OPENNTF WEBINARS

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

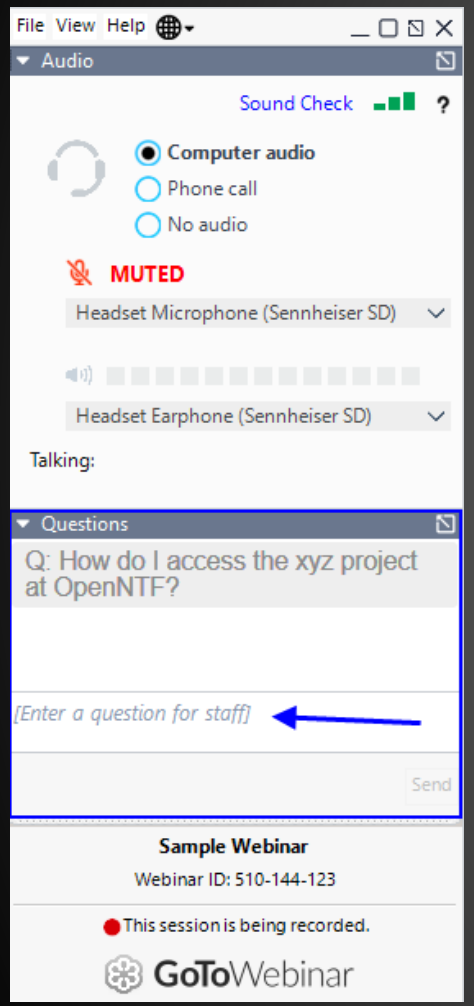
- Engage User Group Meeting
  - The Future is NOW
  - April 24-26
  - Felix Meritis
  - Amsterdam, Netherlands

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

PRESENTATION

Update Your Applications with Restyle and Bring them Everywhere with Nomad

HCLTech | Supercharging Progress™

HCL Nomad and Domino Restyle

Bob Sielken
HCL Nomad for web browsers

Maureen Leland and M.E. Miller
Domino Restyle

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Agenda

01	What is Nomad?
02	Nomad Server on Domino
03	Nomad Demos
04	What is Domino Restyle?
05	Restyle Demos
06	Restyle: Design Framework
07	Restyle: Development Details
08	Designing for Nomad Mobile
09	References
10	Questions and Answers

What is Nomad?

01

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

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Clients

Desktop

Windows macOS

- Use any supported browser:

Chrome Firefox Edge

Mobile

Android

Tablet & Phone

iOS

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Nomad Server on Domino

02

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.

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Deployment Architecture – HCL SafeLinx

TLS/SSL
Port 443

https://nomad.hcl.com

Nomad Server

NRPC
Port 1352

Domino Domain A

ID Vault

Domino Servers

Domino LDAP

dominoldap.hcl.com

TCP Port 389 / 636

SafeLinx Admin (wgcfg)

TCP Port 9555 / 9559

- Java based
- Linux / Windows

Nomad Web Static Resources

Linux : /usr/local/nomad

Windows : C:/HCL/Nomad

Relational DB

SSL Keystore (*.p12)

- MySQL
- MSSQL

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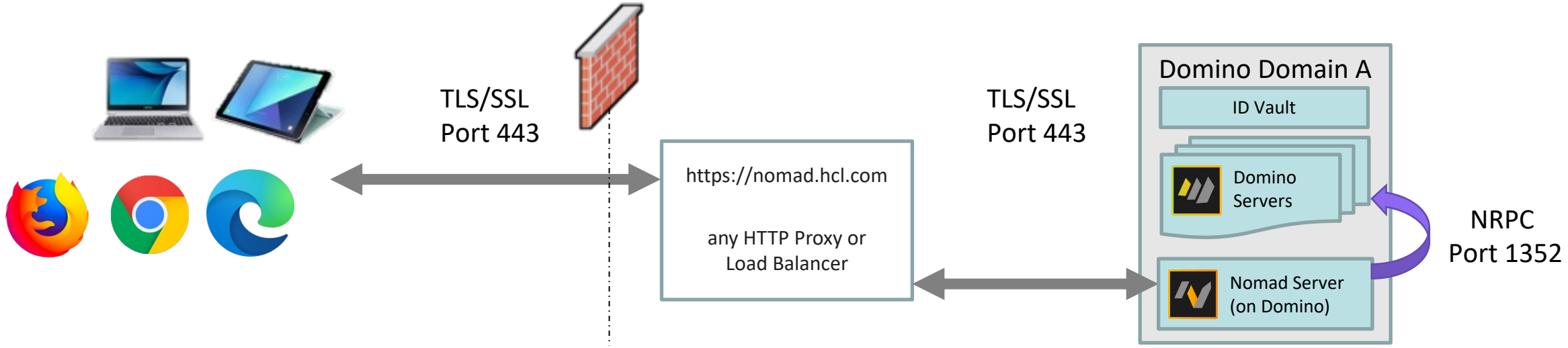
Deployment Architecture – Nomad Server on Domino



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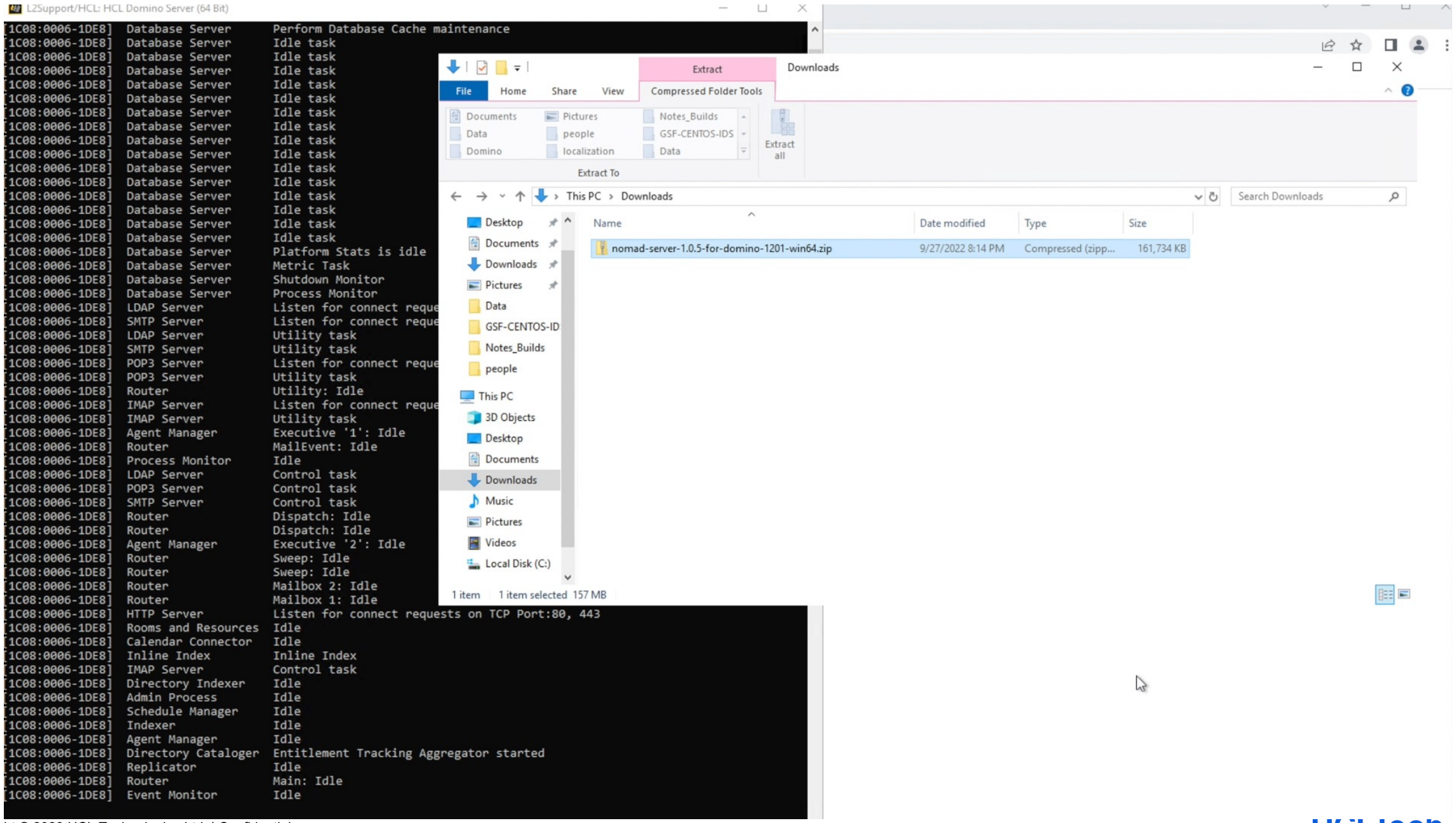
Nomad Server on Domino Demo



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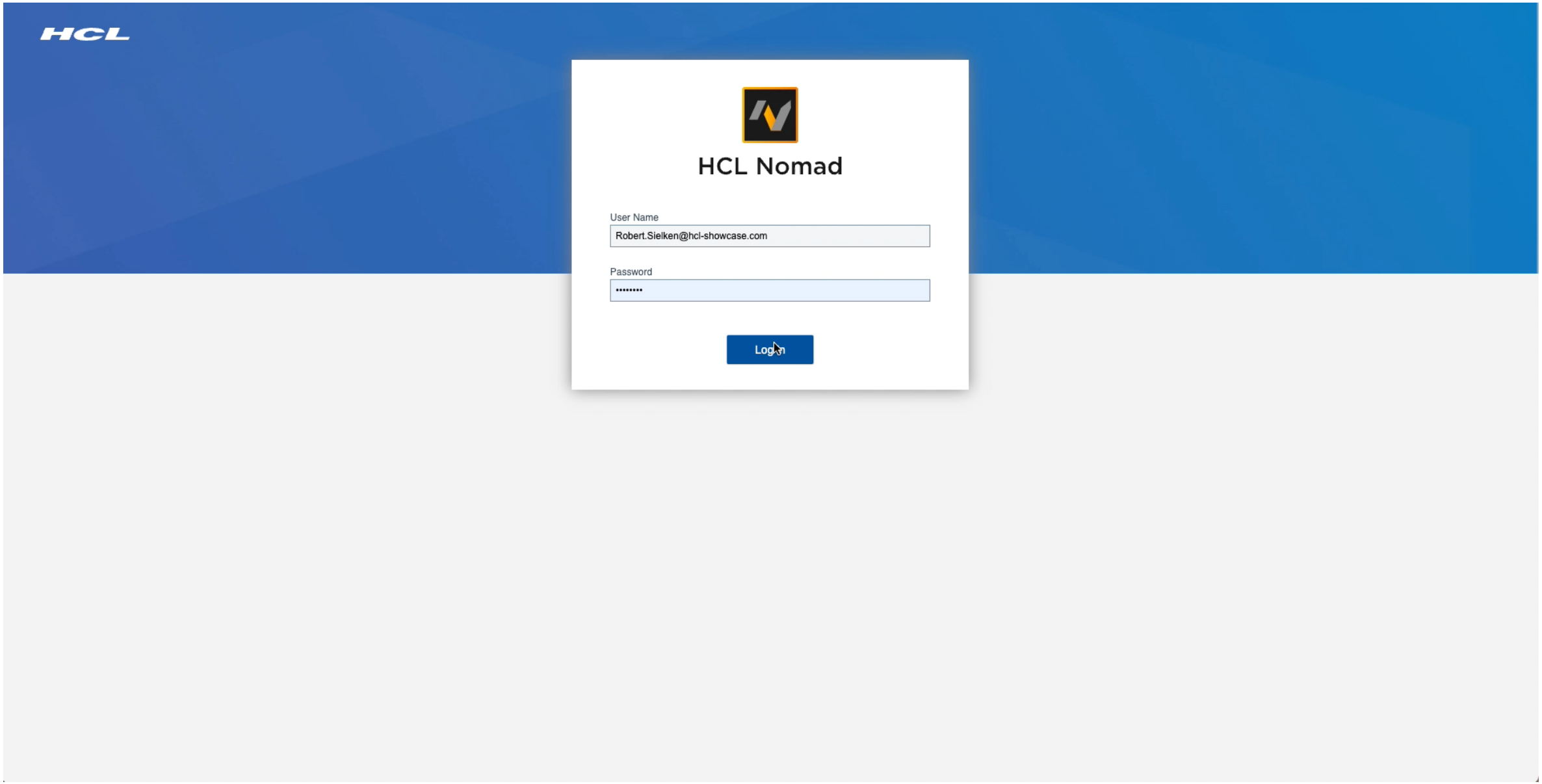
Demos

