January, 2023
Update Your Applications with Restyle and Bring them Everywhere with Nomad
AGENDA

• Welcome
• Presentation
  • Maureen Leland, HCL
  • M.E. Miller, HCL
  • Bob Sielken, HCL
• Q and A
THANKS TO THE OPENNTF SPONSORS

• HCL made a contribution to help our organization
  • Funds these webinars!
  • Contests like Hackathons
  • Running the organization

• Prominic donates all IT related services
  • Cloud Hosting for OpenNTF
  • Infrastructure management for HCL Domino and Atlassian Servers
  • System Administration for day-to-day operation
THIS IS OUR COMMUNITY

• Join us and get involved!
• We are all volunteers
• No effort is too small
• If your idea is bigger than you can do on your own, we can connect you to a team to work on it
• Test or help or modify an existing project
• Write guides or documentation
• Add reviews on projects / stars on Snippets
UPCOMING EVENTS

• Engage User Group Meeting
  The Future is NOW
  April 24-26
  Felix Meritis
  Amsterdam, Netherlands
NEXT WEBINAR

February Webinar: What's new in Domino security in 12.0.1 and 12.0.2
February 16th
ASKING QUESTIONS

• First Question – Will this be recorded?
  • Yes, view on YouTube!!!
  • https://www.youtube.com/user/OpenNTF

• Use the Questions Pane in GoToWebinar
• We will get to your questions at the end of the webinar
• The speakers will respond to your questions verbally
  • (not in the Questions pane)
• Please keep all questions related to the topics that our speakers are discussing!!!
• Unrelated Question => post at:
  • https://openntf.org/discord
Update Your Applications with Restyle and Bring them Everywhere with Nomad
HCL Nomad and Domino Restyle

Bob Sielken
HCL Nomad for web browsers

Maureen Leland and M.E. Miller
Domino Restyle
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What is Nomad?
What is Nomad?

• A web and mobile client based on the HCL Notes Basic desktop client to work with Domino applications.

• No client to install
• No client upgrades/rollouts
• No extra license required – available with CCB V12
• Runs on Chrome, Edge, Firefox, Android, and iOS
Clients

**Desktop**
- Windows
- macOS

**Mobile**
- Android
- Tablet & Phone
- iOS

Use any supported browser:
- Chrome
- Firefox
- Edge
Nomad Server on Domino
Nomad Server on Domino

- Make HCL SafeLinx optional.
  - For customers with existing reverse proxy or load balancing (RP/LB) infrastructures.
  - For smaller customers with limited resources.
  - HCL SafeLinx is still an option with many benefits at the proxy level (soon).

- LDAP server not required.
  - Nomad Server uses Domino for user and server lookups.

- Integration with CertMgr for TLS config
  - Will automatically pick up changes / renewals without restart

- `deploy.nsf` is now auto-generated for SAML deployments.

- Bundles Nomad for web browsers to:
  - Streamline install / upgrade.
  - Align releases to reduce staggered dependencies.
Deployment Architecture – HCL SafeLinx

- **SafeLinx Admin (wgcfg)**
  - Java based
  - Linux / Windows

- **TLS/SSL Port 443**

- **NRPC Port 1352**

- **Nomad Server**

- **Relational DB**
  - MySQL
  - MSSQL

- **SSL Keystore (*.p12)**

- **Domino Domain A**
  - ID Vault
  - Domino Servers
  - Domino LDAP

- **Nomad Web Static Resources**
  - Linux: `/usr/local/nomad`
  - Windows: `C:/HCL/Nomad`

- **dominoldap.hcl.com**

- **https://nomad.hcl.com**

- **TCP Port 389 / 636**

- **TCP Port 9555 / 9559**
Deployment Architecture – Nomad Server on Domino

- TLS/SSL Port 443
- https://nomad.hcl.com Port 443
- any HTTP Proxy or Load Balancer
- Domino Domain A:
  - ID Vault
  - Domino Servers
  - Nomad Server (on Domino)
- NRPC Port 1352

- TLS/SSL Port 443

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Nomad Server on Domino Demo
Demo – QR Code and Bar Code – Admin Professional

HCL Nomad

User Name
Robert.Serken@hclshowcase.com

Password
*******

Log In
Demo – QR Code and Bar Code – Sales Rep on Mobile
Demo – QR Code and Bar Code
– Sales Rep on Mobile

Instructions
To view all orders, click "Orders"
To create a new order, click "New Order"
To view a list of all clients, click "Client List"
To view inventory levels, click "Inventory"
For other actions click the top right Menu

Powered by HCL Domino
Signature as a Rich Text Lite option
@Command([EditInsertSignature]; imageWidthSize)

- **imageWidthSize**
  - Number. Optional. The width in pixels that the resulting image will be sized to.
- **Usage:**
  - A document must be open in Edit mode with the insertion point in a rich text field.
  - This command does not work on the Nomad for web browsers.
  - If using this command in a hotspot button or any other element that causes a change in focus, the EditGoToField or EditTop command must be used first to return the focus to the document. The document must be in Edit mode.
Demo – Capture Signature - iPad
Demo – Printing and Replication
Demo – panagenda MarvelClient Nomad Roaming
Enabling "notes" links for HCL Nomad for web browsers

Once you have allowed Nomad to open "web-notes" links, you can use Nomad to open any "notes" links from other applications such as HCL Verse.

