

NONSTOP IN THE ENTERPRISE

***Modernizing with Client Solutions***

**CAIL**

# AGENDA

- Why Modernize ?
- Advantages
- Modernizing Examples
- Conclusions
- Next Steps

# ***WHY MODERNIZE ?***

- Standardization
- To improve Security
- To get more from current systems
- In conjunction with Windows 7 rollout
- Support Mobile devices
- Encourage Collaboration
- To create Business Value

***GET THE RIGHT DATA  
TO THE RIGHT PEOPLE  
AT THE RIGHT TIME***

- Increase efficiency and productivity
- Provide business advantage

# ***MODERNIZING OBJECTIVES***

## **Business**

- 1. Increase Revenue**
- 2. Successfully manage change**

## **IT**

- Support business innovation while mitigating risk -**
- A. with easy-to-use, seamless information services**
  - B. improved interoperability between systems**

# ***“ CLIENT SOLUTION “ ADVANTAGES***

- Produce results quickly
- Focus on delivering Business Value
- Fast ROI
- Reduce risk while managing change
- Facilitates collaboration / communications
- Position NonStop as part of the Corporate Standard

Leverage the investment in current systems ....

***Modernization -  
with Client Solutions***

***Customer examples***



# MODERNIZING SYSTEMS

## Information Access Options

- |   |                           |                          |
|---|---------------------------|--------------------------|
| 1. Emulation <ul style="list-style-type: none"><li>• 6530</li><li>• 3270</li><li>• 5250</li><li>• VT</li><li>• T27</li><li>• X</li><li>• etc.</li></ul> | 2. ODBC                   | 6. Client / Server       |
|   | 3. SOAP                   | 7. PC / Windows          |
|   | 4. RPC                    | 8. Internet (HTML, etc.) |
|   | 5. Messaging / Middleware |                          |

*... the “Data” is the platform*

*... Hybrid system environment*

# MODERNIZE - TEXT STYLE

## Display Example A

CAIL

Sample Bank - Consolidated Customer Information - Loan Application

Customer Information Entry

First Name

James

Middle Name

Andrew

Surname

Brown

City

Cleveland

State

Ohio

Find Matches

Matches

James Andrew Brown, Cleveland, Ohio

James Andrew Brown, Buffalo, New York

James Andy Brown, Kensington, Kentucky

James Aubrey Brown, Leaside, Michigan

Show Customer Information Detail

Customer Information Detail

First Name

James

Middle Name

Andrew

Surname

Brown

Address

62 Biscayne Blvd.

Address2

P.O. Box # 20194

City

Cleveland

State

Ohio

Postal Code

60601

Show Customer Status

Customer Status

Employment History

2002 - Present

ABC Co.

Manager

1996 - 2002

XYZ Corp.

Project Manager

1985 - 1996

First Inc.

Programmer

Income

ABC Co.