03

Demo – QR Code and Bar Code – Admin Professional



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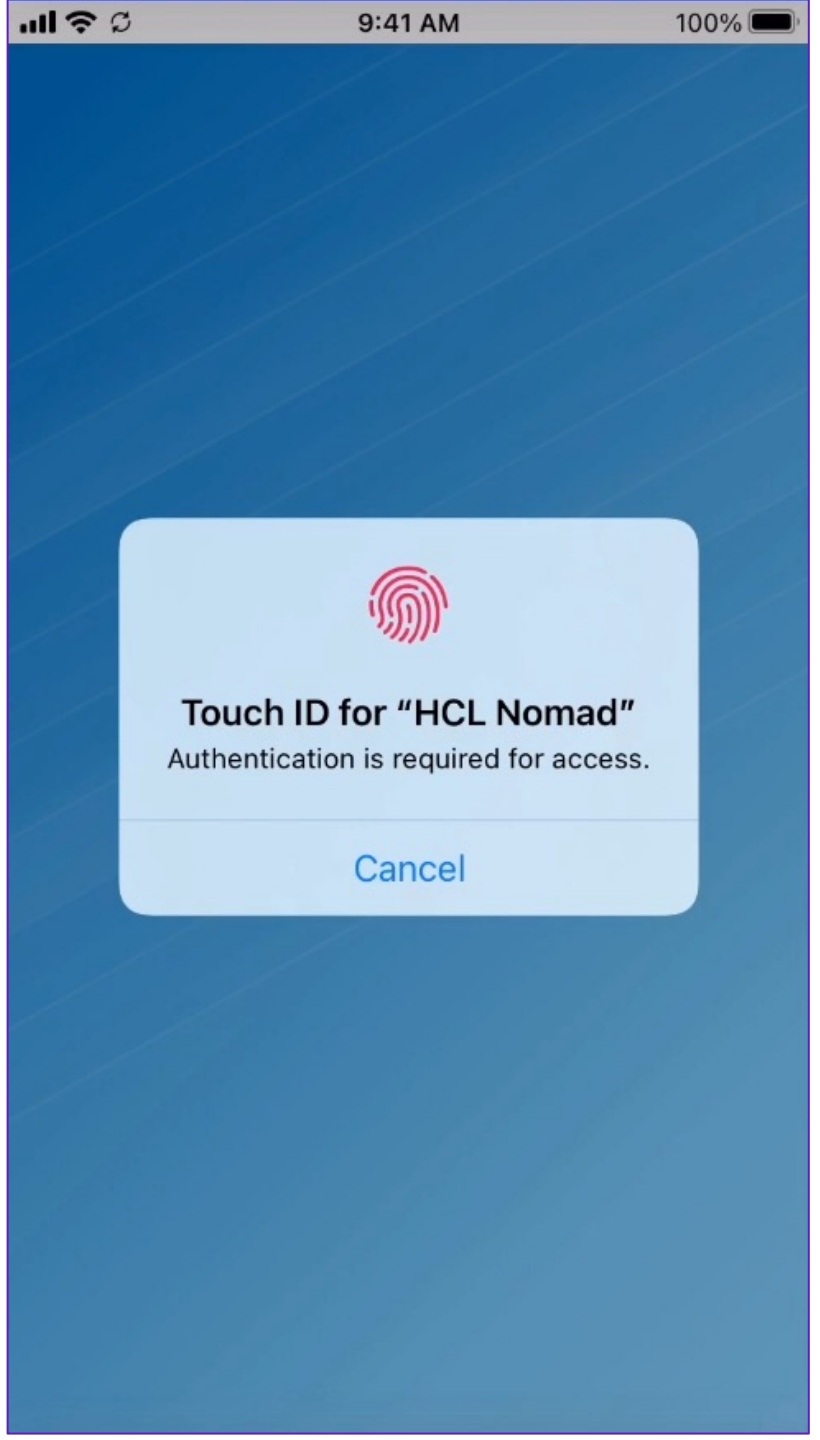
Demo – QR Code and Bar Code – Sales Rep on Mobile



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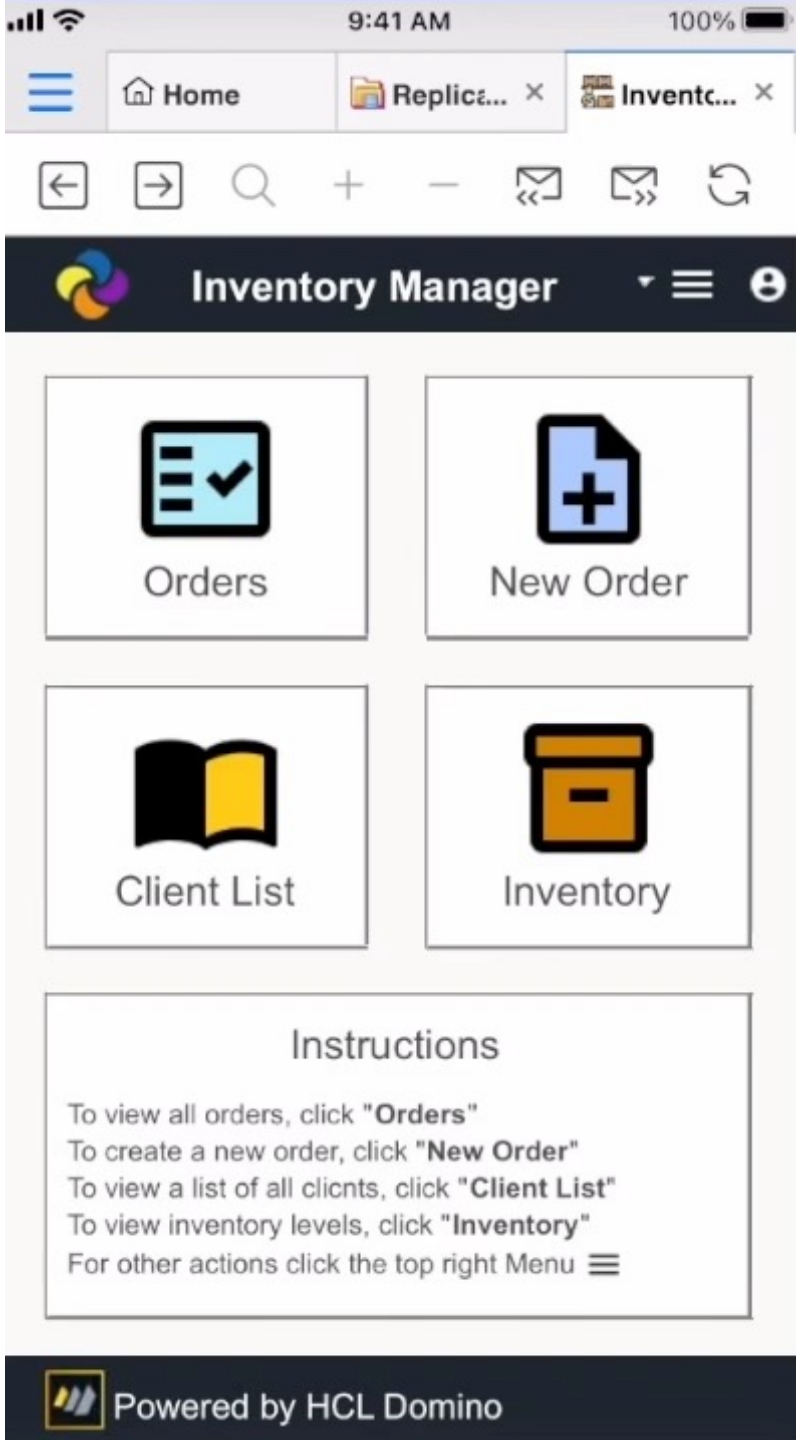
Demo – QR Code and Bar Code – Sales Rep on Mobile



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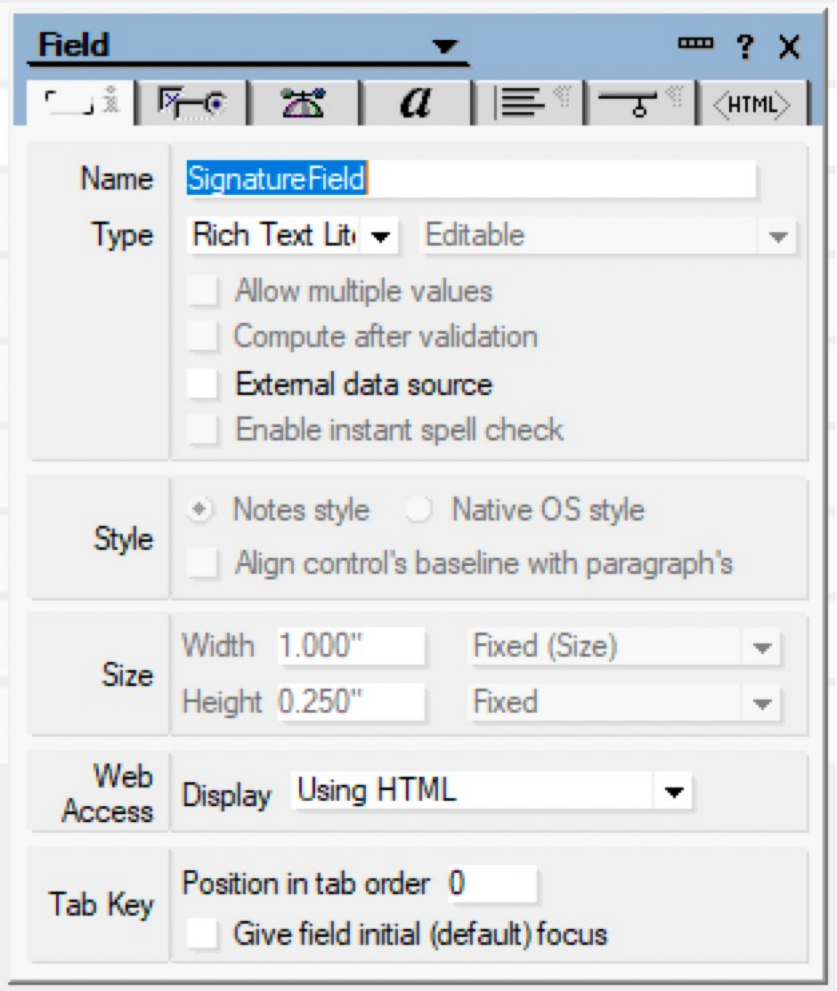
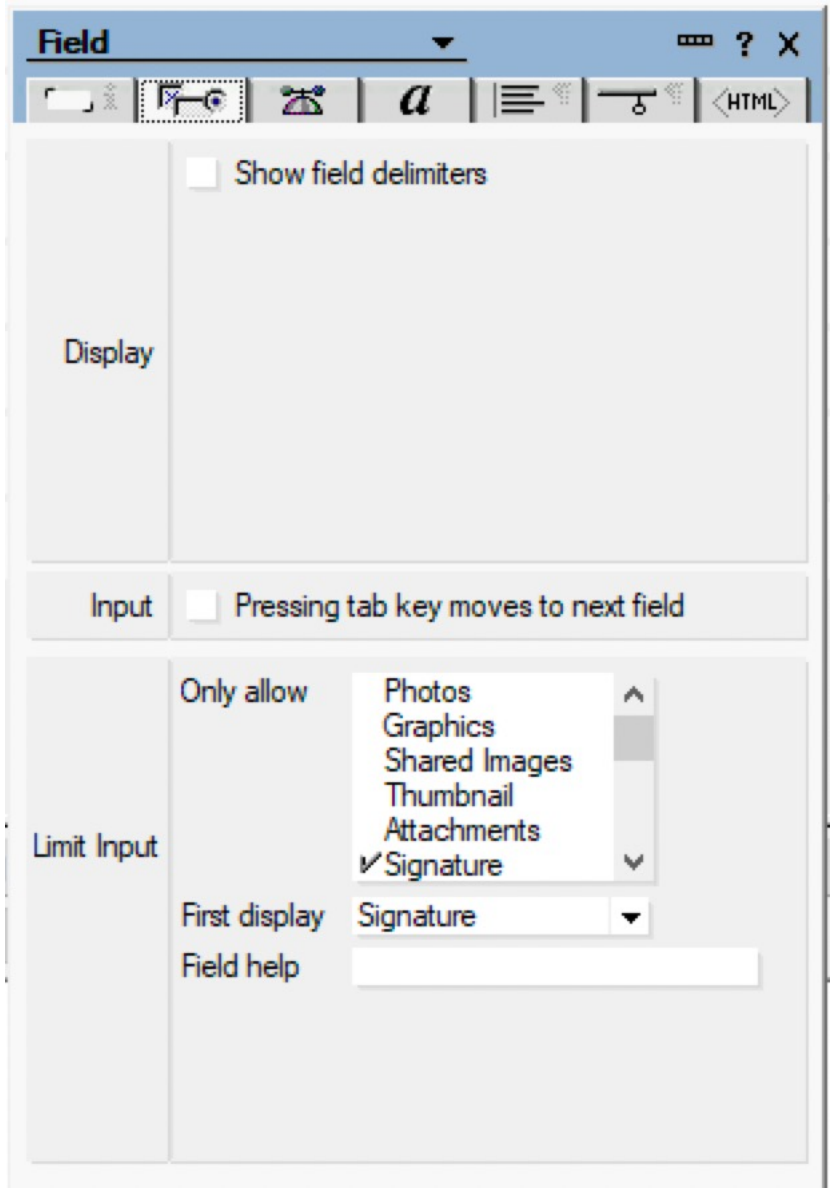
Signature as a Rich Text Lite option