To enable this, an operating system specific operation is needed to allow HCL Nomad for web browsers to handle these links. Here are the steps.

**Windows:**
1. Download the HCL Nomad Notes.zip file.
2. Merge the .xml file into the registry. The following link shows one method of this:
   https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/reg-import

   **NOTE:** This method is not recommended if you currently have the HCL Notes client installed.

   Merging this registry change will un-register any other application that has previously registered to handle "notes" links.

**MacOS:**
1. Download the HCL Nomad Note Link App.zip file.
2. Unzip HCL Nomad Note Link App.zip
3. Add HCL Nomad Notes Link app to your Applications folder.
4. Launch the app.

   **Note:** Nothing should happen, but Nomad now handles "notes" links.

**Linux:**
1. Download and install the HCL Nomad Note Link deb.
Demo – Export CSV File
What is Domino Restyle?
What is Domino Restyle?

Project restyle provides you with a way to easily update the visual styling of an existing Domino application.

The Restyle tool is available in Notes Danube and Nomad 1.0.5 or later. Restyled apps are viewable on both Nomad and Notes, including later versions of these clients.
What is project Restyle?

It is fast!
From days to minutes, to restyle an application.

It is low risk.
Running Restyle does not affect the logic or content of your application.

It has options.
No Domino Designer skills required and provides 63 different design variations.
Guiding Principles

Don’t break my app.
Restyle does not affect the business logic of an application. Only visual properties. Notes Formula, LotusScript, Agents, JavaScript are not touched.

Don’t change my content.
Colors and images. Content that was designed to inform the user, will not be deprecated when going through the restyle process.

Don’t make me think.
Design themes were created to reduce the decision making needed for styling an app.
What we restyle:

Project Restyle will provide you with a set of design options (colors and themes) that will style the following Design Elements of your application by updating the visual properties.

1. Views
2. Forms and Subforms
3. Pages
4. Action bars
5. Embedded outlines
6. Framesets
7. Navigators
8. Default folders
9. Field Components: Coming soon
Restyle of Launch Properties and styling of Framesets

If a launch property is not defined for an application or if we are unable to map framesets in the restyle wizard, then we provide users the option to use our default frameset template.

Our mapping logic relates to these common elements:
1. Application Name Page
2. Outline/Navigator/Default folder view
3. Server Name Page
4. View and Action bar
Restyle: Design Framework
Application Color

Orange  Lime  Teal  Blue  Indigo  Purple  Pink  ?

Custom: Coming soon

Usage:

Marketing Teamroom on Cooper

Application title page


<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
</table>

Buttons
Theme Colors

CREAMY TAUPE

NEUTRAL GREY

SEA BREEZE
How are theme colors used?

Customization of these colors coming soon!
Theme: The way colors are applied

- Colorful action bar
- Simple
- Dark outline
## Overview to Theme Options

<table>
<thead>
<tr>
<th>Theme</th>
<th>Color Scheme</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Neutral Grey</strong></td>
<td><img src="image" alt="Neutral Grey" /></td>
</tr>
<tr>
<td><strong>Creamy Taupe</strong></td>
<td><img src="image" alt="Creamy Taupe" /></td>
</tr>
<tr>
<td><strong>Sea Breeze</strong></td>
<td><img src="image" alt="Sea Breeze" /></td>
</tr>
</tbody>
</table>

**Simple**

- Neutral Grey
- Creamy Taupe
- Sea Breeze

**Colorful Action bar**

- Neutral Grey
- Creamy Taupe
- Sea Breeze

**Dark outline**

- Neutral Grey
- Creamy Taupe
- Sea Breeze

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Images and Color Mapping

<table>
<thead>
<tr>
<th>Color</th>
<th>Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creamy Taupe</td>
<td><img src="image1.png" alt="Creamy Taupe Samples" /></td>
</tr>
<tr>
<td>Sea Breeze</td>
<td><img src="image2.png" alt="Sea Breeze Samples" /></td>
</tr>
<tr>
<td>Neutral</td>
<td><img src="image3.png" alt="Neutral Samples" /></td>
</tr>
</tbody>
</table>

![Out of Office Notice](image4.png)