\$65,000.00

Spouse

\$52,000.00

Rental Property

\$12,000.00

Assets

House

\$280,000.00

Personal

\$62,000.00

Rental Property

\$220,000.00

Automobile

\$30,000.00

Total

\$558,000.00

Outstanding Obligations

Mortgage

House

\$190,000.00

Rental Property

\$170,000.00

Loans

Automobile

\$11,500.00

Credit Cards

MasterCard

\$4,583.26

American Express

\$3,492.34

Line of Credit

Bank of America

\$8,763.28

Total

\$388,338.88

Bank Accounts

Sample Bank

Savings

157-652-3215

Chequing

262-417-7926

Bank of America

Chequing

345-645-2986

Loan Request

Amount

\$25,000.00

Security

Automobile

Income

\$129,000.00

Expenses

\$37,150.00

Available

\$43,100.00

I / E Ratio

2:1

Other Considerations

While close, it is recommended the loan be approved



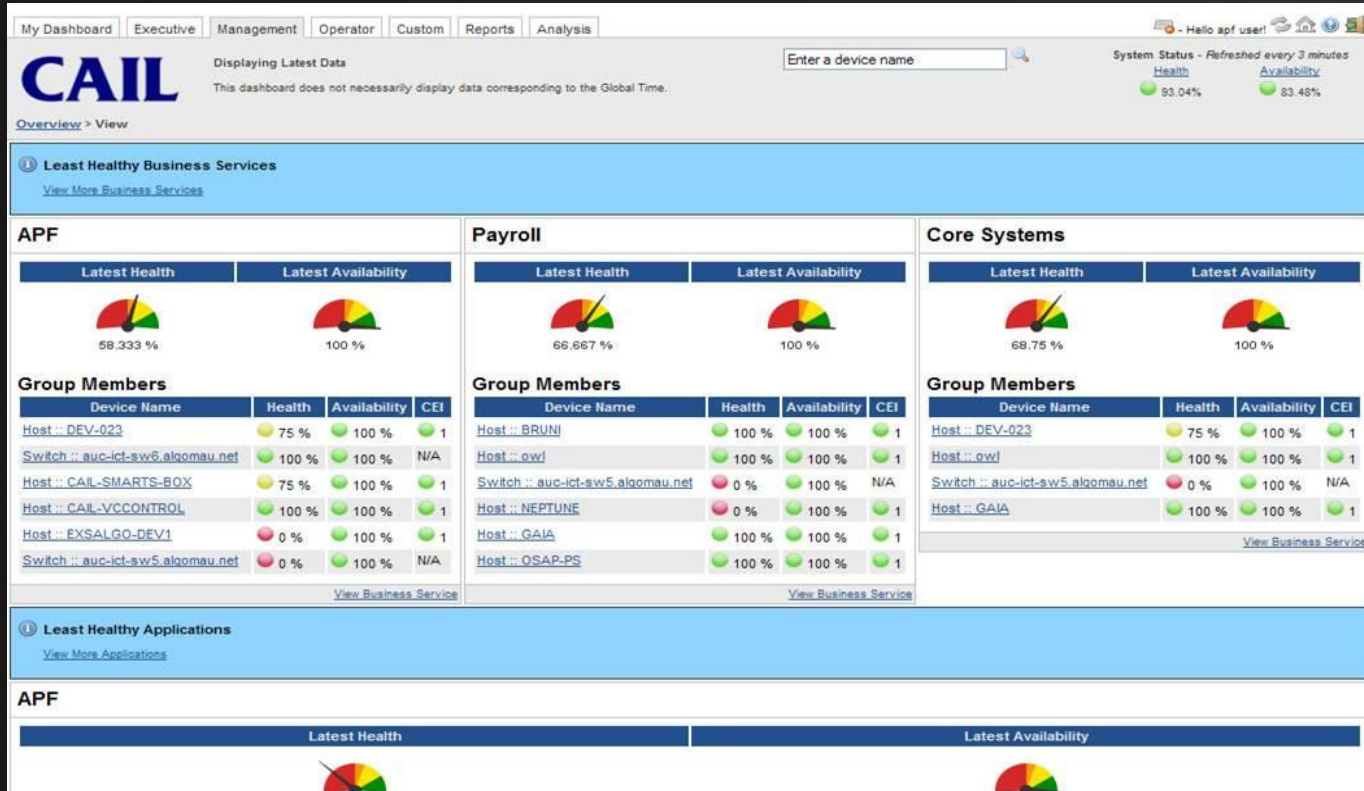
# MODERNIZE - WEB PAGE

## Display Example B



# MODERNIZE - DASHBOARD

## Display Example C



#### APF

Latest Health	Latest Availability
	

# 1. SIMPLIFYING SYSTEMS

## Manufacturer

- One-Time Log-in then subsequent auto-logins for validated Users
- Seconds vs minutes
  - User clicks on a Web Page to bring up a 6530 session
  - Script puts the cursor on the correct page and location (vs start a session, log-in, go to desired screen, find the field, etc.)
- Instantiate the CAIL ActiveX Control inside the Browser (put a TAG inside HTML file + configure)
- Typically no software installed on the PC or laptop

## 2. SINGLE VIEW

### Logistics Company

- Dynamically updates maps based on information from multiple NonStop sessions
- Prompts user through sub-windows
- Add CAIL 6530 ActiveX control in the Development Environment Tool Box
  - like other Windows Controls to Grab the Tool and drop onto a form
- Applicable to C+, C++, Visual Basic, etc. programming environments
- Use Microsoft ClickOnce to streamline deployment
  - application installed when User clicks on a link in a Web Page
  - User does not require Admin rights
  - MS code signing
  - The application runs in a “Sandbox”



