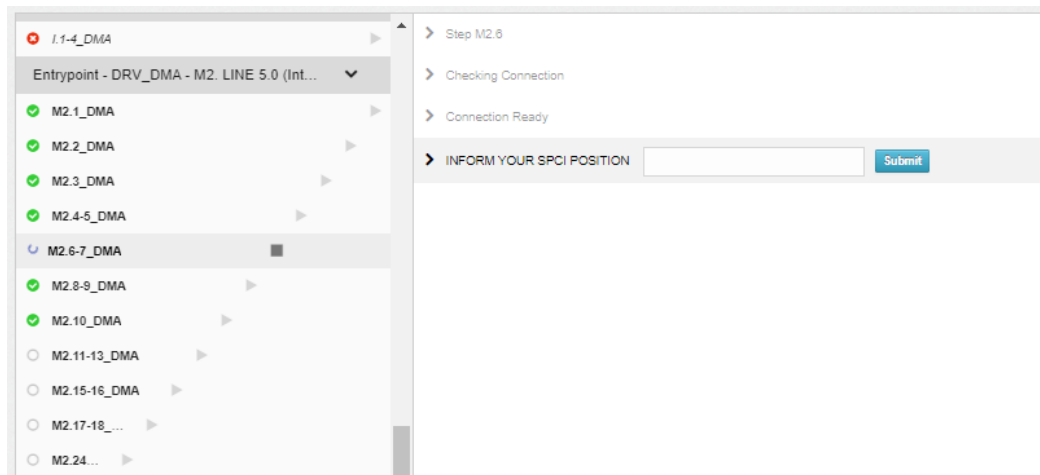
Global Mercados SPCI/SPVI STD TMOC/TMOV Documentos

Grupos	C/V	SPCI	SPVI	TMOC	TMOV	Remover
82 - Ouro	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
83 - Demais Futuros de Índices de Ações	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
84 - Opções sobre Fut. Ind. de Ações	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
85 - Futuros de Agronegócios	-	Não Definido	Não Definido	Não Definido	Não Definido	
86 - Opções sobre Futuros de Agronegócios	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
87 - Demais Moedas	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
88 - Demais Futuros Financeiros	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
89 - Opções Demais Fut. Financeiros	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
90 - Outros (BM&F)	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
91 - Outros Instrumentos	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
92 - Contrato Futuro de Índice Líquido	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	

Inicio Ant. 1 2 3 Seg. Último

Salvar Cancelar

✓ Limites de Mercado salvos com sucesso



In this example the system requests the user to inform you position on SPCI metrics.

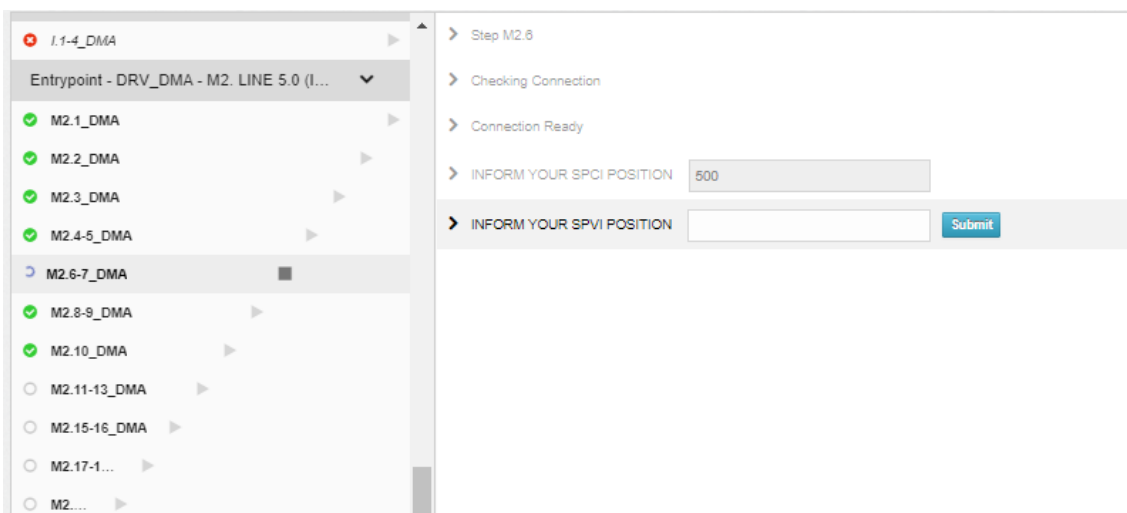
It is possible to take this information on the “Ranking de consumo” screen:

Corretora	Métrica	Entidade	Limite	Consumo atual entre 0 e 100 %			Máximo consumo entre 0 e 100 %		
				Hora	Valor	%	Hora	Valor	%
935-CTC TESTE	SPCI BGIJ22	Doc. 45528788890074	800.000.000	16:07:19	500	0,00%	16:04:28	700	0,00%

Última atualização às 16:07:30

Conexões do Ranking de Consumo

In this case the value for this metric is 500.