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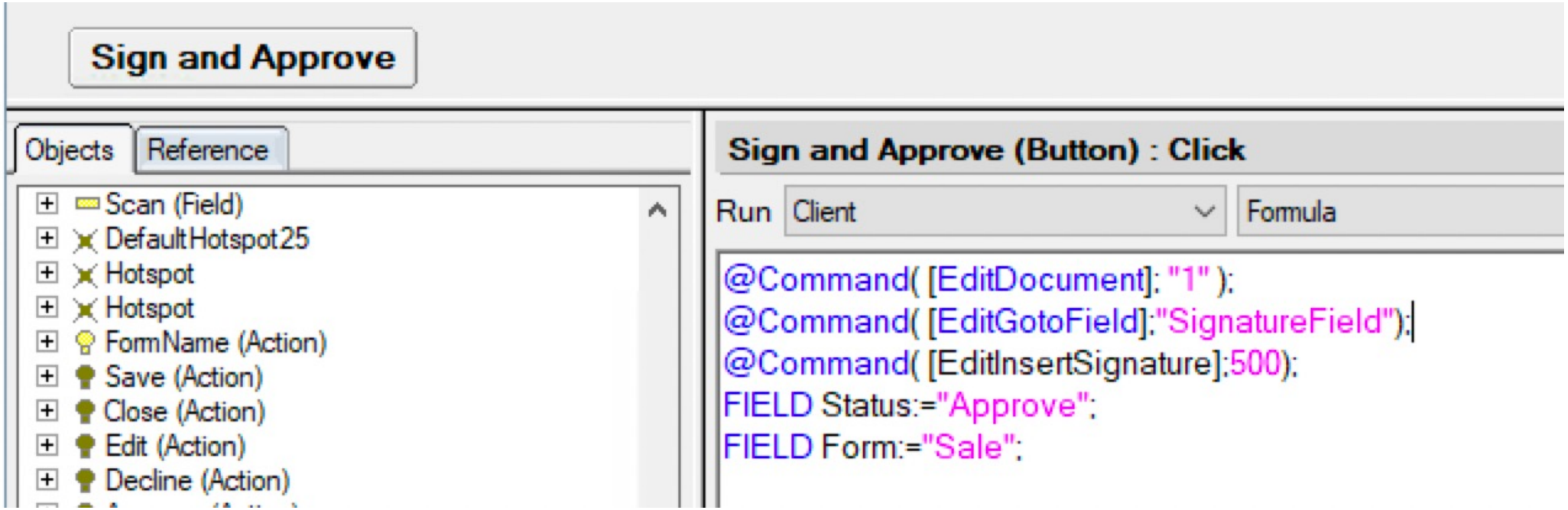
@Command([EditInsertSignature]; imageWidthSize)

- 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.



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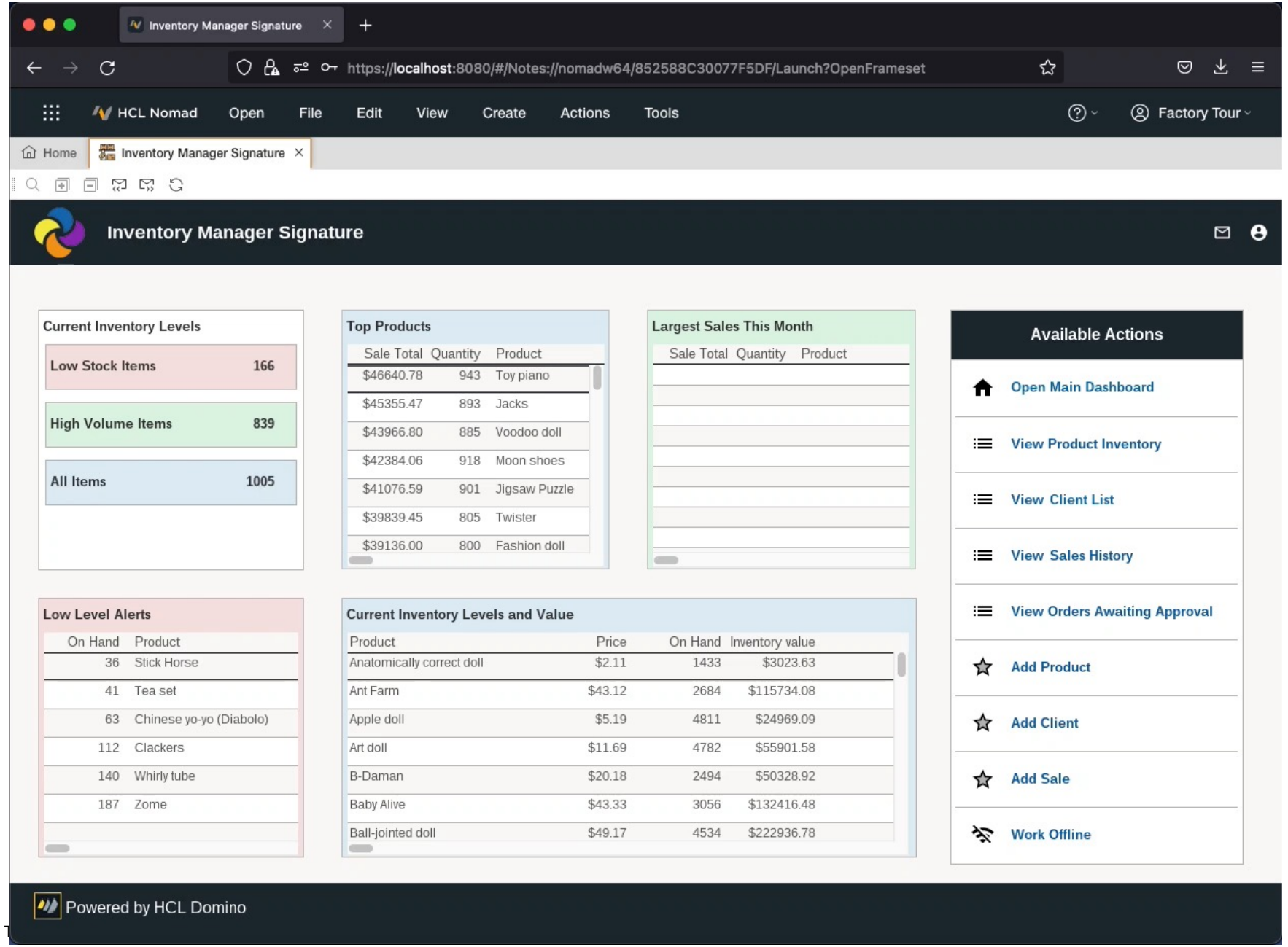
Demo – Capture Signature - Browser



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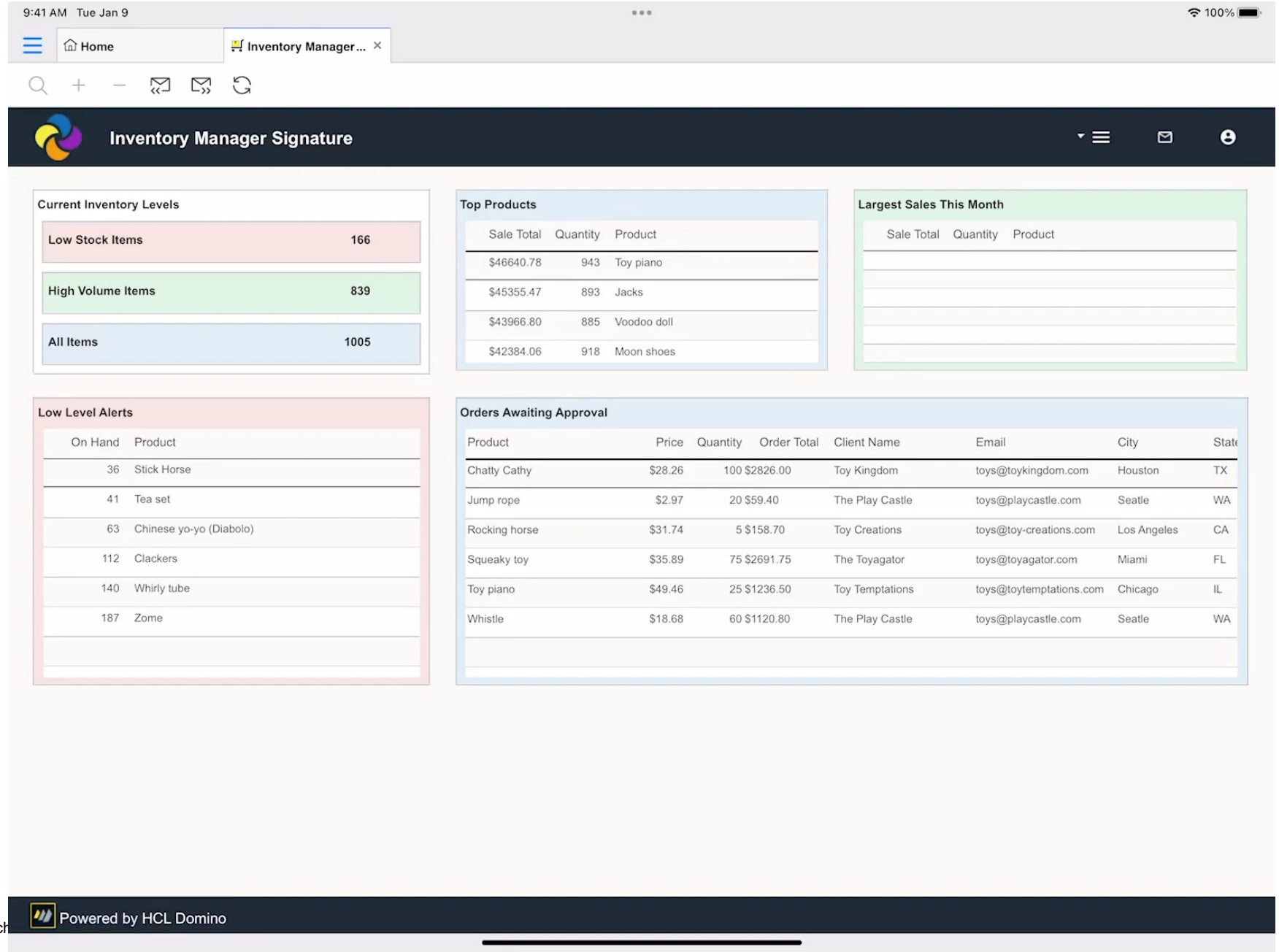
Demo – Capture Signature - iPad



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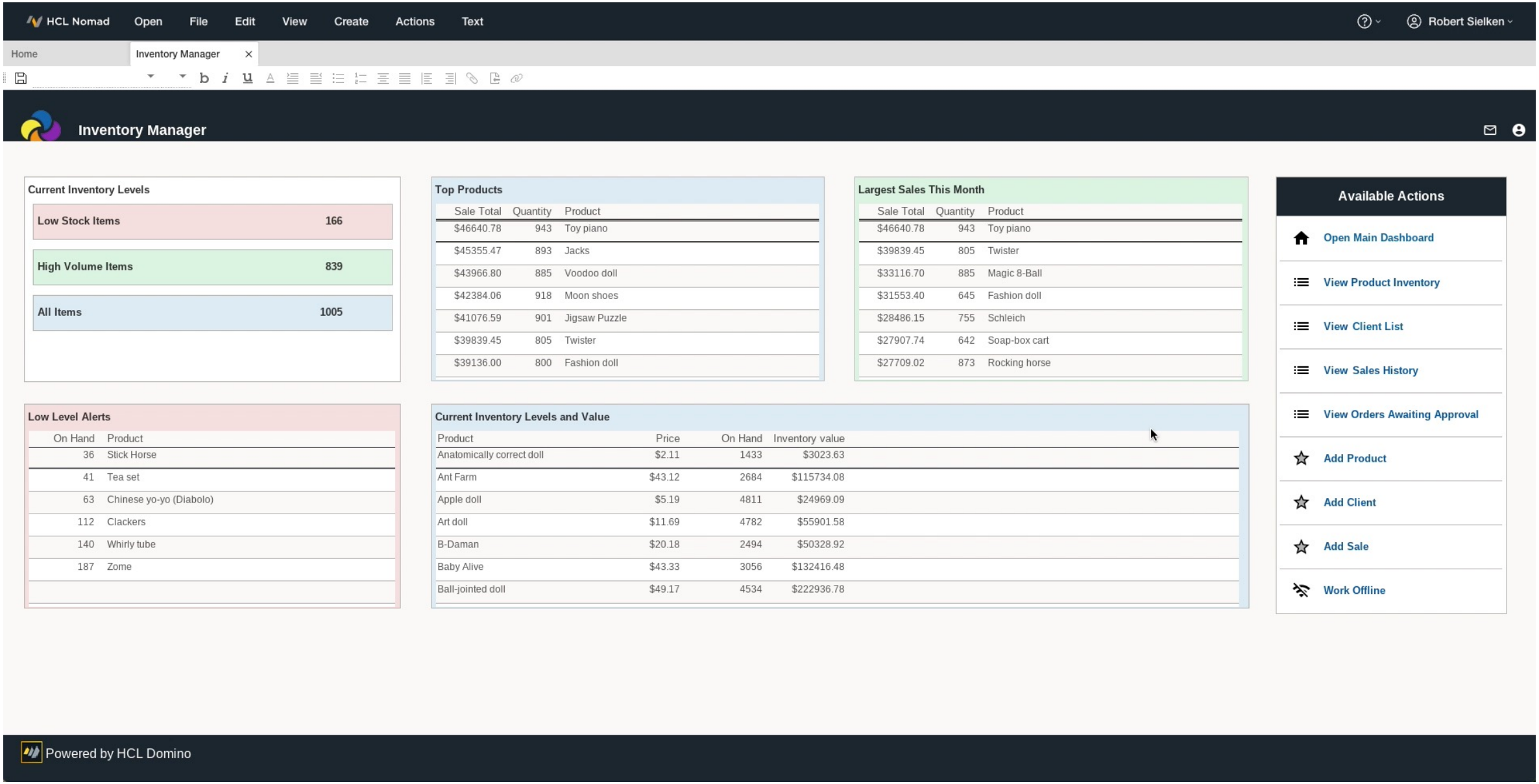
Demo – Printing and Replication



