New Registry on Scripless Securities (nRoSS)

Bureau of the Treasury

6 September, 2017

Welcome Remarks

Bureau of the Treasury

6 September, 2017

Agenda

nRoSS updates
nROSS IT related activities Overview:
Participant Access
Token Deployment
BCP – secondary access link
Parallel Run
Helpdesk
Indicative Timeline
Q & A

nRoSS Update

nRoSS Updates:

nROSS Project

Implementation of a web-based CSD system that uses the latest technology tools and will conform to industry best practices and communication standards. The system will consolidate the auction and registry information for data mining and analytics to support policy-making activities of the BTr.

HIGH LEVEL PROJECT SCHEDULE

``	Milestone	Planned Start Date	Actual Start Date	Planned End	Actual End/ Revised
100%	**PHASE 1** - Inception Phase	5-Jan-16	25-Jan-16	29-Jan-16	29-Jul-16
100%	**Phase 2** - Hardware and Software Procurement, Installation	23-Feb-16	23-Feb-16	17-Jun-16	14-Jul-16
100%	**Phase 3A** - Software Customization Ver.0	5-May-16	4-Jul-16	21-Oct-16	23-Sep-16
75%	**Phase 4A** - Implementation Ver.0	3-Oct-16	3-Oct-16	**27-Oct-17**	

Completed

Implementation Status

Project Activity	Status
Participant Training	- Done
Participant UAT	- Done
BTr Internal UAT	
Linkages- BSP & PDEX	nROSS can receive/send/validate settlement clearing transactions from both stakeholders (E2E)
Participant Connectivity	101/103 connected
Data Migration	-4 test pass completed. - BTr internal testing ongoing
Documentation	1. Registry rules - final review 2. Participation Agreement – final review 3. System Rules-Review ongoing 4.Participant User Manual- final review
HELPDESK	Operational
DR Site	Installation and Commissioning ongoing

Participant Access

nRoSS Connectivity

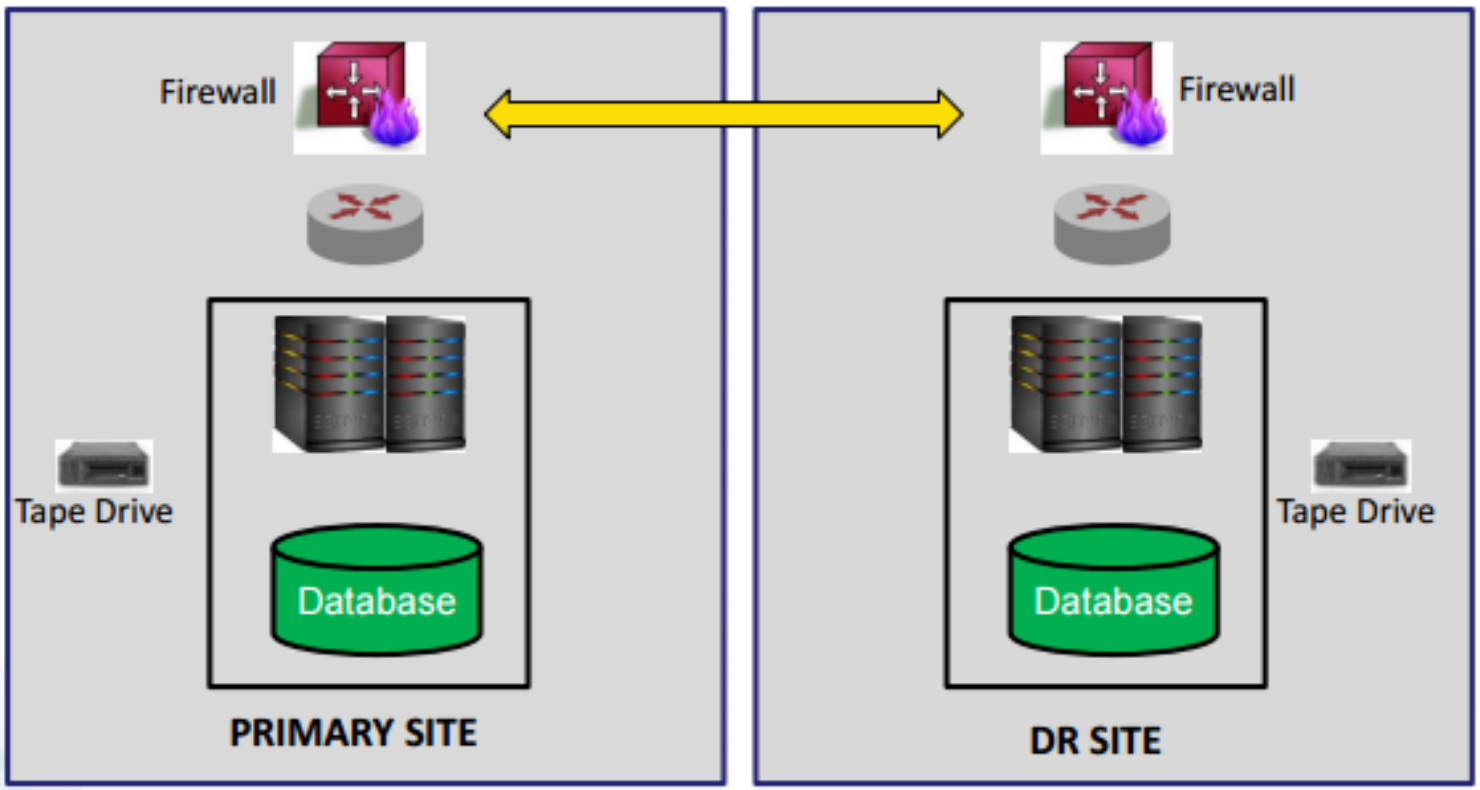
BSP PhilPaSS

PDS Gateway

VPN

Primary Link

Participant/s



nRoSS Connectivity

Requirements for Participant Access to nRoSS:

- ✓ Establish internal network routing and appropriate access rights
- ✓ Allow access to USB ports
- ✓ Install client authentication software to the access device

Token Management

eToken Kit

A. eToken

B. CD Installer

   a. SafeNet Client Software

   b. How to Install SafeNet Client Software

C. Sealed Envelop

   a. eToken Admin Password

   b. eToken User Password

D. Acknowledgement Receipt Form

What is an eToken?

- SafeNet eToken 5110 offers two-factor authentication for secure remote and network access, as well as certificate-based support for advanced security applications.

Use of eToken

A. The eToken is used in tandem with the issued Username/Password to authenticate Users to nRoSS and to digitally sign certain electronic messages used in the system.