### 3. *FASTER RESPONSE*

#### 911 Emergency Response

- Validate information before triggering response unit
  - save lives and time through right people to correct address
- “CAIL COM” interfacing used in a application to pass information from the NonStop session to a Server containing valid addresses
- Automatic confirmation or close match responses
- Operator has appropriate information to confirm with requesting party specific details (i.e. the corrected address)
- “CAIL COM” was selected because the Customer didn’t want to change the NonStop application





## 4. IMPROVE SYSTEM SECURITY

### Many Organizations

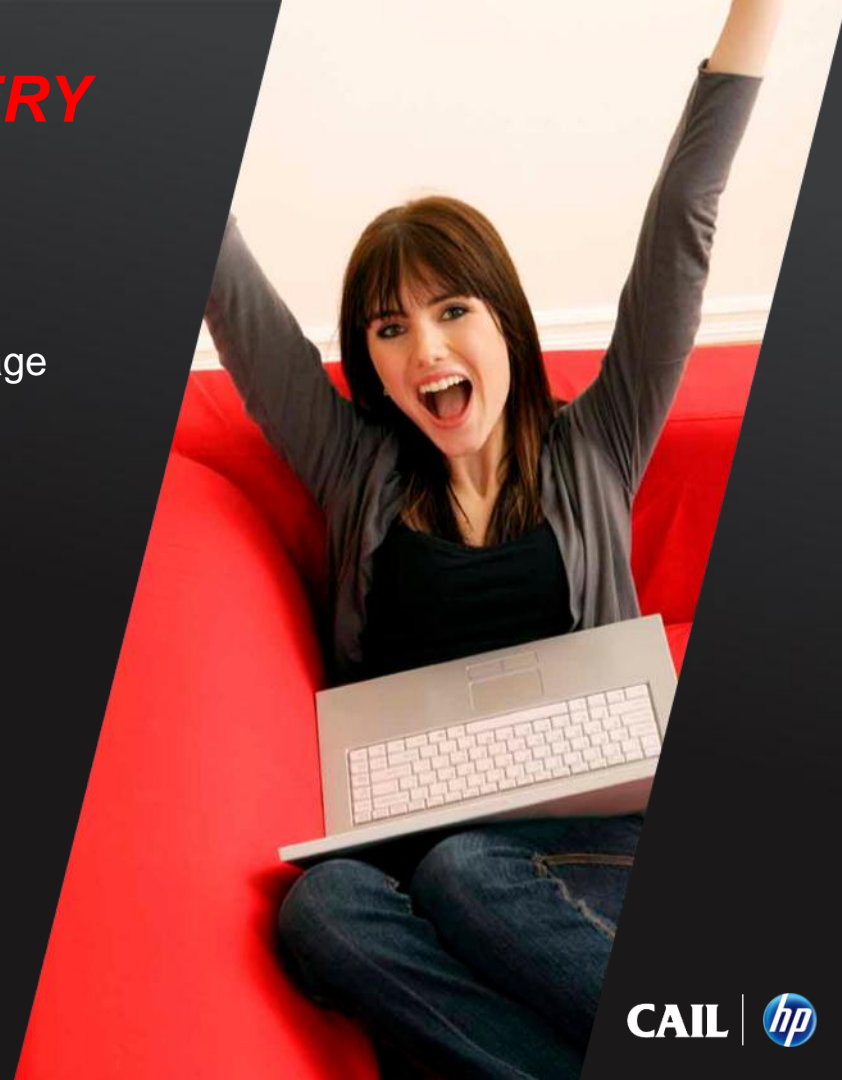
- Utilise built-in CAIL Suite security capabilities
- Activate encryption for
  - 6530 Sessions
  - File Transfers
- Authenticate Users
- Choice of SSH, SSL, etc. encryption
- Verify SSL Client Certificates, username and serial number against a Server database
- Auditing capabilities
- FIPS 140-2 Compliance
- For SSH, choice of Guardian or OSS implementations



## 5. BETTER DISASTER RECOVERY CONTINGENCY

### Australian Bank

- Person clicks on a browser link to a pre-setup Web Page to start a session that connects to the DR system
- Instantiate the CAIL ActiveX Control inside a Browser
- Have full 6530 support including -
  - Function Keys
  - Tool Bar
  - Multiple 6530 Sessions
  - Encrypted Communications
  - Encrypted File Transfer
  - ... SFTP (SSH), FTPS (SSL)