At this time, the system requests the SPVI position.

When the query returns blank, it means that the position is zero.

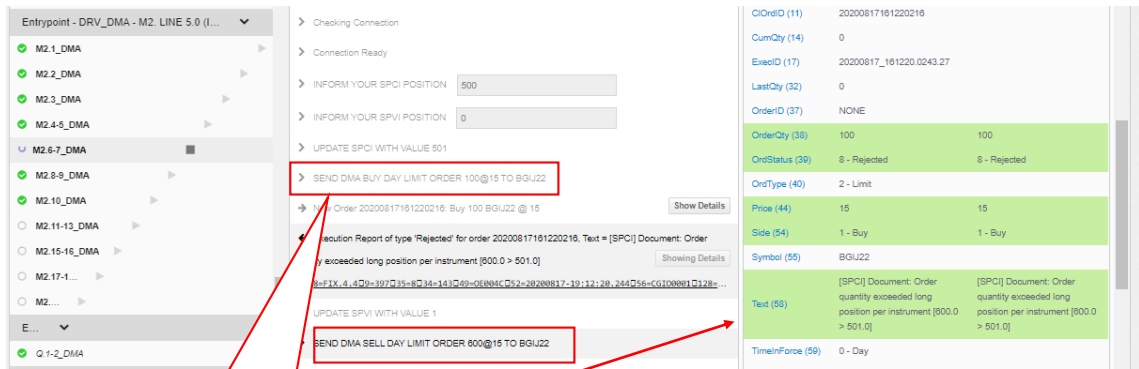
The system requests to change the SPCI metric limit to 501.

Grupos	C/V	SPCI	SPVI	TMOC	TMOV	Remover
82 - Duro	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
83 - Demais Futuros de Índices de Ações	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
84 - Opções sobre Fut. Ind. de Ações	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
85 - Futuros de Agronegócios	C/V	501	999.999.999.999	999.999.999.999	999.999.999.999	
86 - Opções sobre Futuros de Agronegócios	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
87 - Demais Moedas	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
88 - Demais Futuros Financeiros	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
89 - Opções Demais Fut. Financeiros	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
90 - Outros (BM&F)	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
91 - Outros Instrumentos	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
92 - Contrato Futuro de Índice Líquido	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	

Global Mercados SPCI/SPVI STD TMOC/TMOV Documentos

Inicio Ant 1 2 3 Seg. Último Salvar Cancelar

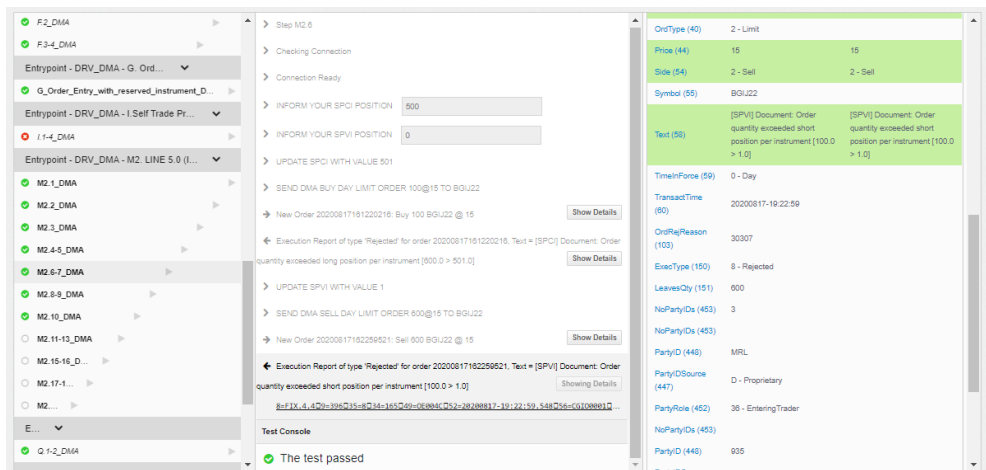
✓ Limites de Mercado salvos com sucesso.



System requests a buy order who will be **rejected** for ultrapass the SPCI metric.

After this order, the system requests to change the SPVI metric to 1 and requests a sell order which will be rejected by SPVI metric.

Grupos	C/V	SPCI	SPVI	TMOG	TMOV	Remove
82 - Ouro	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
83 - Demais Futuros de Índices de Ações	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
84 - Opções sobre Fut. Ind. de Ações	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
85 - Futuros de Agronegócios	C/V	501	1	999.999.999.999	999.999.999.999	
86 - Opções sobre Futuros de Agronegócios	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
87 - Demais Moedas	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
88 - Demais Futuros Financeiros	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
89 - Opções Demais Fut. Financeiros	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
90 - Outros (BM&F)	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
91 - Outros Instrumentos	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	
92 - Contrato Futuro de Índice Líquido	C/V	999.999.999.999	999.999.999.999	999.999.999.999	999.999.999.999	



3.4. Completing the Certification

Once the mandatory scenarios are completed, the option “complete certification” will be enabled. To complete the certification, click on “*Complete Certification*” button, If you also want to execute the non mandatory scenarios during this process, click on “*Continue Certifying*” button.