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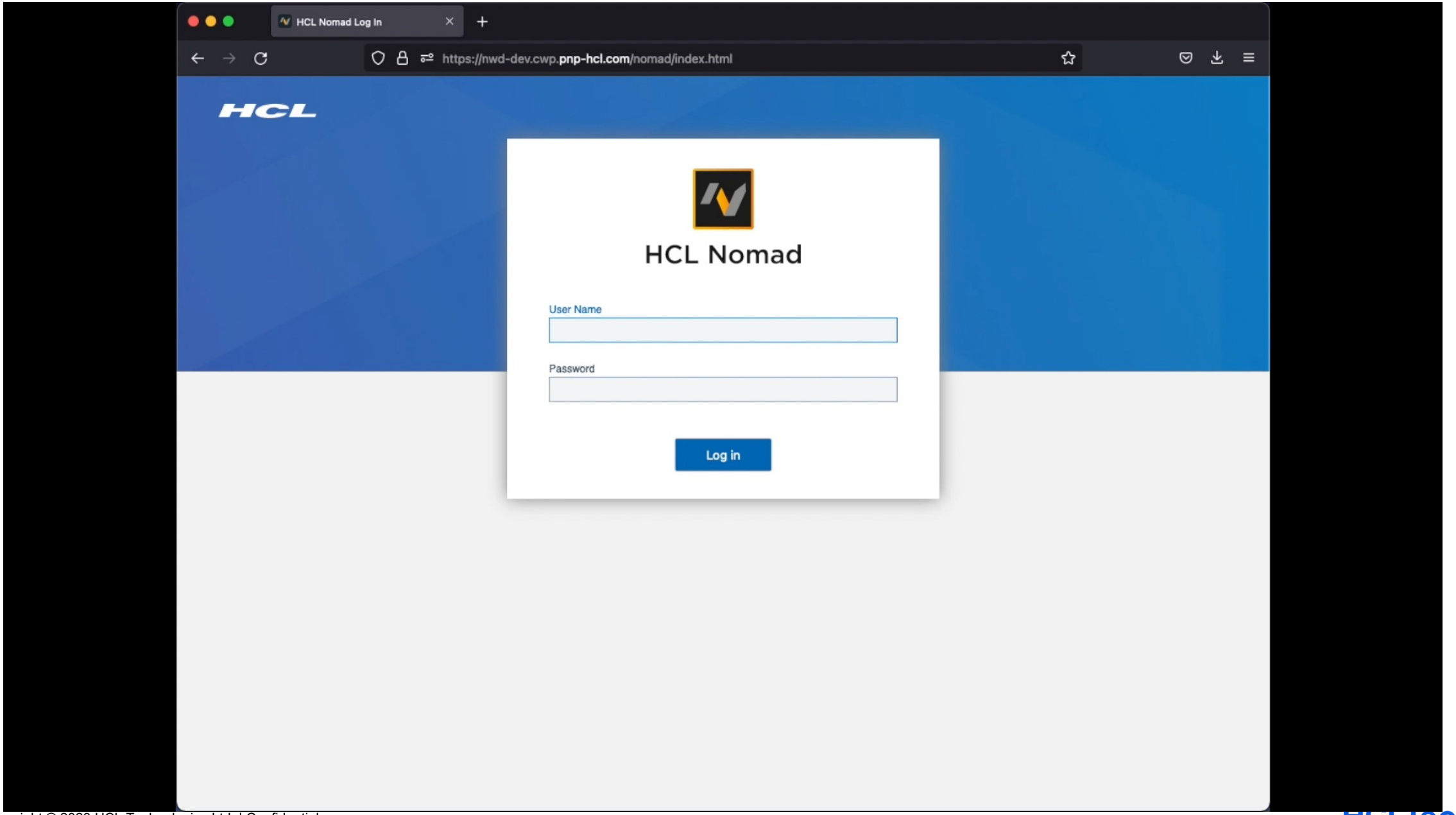
Demo – panagenda MarvelClient Nomad Roaming



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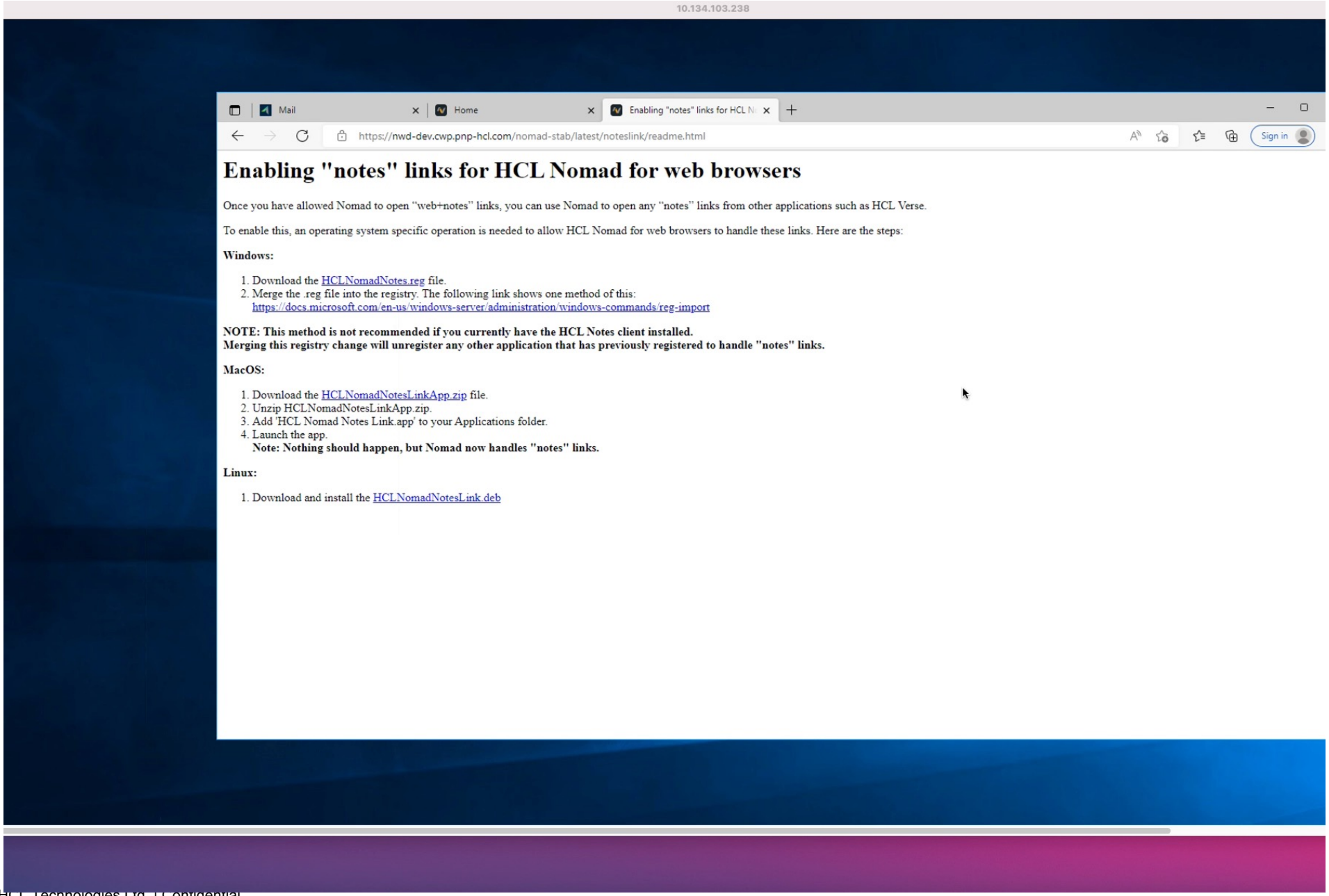
Demo - notes:// Protocol Handler *(/noteslink/readme.html)*



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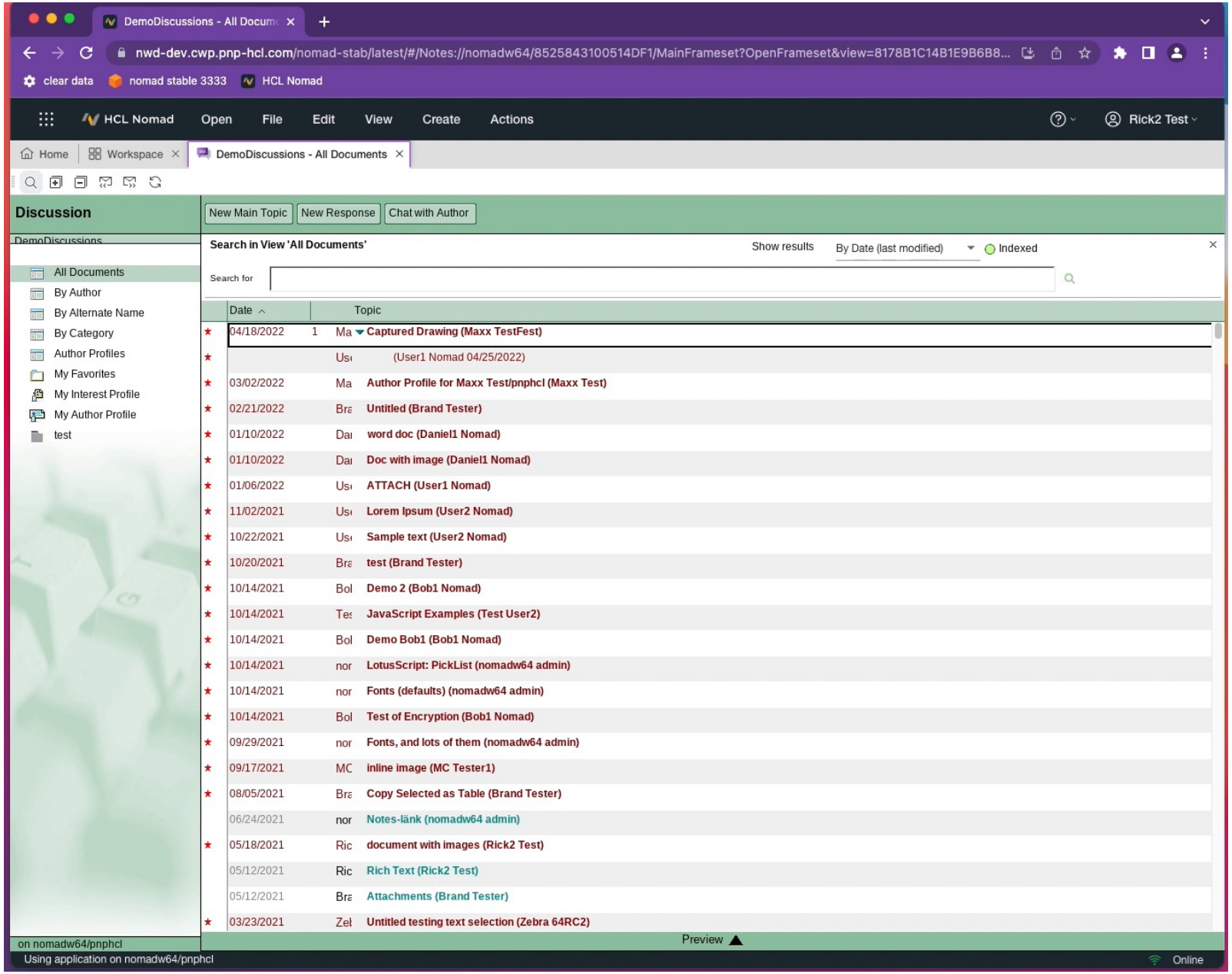
Demo – Export CSV File