## 6. AUTOMATE PROCESSES

### Various Organizations

- Automatically trigger a process
  - Create a report / alert
  - Send notifications
  - Invoke corrective action routine
- Embed the CAIL ActiveX Control for 6530 communications into Customer system management software / applications





## 7. PARTNERING SOLUTIONS

- To improve system manageability and NonStop usability, the CAIL ActiveX Control (for 6530 communications) has been embedded into Partner Products
  - MOMI / Blackwood Systems
  - The View / River Rock Software
  - etc.
- For seamless solutions
  - Increase product capabilities
  - Integrate information with Customer applications
  - Improve responsiveness to Customer requests

## 8. *MOBILE*

### Customer Example - Military

- Easily enable new Client devices to connect with NonStop systems (e.g. Smart Phones, Tablets etc.)
- Easily capture information by utilising CAIL inside a Scanner with scanned barcodes inserted into the correct field on the screen
- Achieved by running CAIL Java on an ARM based mobile device with NonStop access from any mobile device supporting Java



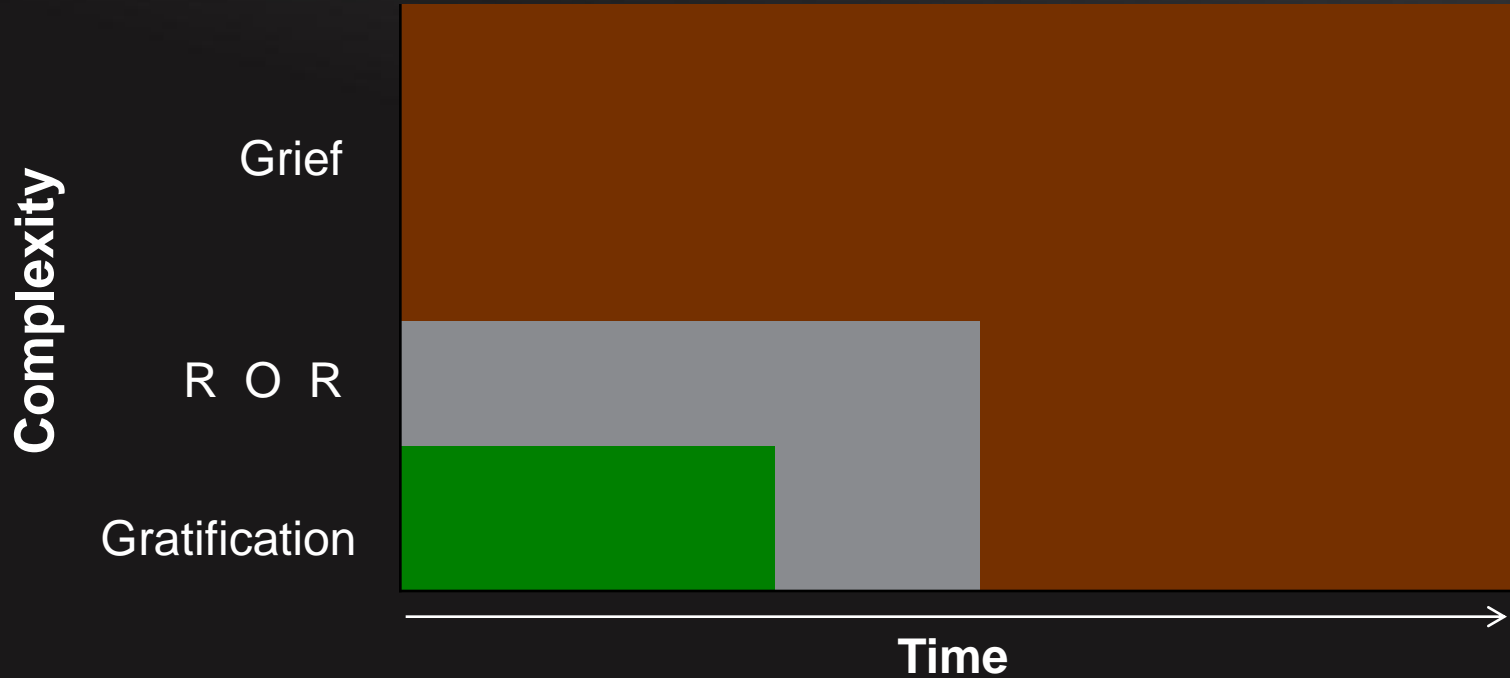
## 9. “ *ENTERPRISE CLIENT SOLUTION* ”