B. The SafeNet eToken 5110 or eToken for short, contains the digital certificate that will enable an authorized User to access the nRoSS infrastructure and network. The eToken shall be inserted into a designated nRoSS workstation at the Participant's site in order to log in. This eToken must not be inserted into any other device other than the designated nRoSS workstation.

C. Access to the nRoSS system can only be obtained with the appropriate use of the eToken.

D. The Systems Administrator of BTr-Management Information Systems Service (MISS) shall execute the configuration of the eToken for every enrolled User.

   a. The default eToken password for Participant User and Admin will be provided by the BTr-MISS Systems Administrator.

   b. Participant User and Admin should change the default password upon first login.

eToken Password Policy

A. Minimum Length (characters) = 8
B. Maximum Retry Count (Users) = 5
C. Total Complexity at least = 3
D. Maximum Retry Count (Admin) = 5

eToken Password Reset

- Maximum Retry Count (Users) = 5
  - In case of User password locked out, the Participant eToken Security Administrator can reset the User password and unlock the eToken
- Maximum Retry Count (Admin) = 5
  - In case of Admin password locked out, the eToken must be returned to the BTr-MISS System Administrator to initialize/reset the eToken and install a new digital certificate for reissuance

eToken Handling

A. Loss of eToken

a. Participants must immediately report any case of lost or stolen eToken to the BTr Help Desk. The BTr-MISS Systems Administrator will immediately revoke the certificate authority to prevent unauthorized access to nRoSS.

b. A new eToken shall be issued upon request by the Participant.

Please note that if the issued eToken is lost or stolen, the Participant will shoulder the replacement cost for the issuance of a new eToken.

B. Damage to the eToken

a. Participants must report to BTr Help Desk any case of damaged eToken. The Participant must surrender the issued eToken to BTr-MISS office for evaluation.

Administrative Procedures

a. 1st Issuance of eToken

- The Participant User must accomplish the nRoSS User Enrolment Form and submit to BTr for approval
- The approved form will be the basis for the creation of an nRoSS User account and issuance of a eToken kit to the Participant User. An eToken kit consists of eToken, digital certificate and eToken passwords

b. Revocation of eToken

- An issued digital certificate may be revoked by BTr as found necessary
- A Participant can request revocation of a digital certificate to the BTr-MISS Systems Administrator thru the assigned Participant Security Administrator
- A revoked digital certificate can no longer be used to access the nRoSS system

Administrative Procedures

c. Replacement of a Revoked Digital Certificate

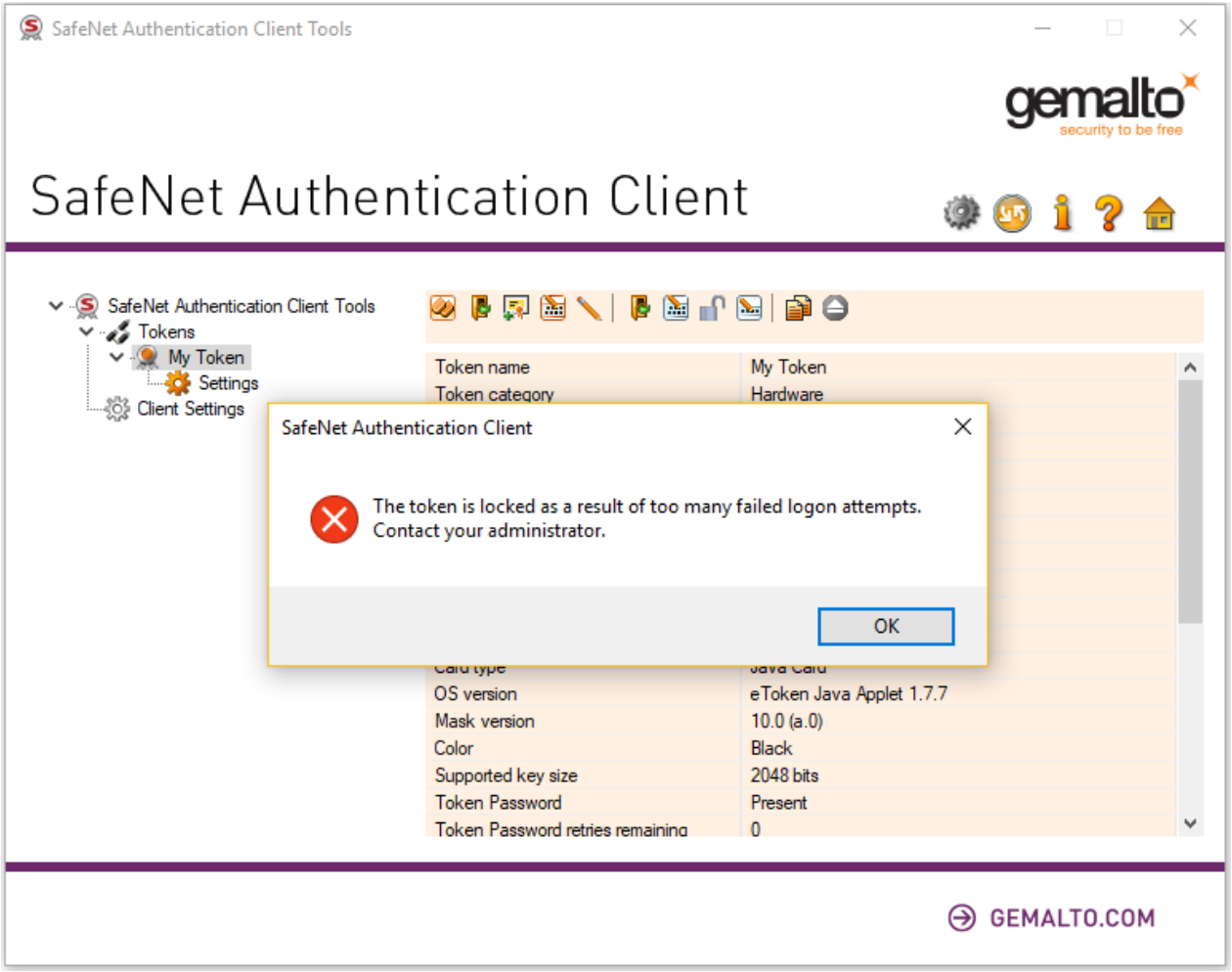
- For a revoked digital certificate BTr-MISS Systems Administrator will issue a new digital certificate to a Participant User
- A Participant can request issuance of a new digital certificate to BTr-MISS Systems Administrator thru their assigned Security Administrator