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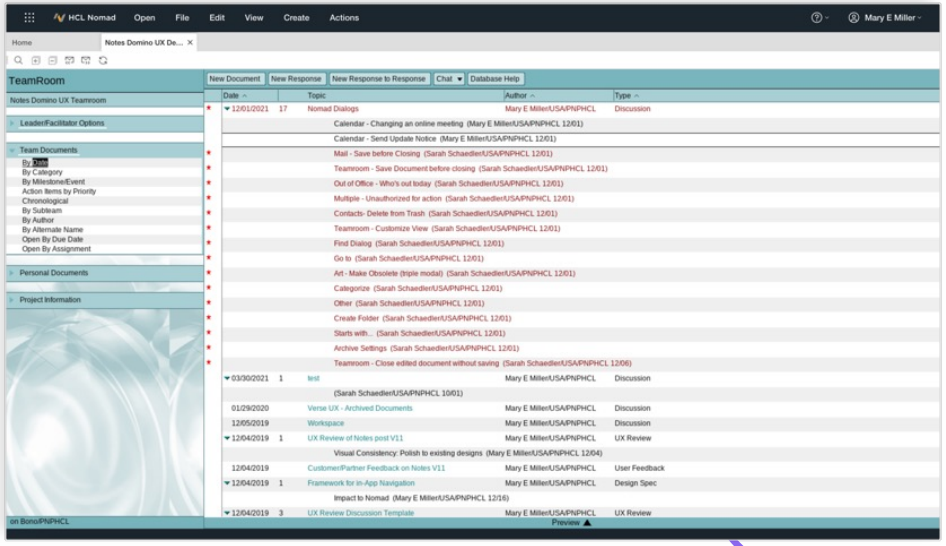
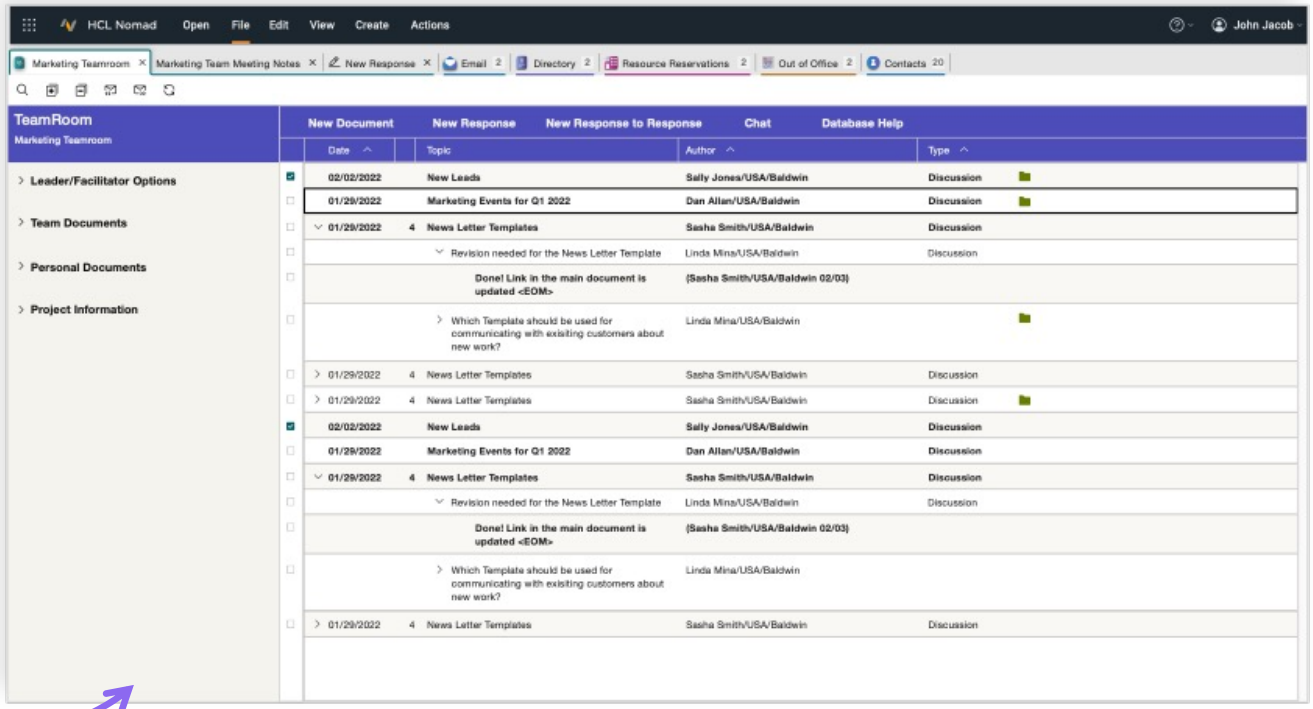
What is Domino Restyle?

04

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.

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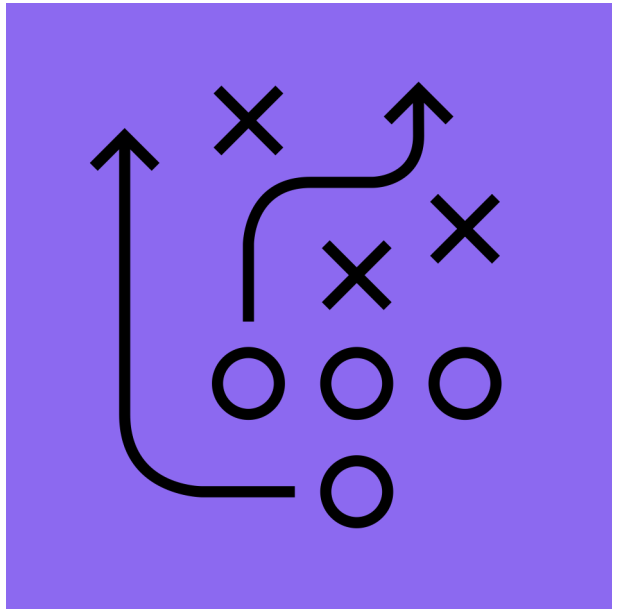
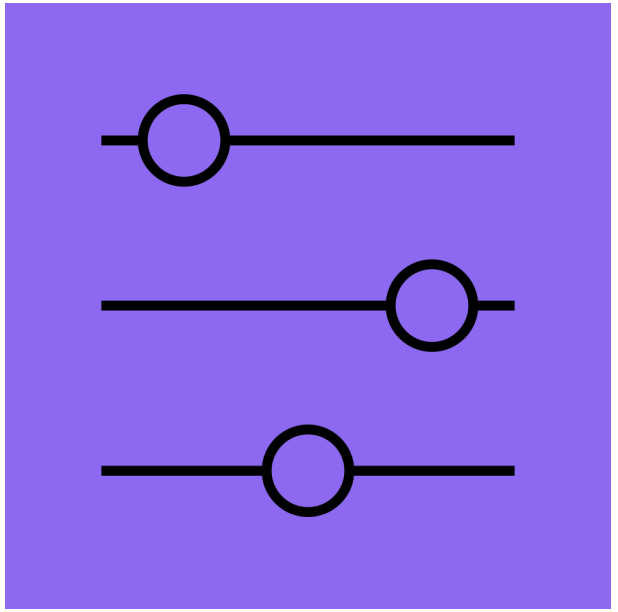
What is project Restyle?



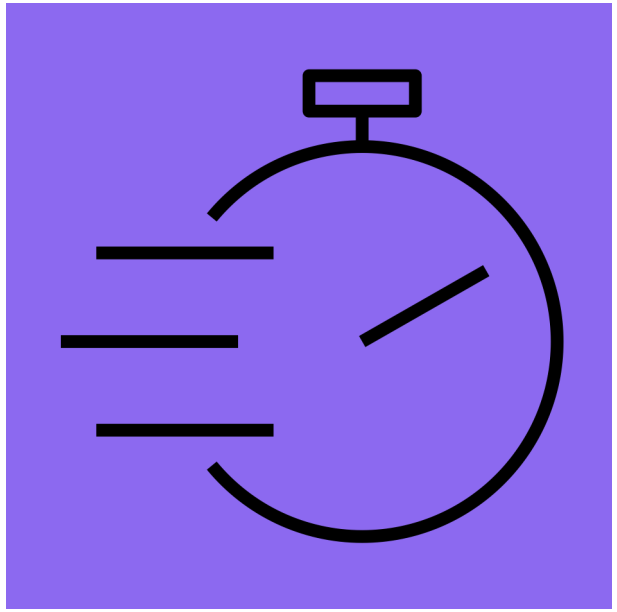
It is low risk.

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.



It is fast!

From days to minutes, to restyle an application.

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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.

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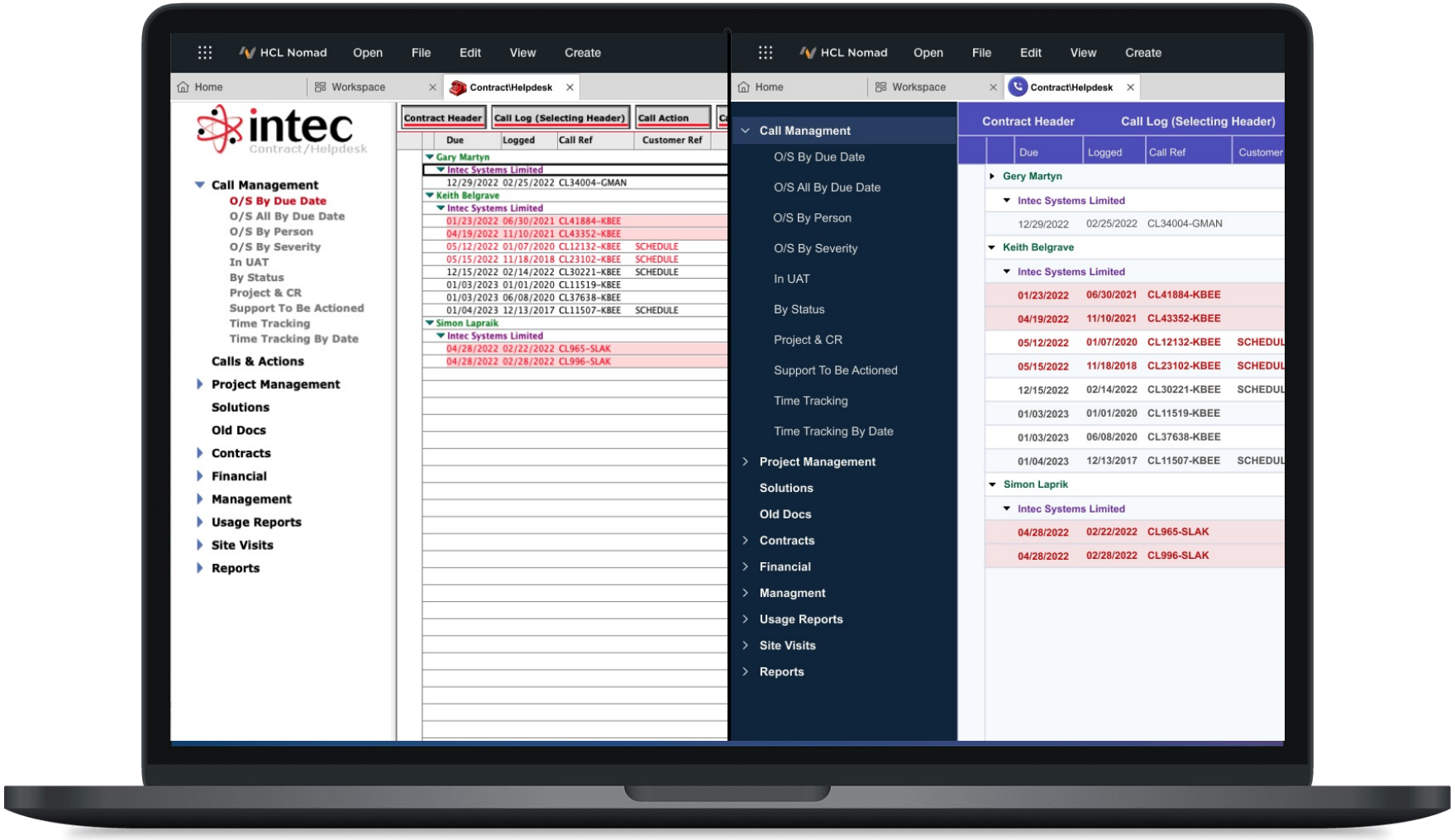
What we restyle:

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



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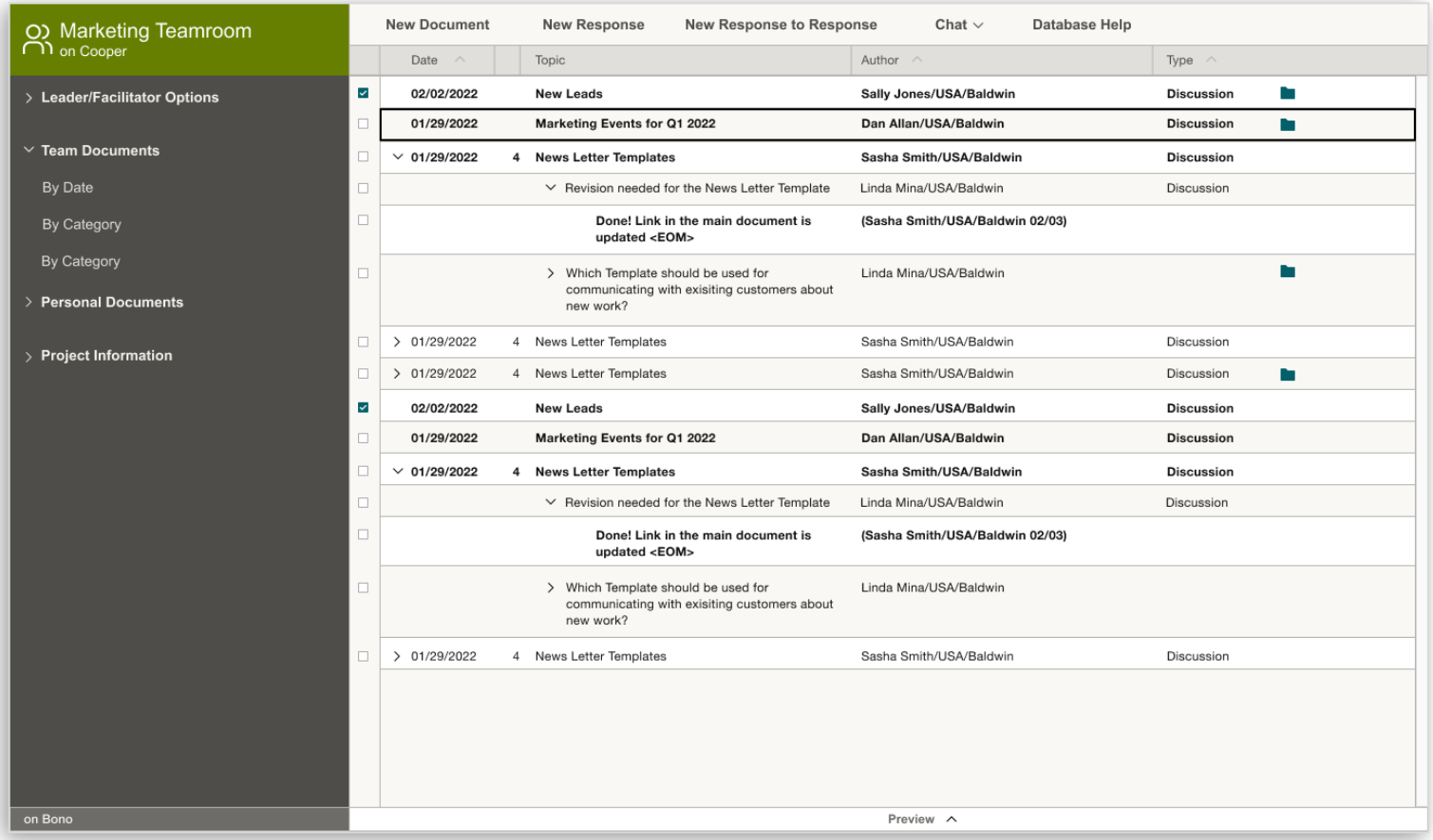
Restyle of Launch Properties and styling of Framesets

