ADVANCE AUTHENTICATION – The CJIN-MDN Approach

NOVEMBER 15, 2012
OVERVIEW

• History of the CJIN-MDN

• CJIS Requirements
  • Password
  • Advanced Authentication
CJIN-MDN
Yesterday, Today and Tomorrow

• Proof of Concept
• eCitation
• XFILES
• FIPS 140-2 Encryption
• Radio Infrastructure End-of-Life
• Wi-Fi and Commercial Carrier Support
• Pending CJIS Requirements
CJIS CHANGES

• Password

• Advance Authentication (Two-Factor)
  • Something you know
  • Something you have
CJIN-MDN ENHANCEMENT

• Omnixx Enterprise Platform
  • Omnixx Force Client
    • Mobile Application
  • Omnixx Force Server
    • Management Console

• Combine to create a Risk-Based Advance Authentication.
RISK-BASED AUTHENTICATION

• Four step process
  • Administrative Setup
  • User Setup
  • User Login
  • Maintenance
OMNIIXX FORCE CONSOLE

Omnixx Console

- Agency: NCSHP
- Subagency: OMNIIXX
- User: RSPELL (RODNEY SPELL)
- Device:

User Security Policy

- Default Security Policy (Subagency)
  - Authentication Scheme:
    - Advanced Authentication
    - Standard Authentication
    - VASCU Authentication

- Maximum Duration of Session (Minutes):
  - Unlimited

- Maximum Period of Inactivity (Minutes):
  - Unlimited

- Maximum Period Between Logons (Days):
  - Unlimited

- Maximum Logons per User:
  - Unlimited

- Allow Use on Holidays:
- Lockout After Failed Logons:
- Maximum Failed Logons:
- Lockout Duration (Minutes):

- Password Composition Rules:
  - Letter and Number
  - Limited to letters and numbers, and at least one of each.

Next

Help

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USER SETUP

Log on to Omnixx Force Mobile.

**LOGON**

- **PID/Badge:**
- **Unit:**
- **Sector:**
- **2nd PID/Badge:**
- **Message:**

(PID = Person ID)
UNAUTHORIZED USER

[Image of a software interface with the text: Omnixx Force Mobile.

- **PID/Badge:** H7501
- **Unit:**
- **Sector:**
- **2nd PID/Badge:**
- **Message:**

A pop-up message reads: Authentication Failed: CODE: 1400
SUMMARY: _AALN:
Omnixx Server not available.

Options: Back, OK, Exit]
Welcome to Omnixx.

You need to complete your security profile.

Please enter the following in order to continue.
- PIN
- Site Key Phrase
- Site Key Image
- Challenge Questions and Responses

Please note that your PIN is case sensitive.
INITIAL LOGON

Advanced Authentication Tab
ADVANCED AUTHENTICATION

Omnixx™ Force Mobile

LOGON  ADVANCED AUTHENTICATION

Enter your current Password and PIN.

User ID: H7503
Password
PIN:
Agency: NCSHP

The site key image and phrase you created at signup are displayed below. If you recognize them, then it is safe to enter your credentials, otherwise, do not continue.

[ ] Register Machine?

Hello Rodney

Challenge Question(s)
In what city did you meet your spouse/significant other?

Back  OK  Exit
INVALID PASSWORD
INVALID PIN

Enter your current Password and PIN.

User ID: H7503
Password: *****
PIN: ****
Agency: NCSHP

Challenge Question(s)
In what city did you meet your spouse/significant other?

fayetteville

Authentication Failed

SUMMARY: _AAEXT:

CODE: 1423
Invalid PIN

Ok
INCORRECT CHALLENGE RESPONSE
SUCCESSFUL AUTHENTICATION
DCI LOGIN AND FORMS
Maintenance

• Users can change password, PIN, and modify answers to the challenge questions.

• All other functions, including resetting forgotten passwords are handled at the Administrative level.

• Omixx Server will enforce a password policy for field length, expiration period and use of special characters.
Questions?

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