d. Renewal of a Digital Certificate

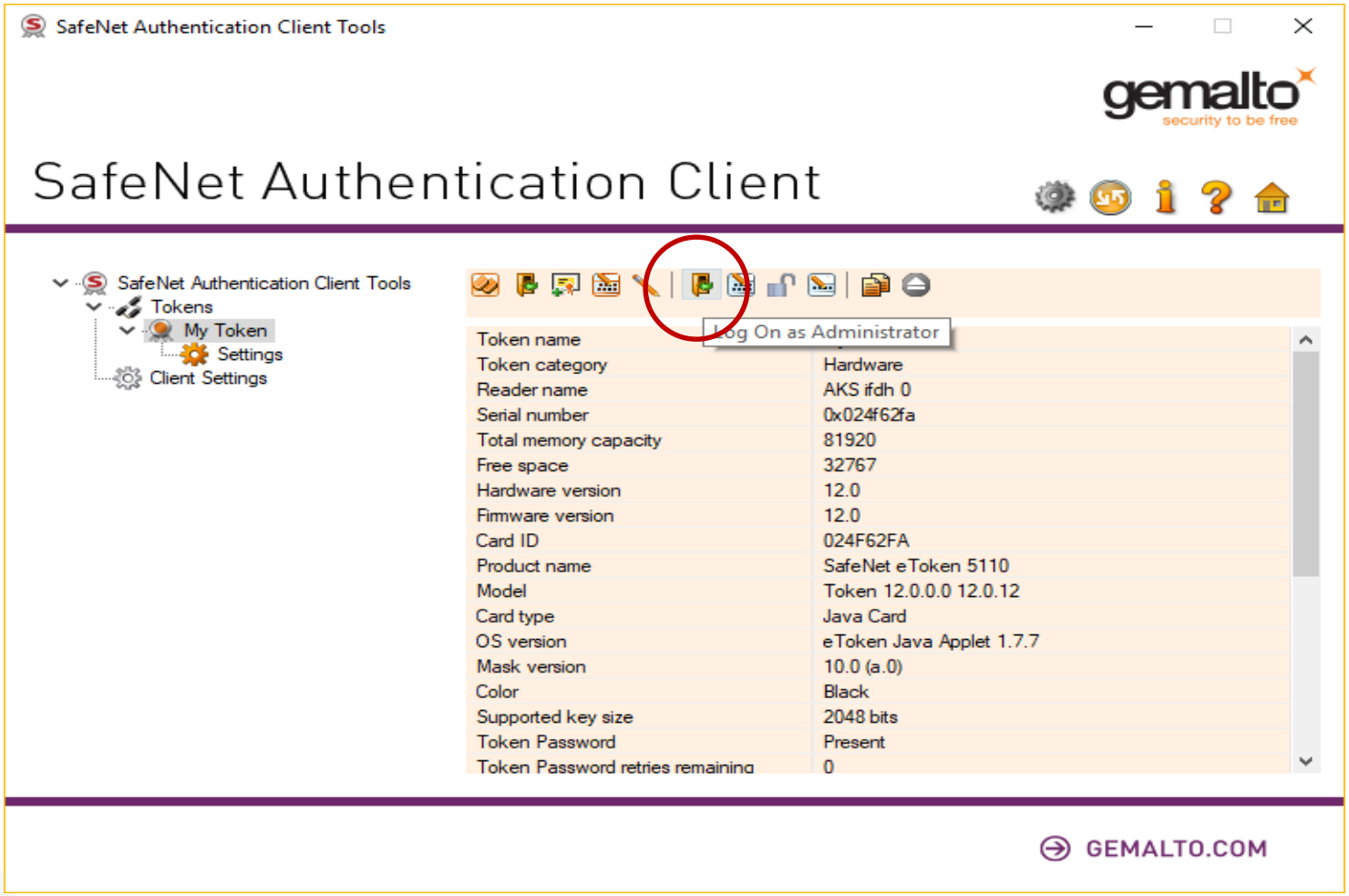
- A digital certificate is only valid for 12 months from the date of issuance to the Participant User
- A Participant must request renewal of their Users' digital certificate one month before its expiration to ensure continuity of access to nRoSS system
- A new digital certificate will be issued to the Participant User accordingly