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



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Restyle Demo

05

Restyle: Design Framework

06

Application Color

Orange | Lime | Teal | Blue | Indigo | Purple | Pink | Custom: Coming soon

Usage:

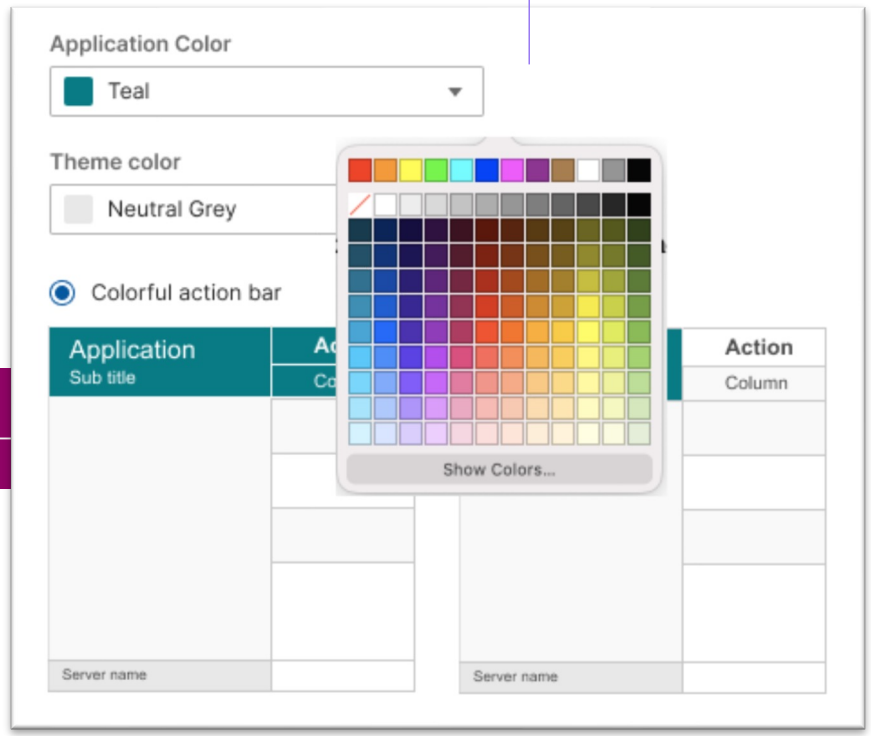
Marketing Teamroom
on Cooper

Application title page

New Document | New Response | New Response to Response | Chat | Database Help

Date | Topic | Author | Type

Buttons



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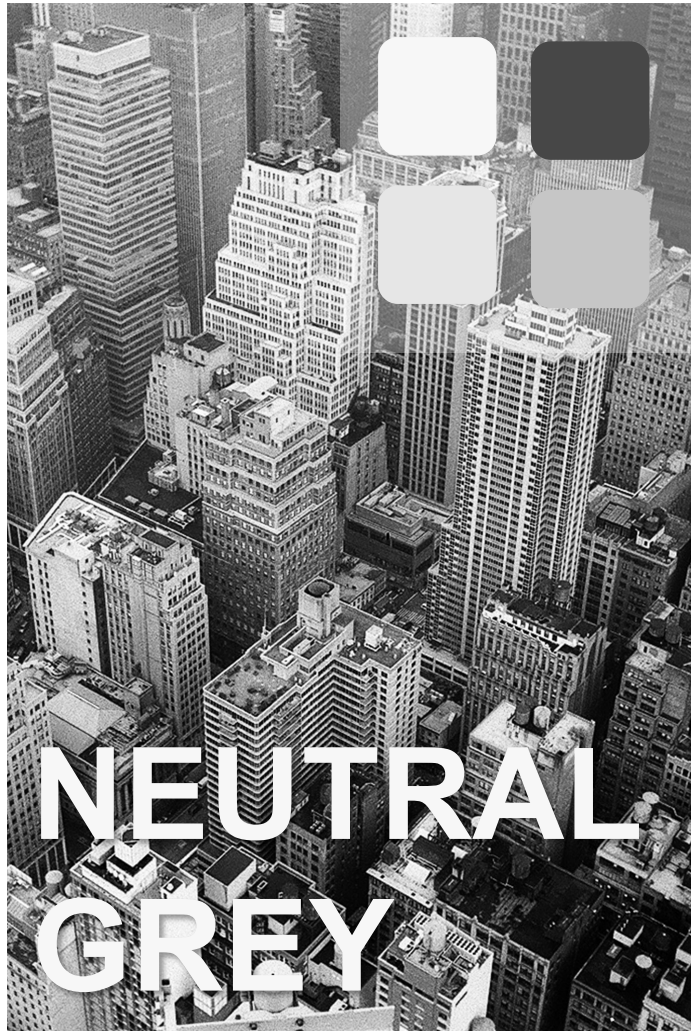
Theme Colors



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How are theme colors used?

Background

background.paper
#FFFFFF rgb(255,255,255)

background.light.primary
#F9F8F5 rgb(249,248,245)

background.light.secondary
#E0DFDB rgb(224,223,219)

background.border
#B5B4B0 rgb(181,180,176)

background.dark.primary
#4E4D4A rgb(78,77,74)

background.dark.secondary
#6E6C68 rgb(110,108,104)

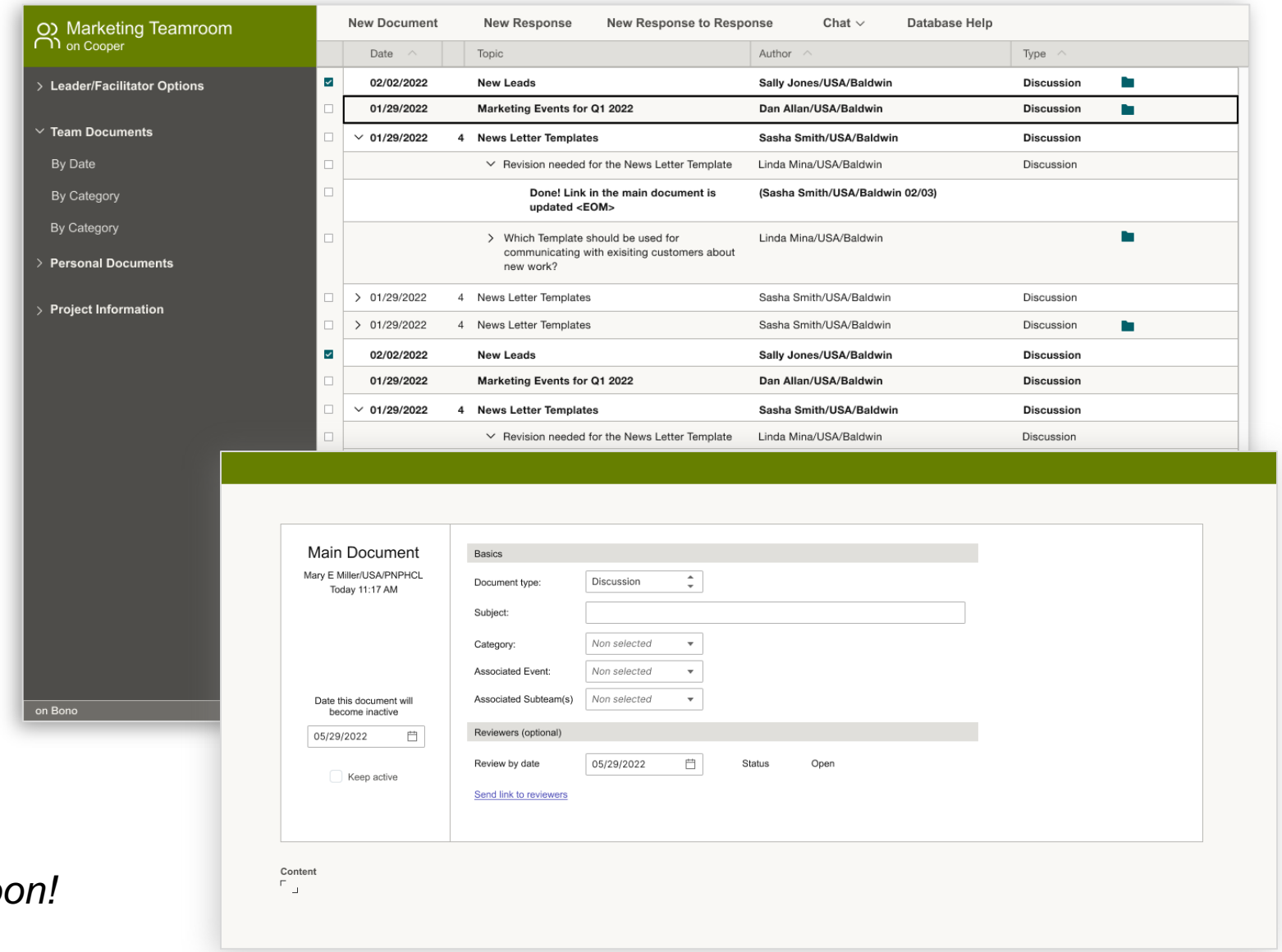
Text

A **text.darkbg.primary**
#F5F3ED rgb(245,243,237)

A **text.darkbg.secondary**
#E0DFDB rgb(224,223,219)

A **text.lightbg.primary**
#4E4D4A rgb(78,77,74)

A **text.lightbg.secondary**
#6E6C68 rgb(110,108,104)



Customization of these colors coming soon!

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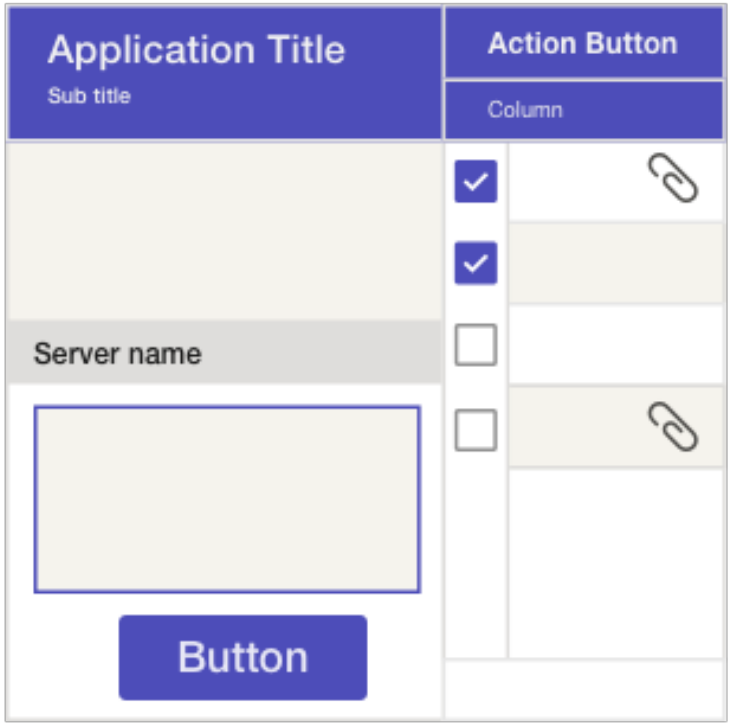
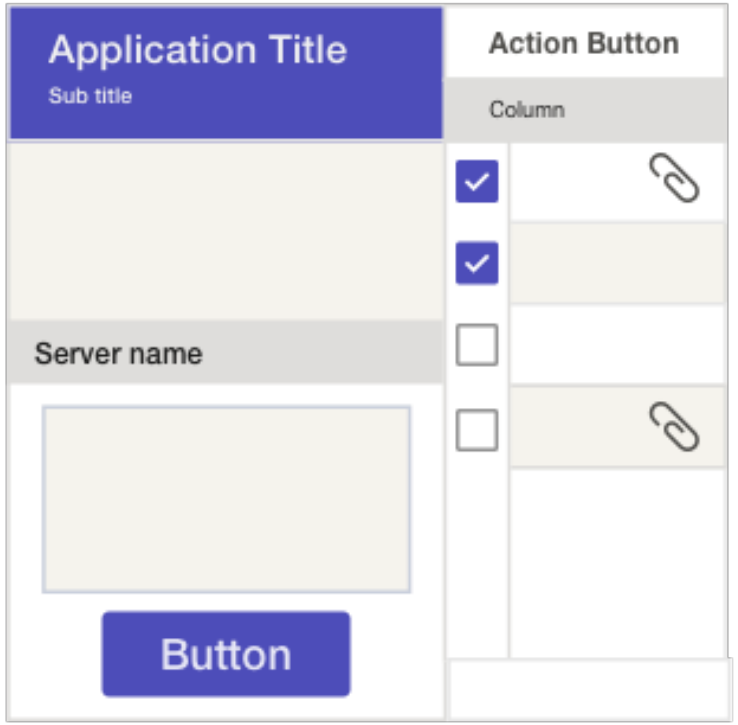
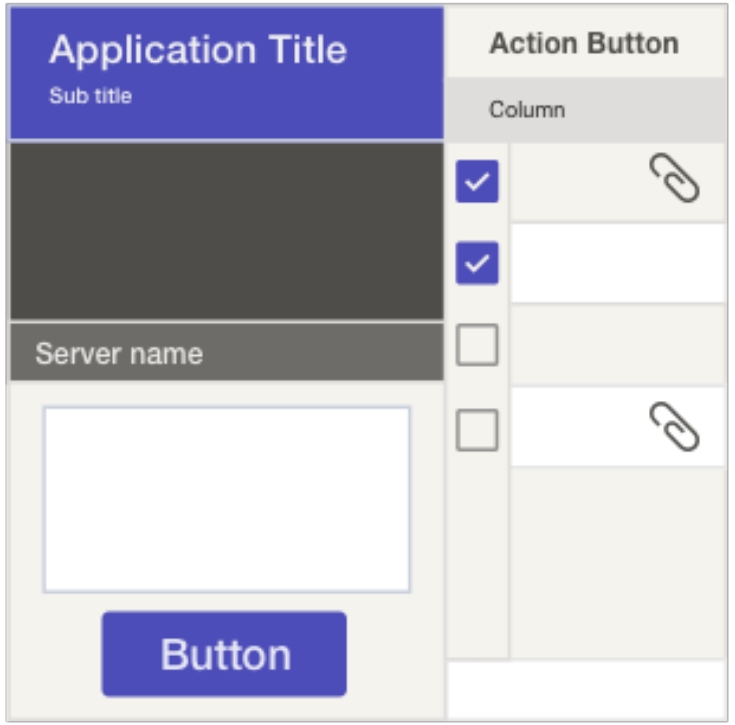
Theme: The way colors are applied