Reflection / EXTRA! - Integrated CAIL / Attachmate Software

1. A Corporate Standard for Host access  
.... a single icon for quick, easy, consistent access to -  
Mainframe, Mid-Range, UNIX/Linux, NonStop, etc. systems
2. Secure systems across the enterprise
3. Modernize with information from “ selected ” or “ all ” systems
4. Reduce training and support demands
5. Simplify systems
6. Increase profile and opportunities for NonStop
7. Save significant \$

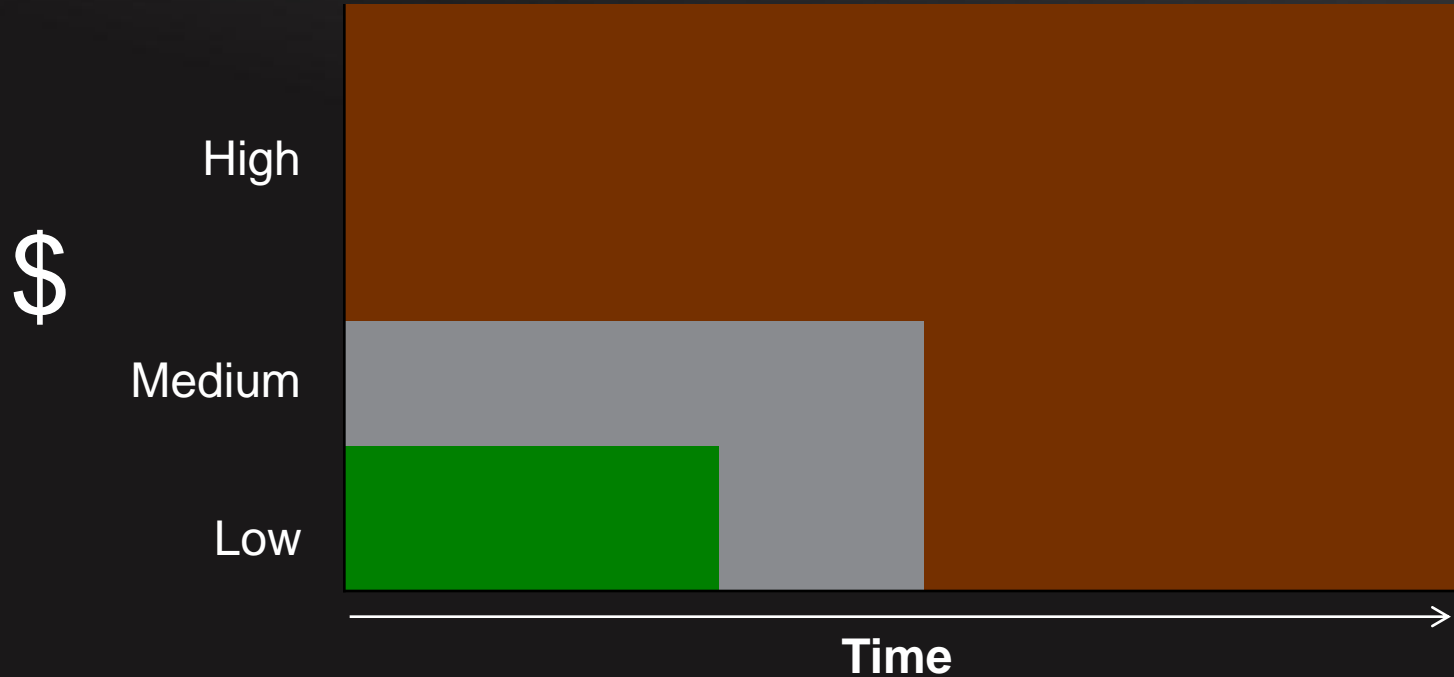
# WHY STANDARDIZE ?

**TO DELIVER RESULTS FAST**  
**+ MEET EXPECTATIONS**



# WHY STANDARDIZE ?

**TO REDUCE RISK AND COST**  
**+ make it easier to move forward**



# NEXT STEP :

## 1. *EVALUATE “ CAIL “ TO MODERNIZE NONSTOP SYSTEMS*

2. Utilize “ Reflection “ or “ EXTRA! “ (integrated Attachmate / CAIL Software) to modernize all information services (including NonStop) with an Enterprise Client Solution

For more information,  
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