Reset Password of Users when Locked-out

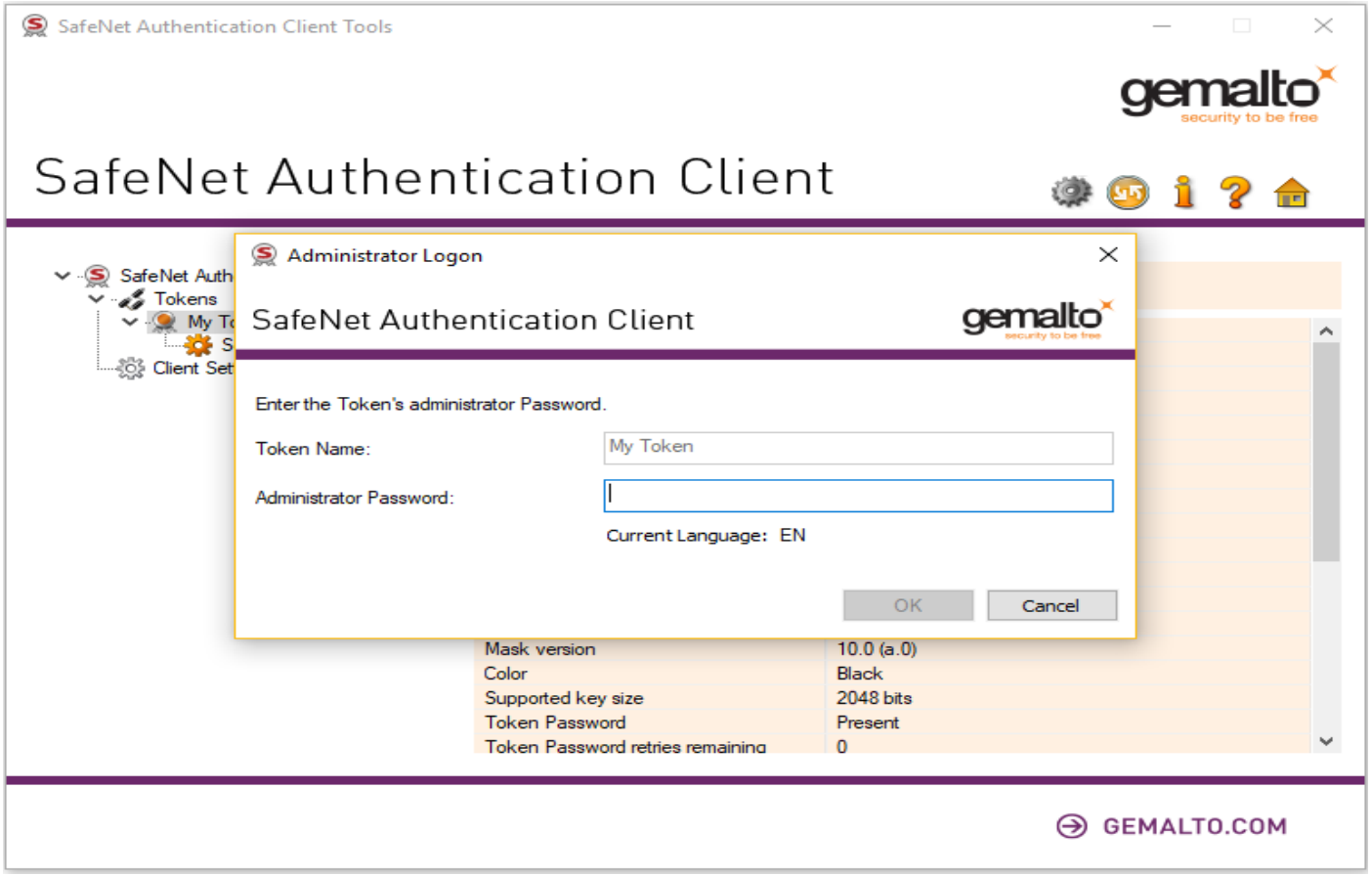
eToken Locked-out



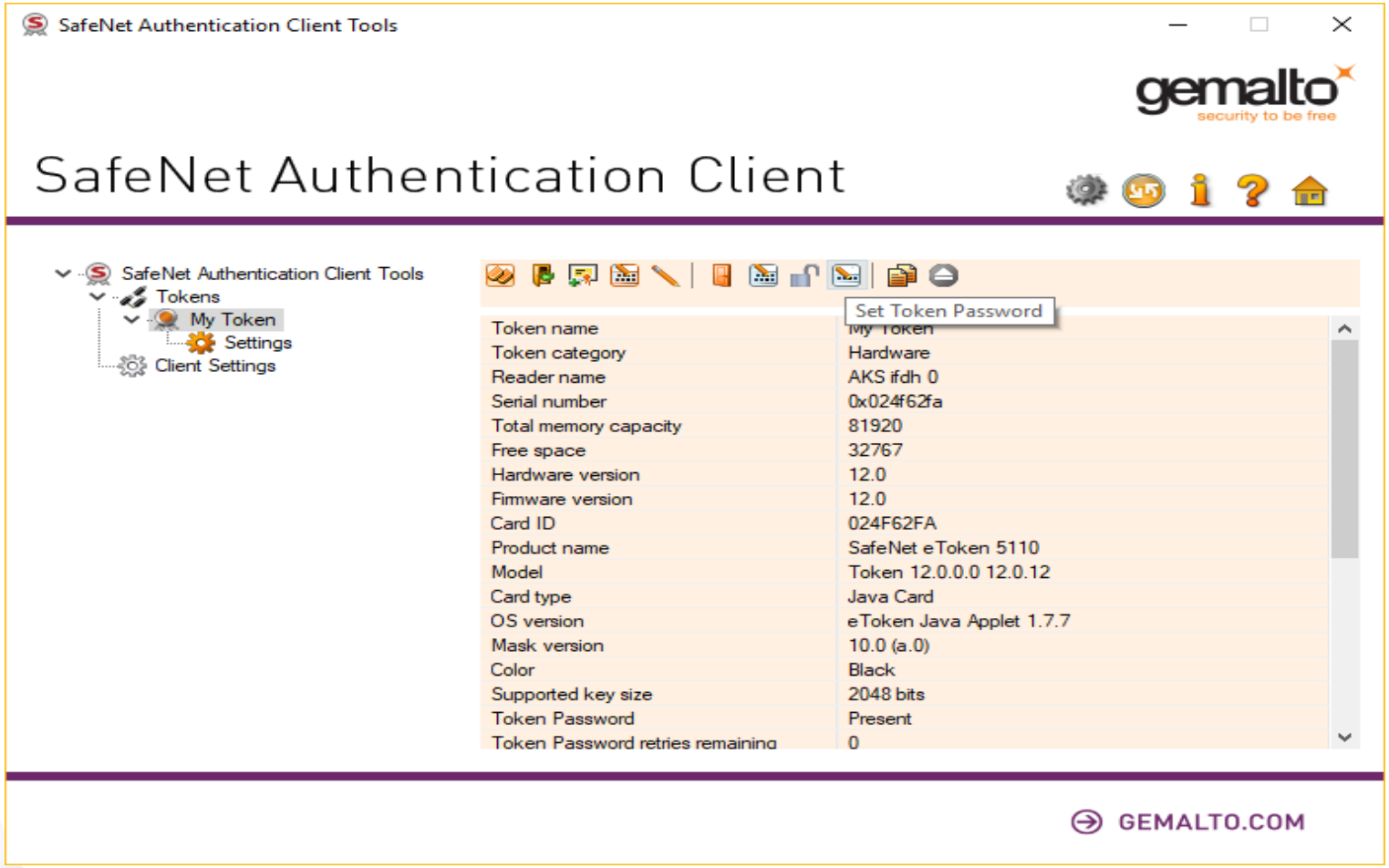
Click “Log On as Administrator Button”