Colorful action bar



Simple



Dark outline

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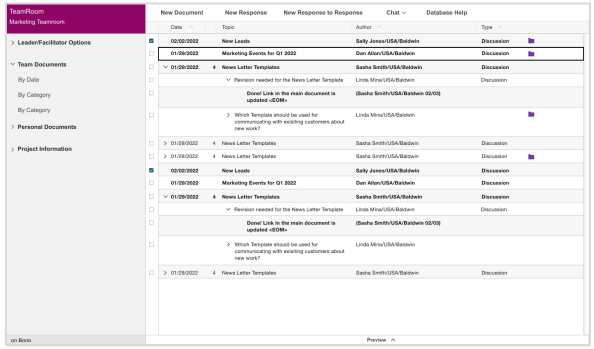
Overview to Theme Options

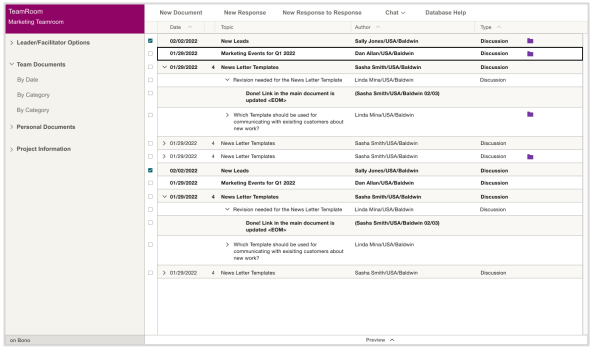
Neutral Grey

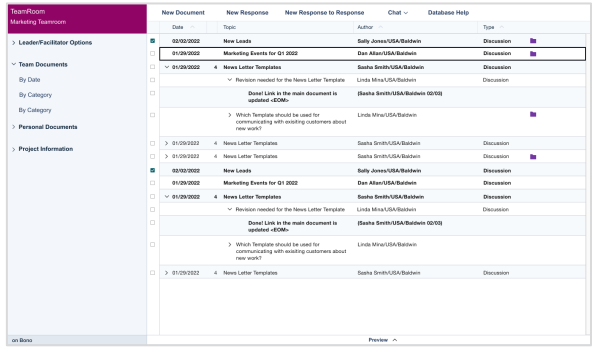
Creamy Taupe

Sea Breeze

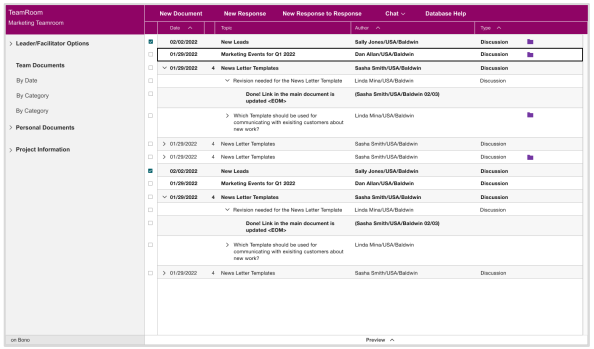
Simple

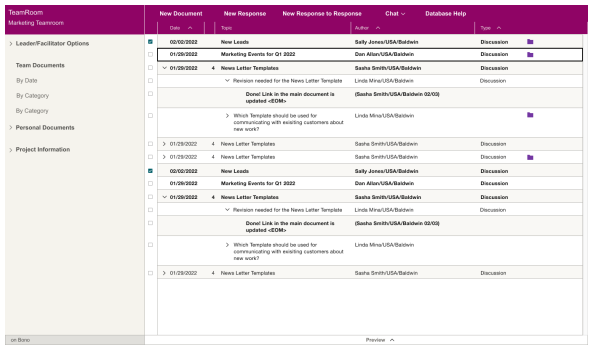


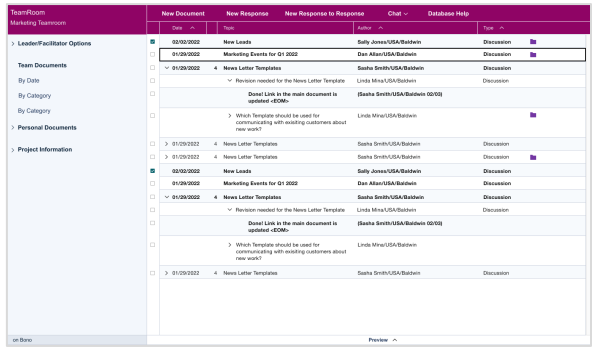




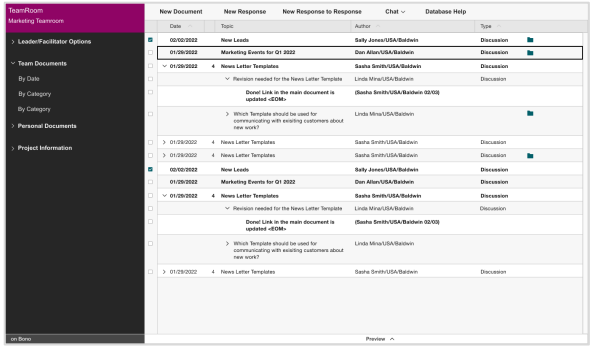
Colorful Action bar

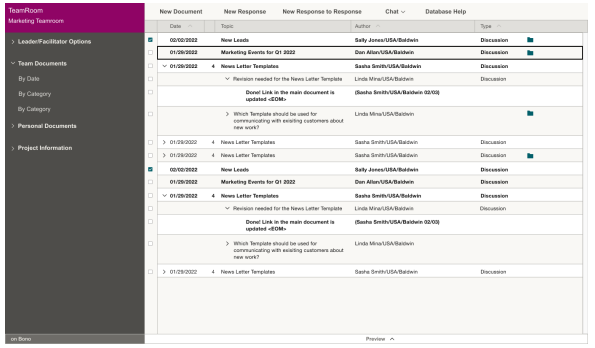


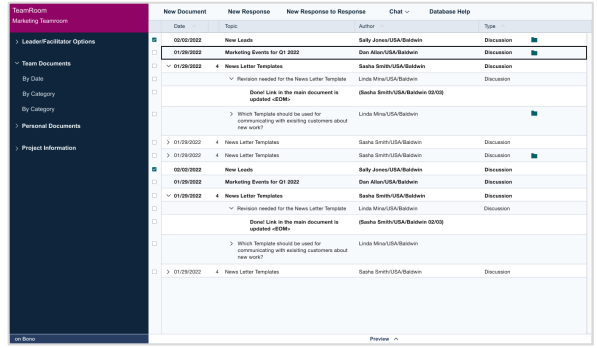




Dark outline







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Images and Color Mapping

Creamy Taupe

Sea Breeze

Neutral

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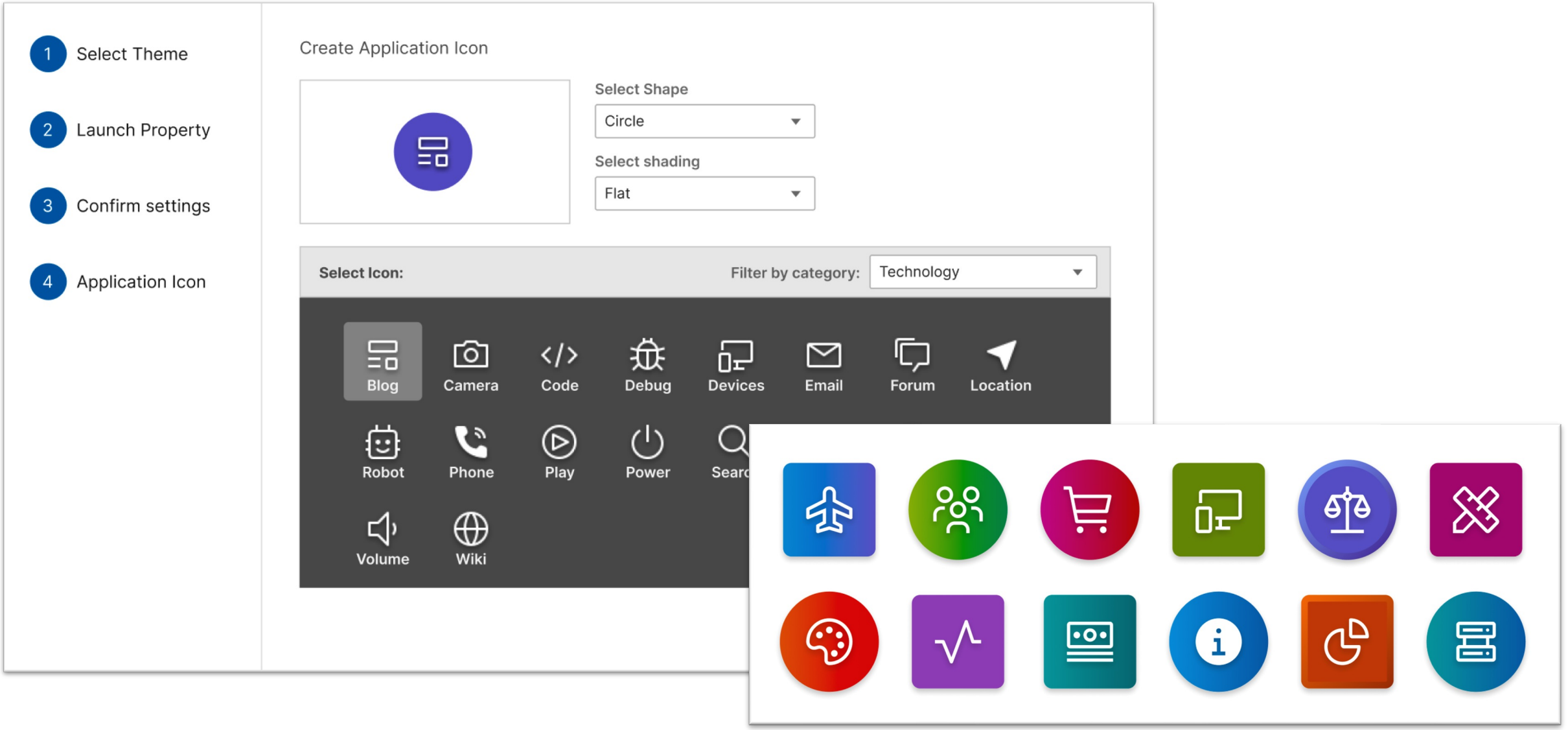
Application Icon Generator

Coming soon!



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Restyle: Development Details

07

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.