Out of Office Notice

Out Information
Application Icon Generator

1. Select Theme
2. Launch Property
3. Confirm settings
4. Application Icon

Create Application Icon

Select Shape
Circle

Select shading
Flat

Select Icon:

Filter by category: Technology

Blog, Camera, Code, Debug, Devices, Email, Forum, Location

Robot, Phone, Play, Power, Search

Volume, Wiki

Comming soon!
Restyle: Development Details
Things to note:

• Designer or better access required

• Redesign the template, not applications that derive from it
  • Break the inheritance to restyle a single app that inherits

• Changes are immediate and irreversible – customers are highly encouraged (and reminded with a prompt) to make a backup or to try the restyle on a copy of the application
  • New Copy menu item added to Nomad to help users try before they restyle the actual application

• Note: because design elements are resaved, they will be resigned with the ID of the person doing the restyle. This may cause ECL warnings until/unless the application is resigned.
How it works:

The Restyle wizard collects user’s configurations for:
1. Application Color
2. Theme Colors
3. Theme Scheme

Application color and theme colors are combined with a JSON file that matches the user configuration for theme scheme.

- JSON Colorful Action Bar
- JSON Simple
- JSON Dark Outline

.NSF
How does it work?

- Design changes are driven through JSON definitions
- Design elements are modified in C/C++ core code, CD record by CD record
- JSON file for each theme
- JSON file for palette colors
- JSON file for typography
- JSON schema
- Can you customize?
  - Support for customizing JSON theme files and creating additional themes is coming soon.
  - Customizing application color in Wizard UI coming soon.
  - Apps can be edited and customized in Designer post restyle
How it works after running Restyle

1. All properties for design elements are updated in Designer to reflect what was set in the JSON file.

2. Restyle can be run multiple times.

3. The Design Refresh action continues to work the same. If an application is set to inherit a design from a template the design will rest to match the updated template.
Available Now

1. Nomad 1.0.5 or Later
2. Notes Danube

Watch how we iterate and improve project restyle by signing up for the Nomad hosted beta:

https://start.myhclsandbox.com/general.nsf/pgHome?open
Designing for Nomad Mobile
Hide unnecessary content from mobile

- Simplify your application to create a more usable Mobile experience.
  - Hide action from Mobile
  - Hide Column from Mobile
  - Hide paragraph from Mobile
Formula: @Platform[Specific]

- Use @Platform[specific] with columns, fields, actions "Hide when formula" to hide content not necessary for the Nomad experience.

- iOS/iPadOS
  - PrimaryOSName, for example, iOS
  - PrimaryOSVersionName, for example, 12.4
  - Model Type, either Tablet or Phone
  - Screen size in Notes Pixels, for example, “800,1200”

- Android
  - PrimaryOSName, always Android
  - PrimaryOSVersionName, for example, 10
  - Model Type, either Tablet or Phone
  - Screen size in Notes Pixels, for example, “800,1200”

- Web browsers
  - PrimaryOSName, always WebBrowser
  - HostOSName, either Macintosh, Windows or Linux.
  - UserAgent, the full user agent from the browser.
  - Screen size in Notes Pixels, for example, “1397,775”
Mobile Actions button
Hide columns or fields from smaller resolution screens

- The `onSize` event, `@RelayoutWindow` command, and `@ResolutionWidth` and `@ResolutionHeight` formulas allow you to hide columns and fields

- Hide Column
  - Open the view
  - In the Objects pane, select `onSize` and in the Run pane, enter `@Command([RelayoutWindow])`
  - Select the column
  - Open the Properties box for the column. For the Hide column if formula is true property, enter the formula `@ResolutionWidth<value>` where `<value>` is a width in number of pixels. If the screen resolution width is equal to or less than `<value>`, the column is hidden.

- Hide Field
  - Open the view
  - In the Objects pane, select `onSize` and in the Run pane, enter `@Command([RelayoutWindow])`
  - Select the field
  - Open the Properties box for the field. For the Hide paragraph if formula is true property, enter the formula `@ResolutionHeight<value>` where `<value>` is a height in number of pixels. If the screen resolution height is equal to or less than `<value>`, the field is hidden.
References

Your ideas for HCL Nomad
https://domino-ideas.hcltechsw.com/

HCL Sandbox
https://start.myhclsandbox.com/

HCL Nomad for web browsers documentation
https://help.hcltechsw.com/nomad/1.0_web/nomad_web.html

Digital Solutions Academy
https://academy.hcltechsw.com

HCL Nomad Support Forum
https://support.hcltechsw.com/community?id=community_forum&sys_id=3b962d581b1104d483cb86e9cd4bcbae
Questions and Answers
QUESTIONS?

Use the GoToWebinar Questions Pane

Please keep all questions related to the topics that our speakers are discussing!!!

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