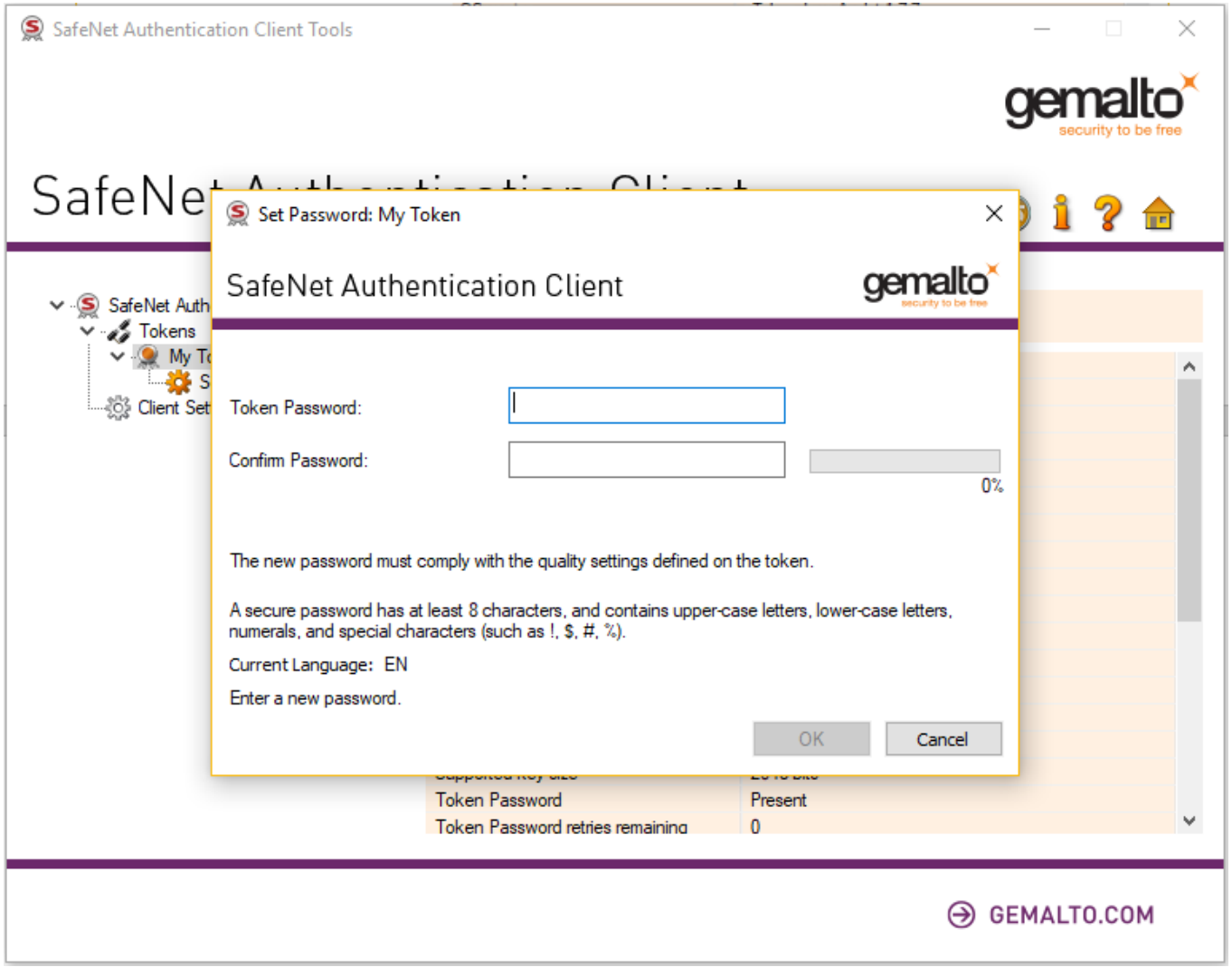
Input the Administrator Password

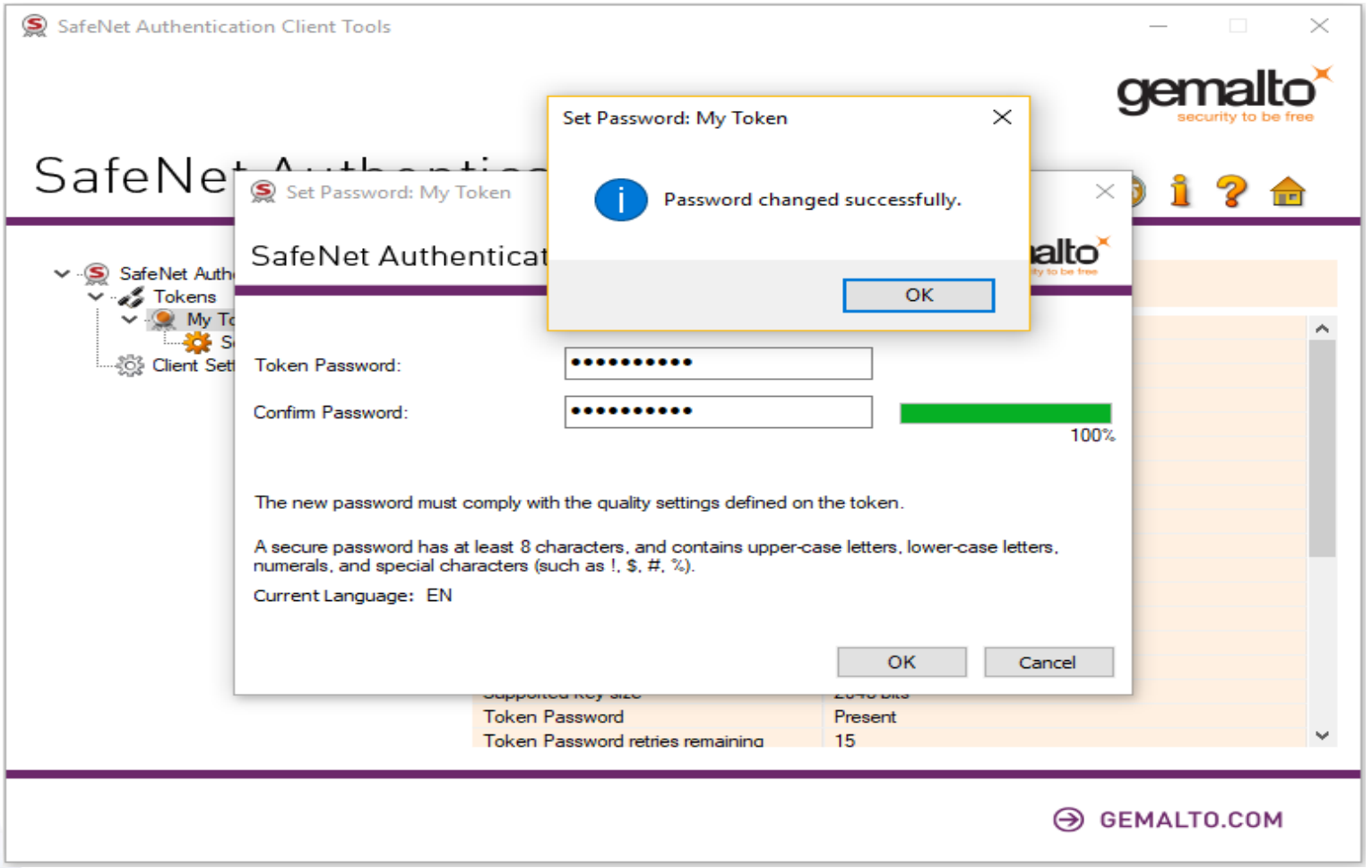


Click “Set Token Password” Button



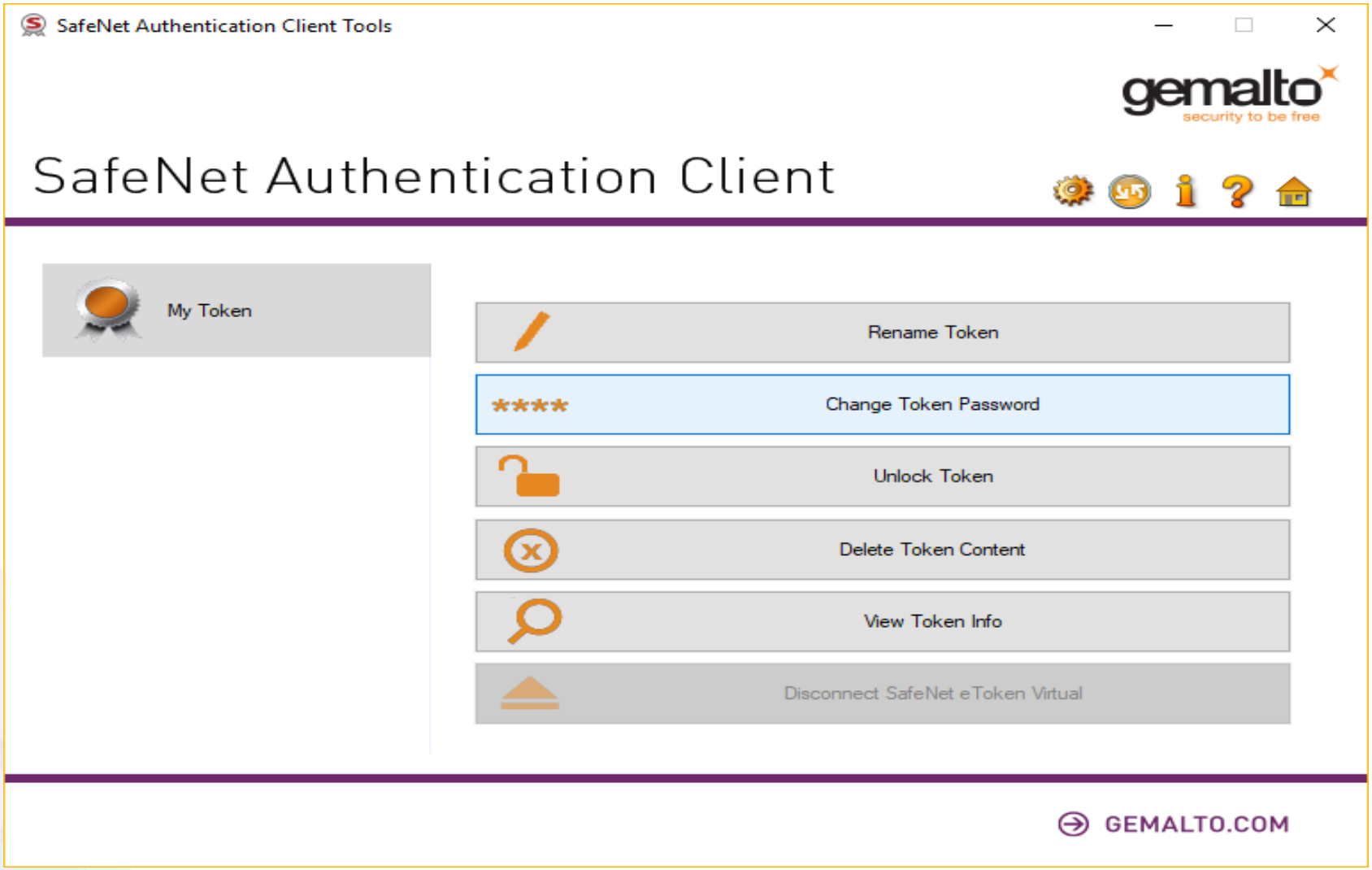
Input the Desired Password and Confirm



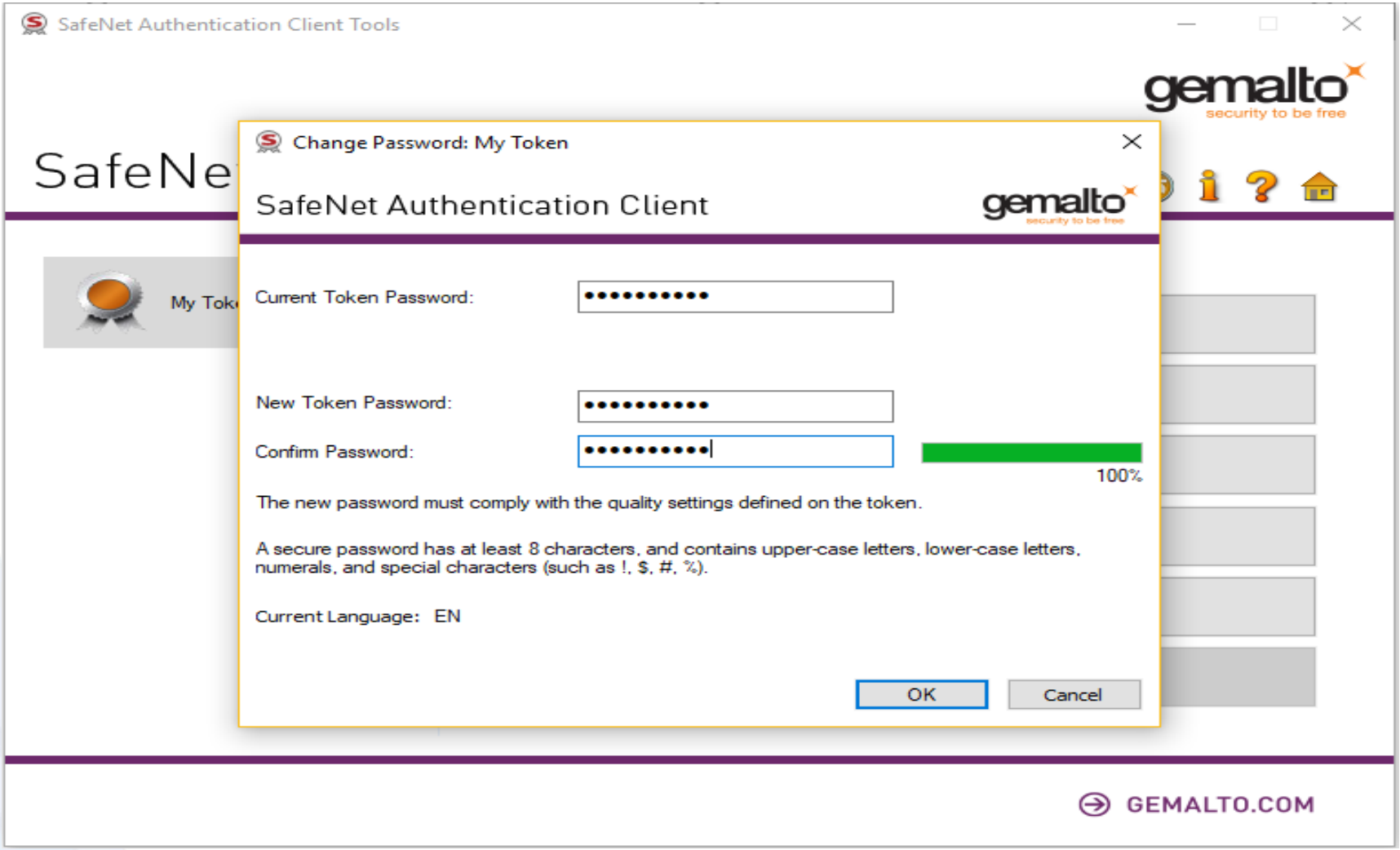

SafeNet Authentication Client Tools
gemalto
security to be free
Set Password: My Token
Password changed successfully.
OK
Set Password: My Token
SafeNet Authenticat
Token Password:
Confirm Password:
100%
The new password must comply with the quality settings defined on the token.
A secure password has at least 8 characters, and contains upper-case letters, lower-case letters, numerals, and special characters (such as !, $, #, %).
Current Language: EN
OK
Cancel
Tokens
Client Sett
Token Password
Present
Token Password retries remaining
15
GEMALTO.COM