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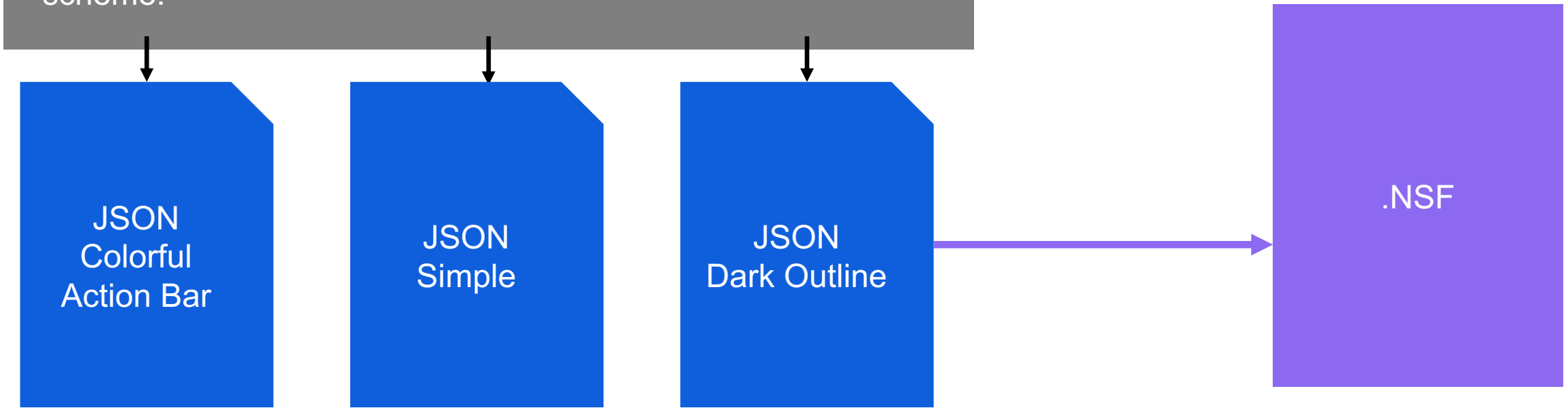
How it works:

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.



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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

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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.

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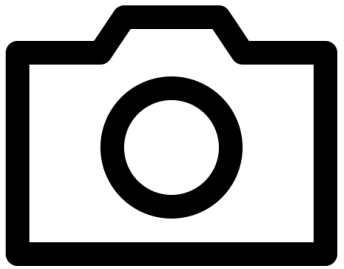
Available Now

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



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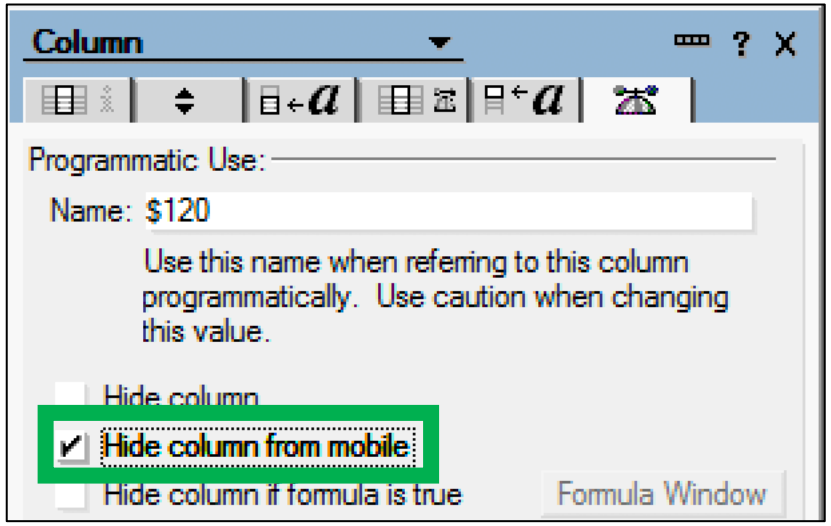
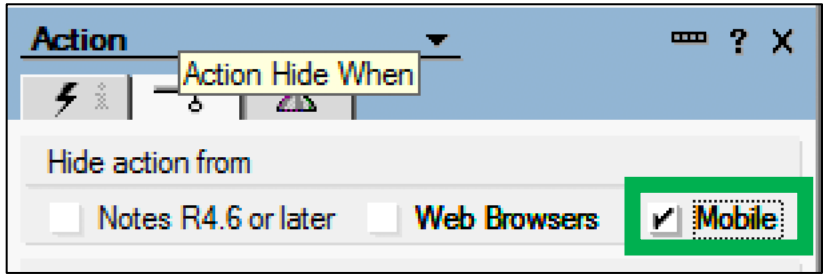
Designing for Nomad Mobile

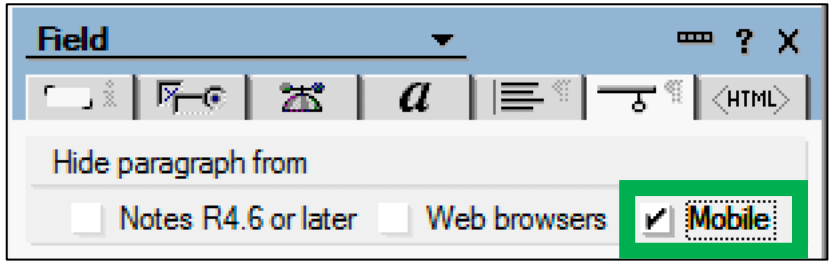
08

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







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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**”

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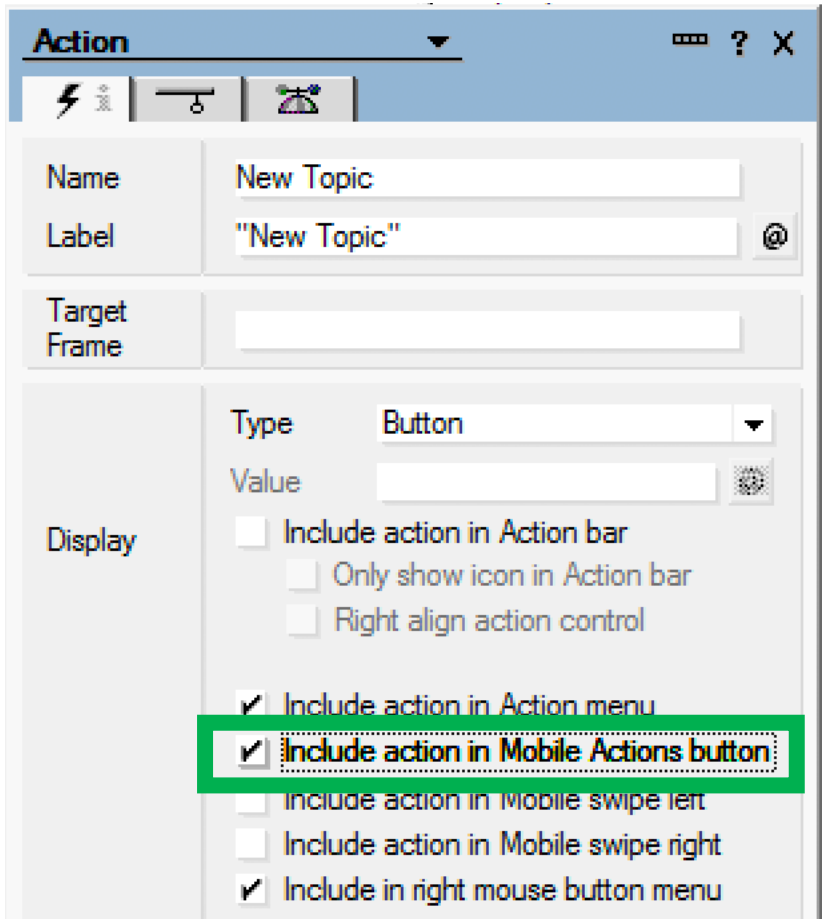
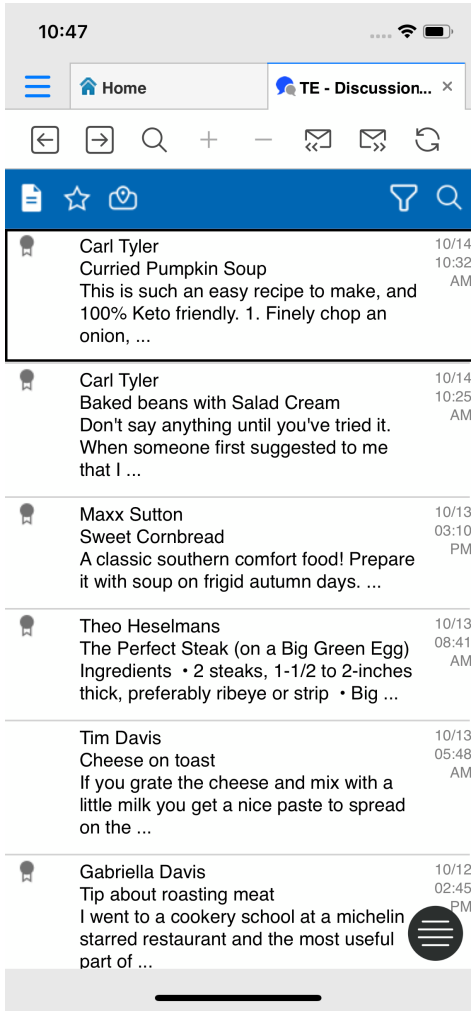
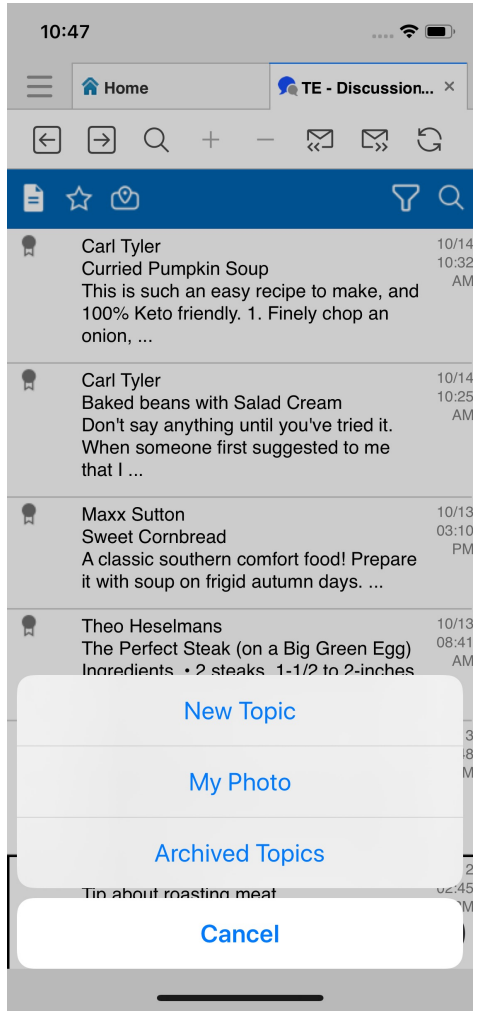
Mobile Actions button







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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.

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References

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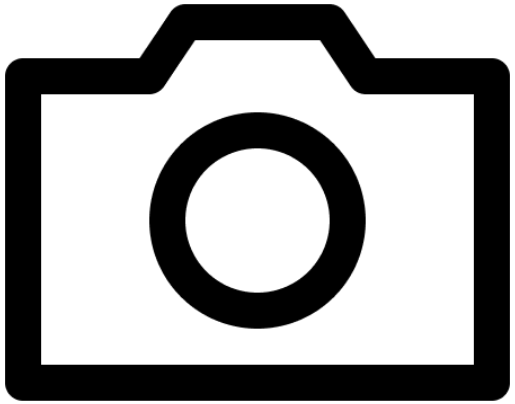
References

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

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Questions and Answers

10

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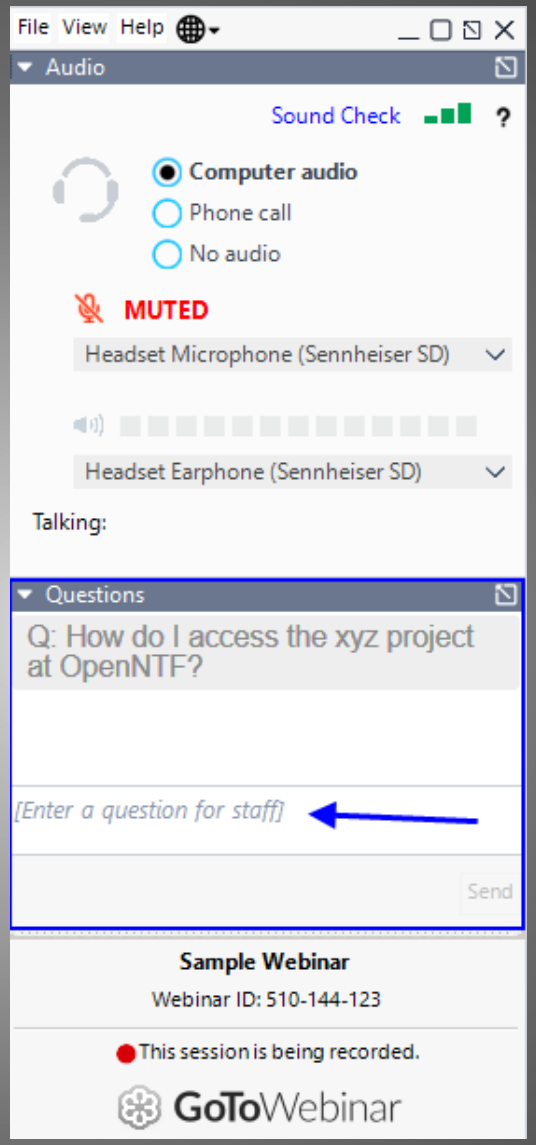
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