Certification Progress			
Service	Next Step	Progress	
<input type="checkbox"/> ENTRYPOINT_DRV_DMA_OE004C	<input type="button" value="Continue Certifying"/>	<input checked="" type="checkbox"/> Complete Certification	<div style="width: 100%; height: 10px; background-color: #4CAF50;"></div>

3.4.1. Finish the Certification

- The client will no longer be able to run tests; their certification will be blocked.
- A message is sent by e-mail to the administrator (Trading Certification) and to the client, reporting that the client has completed the certification successfully.



Certification Progress			
Service	Next Step	Progress	Last Activity
<input type="checkbox"/> ENTRYPOINT_DRV_DMA_OE004C	<input type="button" value="Recertify"/>	<div style="width: 100%; height: 10px; background-color: #4CAF50;"></div>	M2.24_DMA passed for service [1] and client [B3] by gleite

Service Version	Application Name	Application Version	Status	Date Started	Date Completed	Archived Report
(Initial Version)	Teste	1.0	FINALIZED	29 Jul 2020 15:07:13	29 Jul 2020 16:09:32	Download

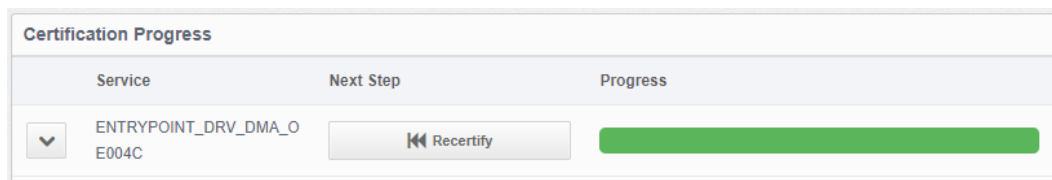
Once the certification process is completed, it is possible to download the report.

3.5. Recertification

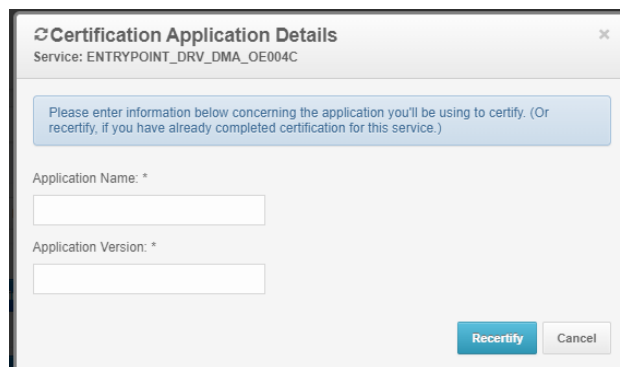
If a client wants to do new optional tests after to complete the certification process, they will need to go through the recertification process. The same process should be executed to certify a new application.

***NOTE.:** by recertifying, the progress of all the tests will be reseted to 0%, including the required ones.

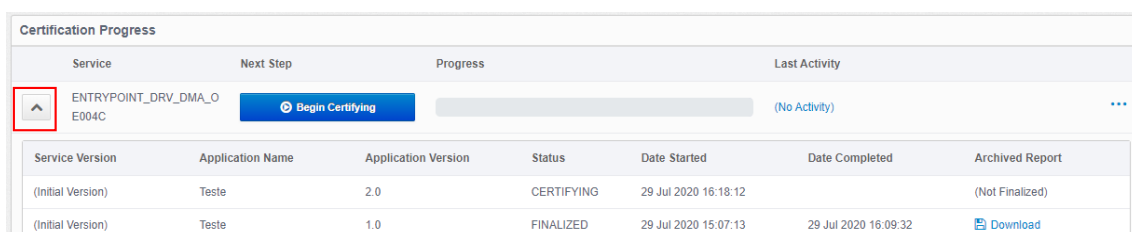
On the client dashboard, after a certification is completed, a Recertify button option will be presented. The progress of existing certifications **will be deleted** allowing the user to start a certification from the beginning.



When a client choose to recertify, the user needs to inform again the application name and version:



It is possible to see a certification history by clicking on the button just in the left of the service name, as shown in the picture below.



3.6. Sandbox Mode

Any certification test can be run in “Sandbox Mode” starting from the user’s page. By running certification tests in this mode, neither failed nor successful tests are registered. **Sandbox mode allows the clients to run the tests without changing their existing certification progresses.** That is helpful in cases where the client has finished the routines or systems which are expected to be tested but whose versions are not ready for production yet. (So, on this mode all tests will not be treated for the certification process).