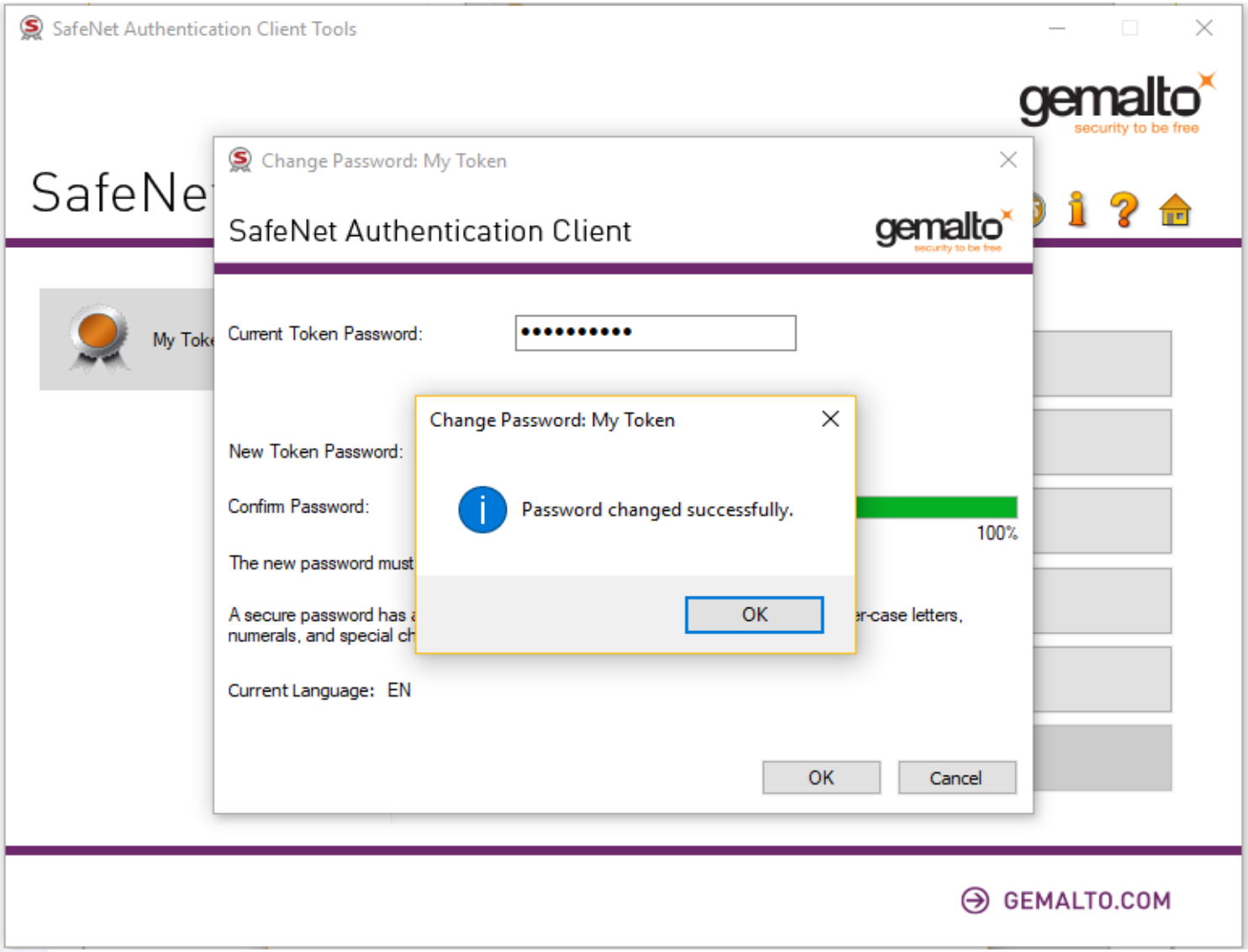
Changing the Password of the User

Click “Change Token Password”Button



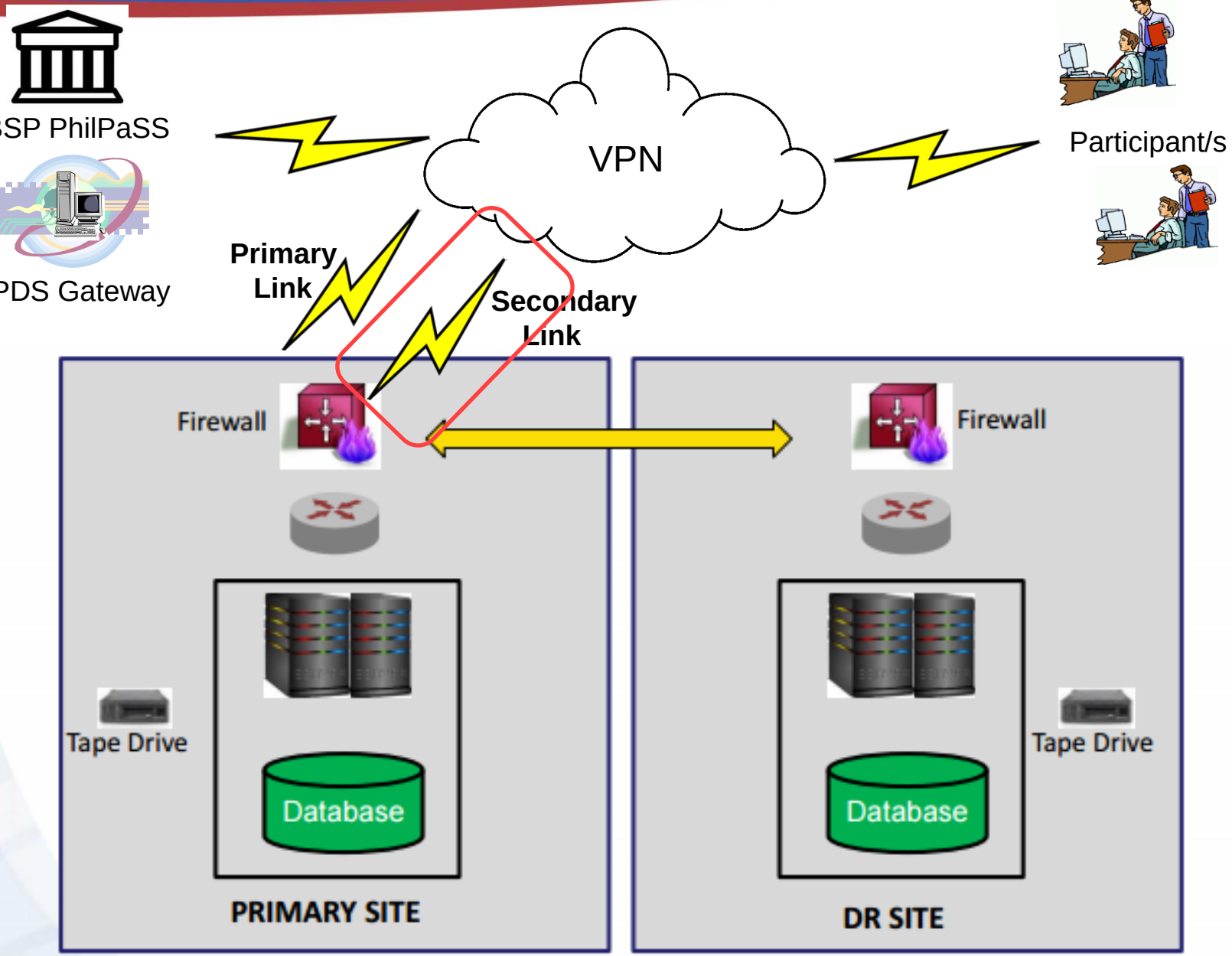
Input the Current and Desired Password




SafeNet Authentication Client Tools
gemalto
security to be free
SafeNe
Change Password: My Token
SafeNet Authentication Client
gemalto
security to be free
My Toke
Current Token Password:
New Token Password:
Confirm Password:
The new password must
A secure password has a
numerals, and special ch
er-case letters,
Current Language: EN
OK
Cancel
Change Password: My Token
Password changed successfully.
OK
100%
GEMALTO.COM

BCP – Secondary link

nRoSS secondary link:



nRoSS Secondary Link Activation

- New VPN form enrolment (**Deadline for submission: September 19, 2017**)
- BTR-Participant configuration to existing firewall linked to nRoSS
- Schedule link testing

Secondary Link Activation:

<u>September 30, 2017</u>

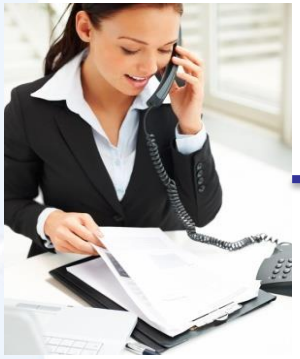
Helpdesk

HELPDESK Contacts

Item	Details
Email Address	nrosshelpdesk@treasury.gov.ph
Telephone Number	663-2871
Availability	8AM-5PM (Business Days)

HELPDESK Procedure

Participant



Participant Calls/Emails nRoSS HelpDesk

1st Level of Support

Initial troubleshooting procedure.

2nd Level of Support

BTr nRoSS Specialists (IT, AUCTION, RoSS)

3rd Level of Support

Every reported issue is given a HelpDesk Ticket number. Once resolved, the ticket will be closed.

Email Reporting

For concerns/issues reported to nRoSS HelpDesk via the Email Address, please ensure to include the ff:

1. **Participant Entity Name**
2. **nRoSS Username used to access nRoSS**
   a. Full Name of the Participant/Username
   b. Role of the Username – ex: Dealer, Broker, Custodian, Trust, Depository, Regulator, SGA

3. **Complete Details of the Issue/Concern** (sample questions like)
   a. What were you trying to do?
   b. Which screen/module were you trying to access?

4. **If available, please indicate the "Error Message" displayed by the system**
5. **It is always preferable to include "screenshots" of the issue/concern for faster investigation and resolution**

Sample Email

Email Subject: nRoSS UAT Issue: Cannot bid
To: nrosshelpdesk@treasury.gov.ph

Dear, nRoSS HelpDesk.

Good day.

This is to request assistance of the following nRoSS concern/issue.

Details as follows:

1. Participant Name: BPI
2. nRoSS Username used to access nRoSS: juandelacruz@bpi.com
   a. Juan Dela Cruz
   b. Role: Dealer

3. Concern/Issue:
   a. Cannot bid in auction 3DAY TBILLS
   b. Module: Competitive auction

4. Error Message encountered : “Error 123: Cannot bid”
5. Please see attached screenshots of the error encountered

Call Reporting

For concerns/issues reported to nRoSS HelpDesk via the Telephone number, please ensure to include the ff:

1. **Participant Entity Name**
2. **nRoSS Username used to access nRoSS**
   a. Full Name of the Participant/Username
   b. Role of the Username – ex: Dealer, Broker, Custodian, Trust, Depository, Regulator, SGA

3. **Complete Details of the Issue/Concern** (sample questions like)
   a. What were you trying to do?
   b. Which screen/module were you trying to access?

4. **If available, please indicate the "Error Message" displayed by the system**

IMPORTANT!

Please report any testing issue/concern you encounter

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(preferably **as and when it happens** so we can investigate and resolve accordingly)

Parallel Run

Auction Parallel Run

- nROSS will run parallel with ADAPS (starting Sept. 25 T-Bill auction)
  - Participant GSEDs will enter bids in both ADAPS and nROSS
  - nROSS team will compare results from both systems

- Requirements for auction Parallel Run:
  - ✓ Participant Access to nRoSS
  - ✓ eToken deployment (2 per GSED)
  - ✓ User enrolment forms

Secondary Market Testing

- Market-wide testing for secondary market
  - Participants are expected to enter test transactions through the test environment of the trading platform during a specified trading window.
  - BTR and PDS to coordinate activity