

ST06: Connections V8 Live Demo

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Face to Face, at last!

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Agenda

- Overview
- Customization Goals
- Customization Demos
- Upgrade Considerations

Agenda

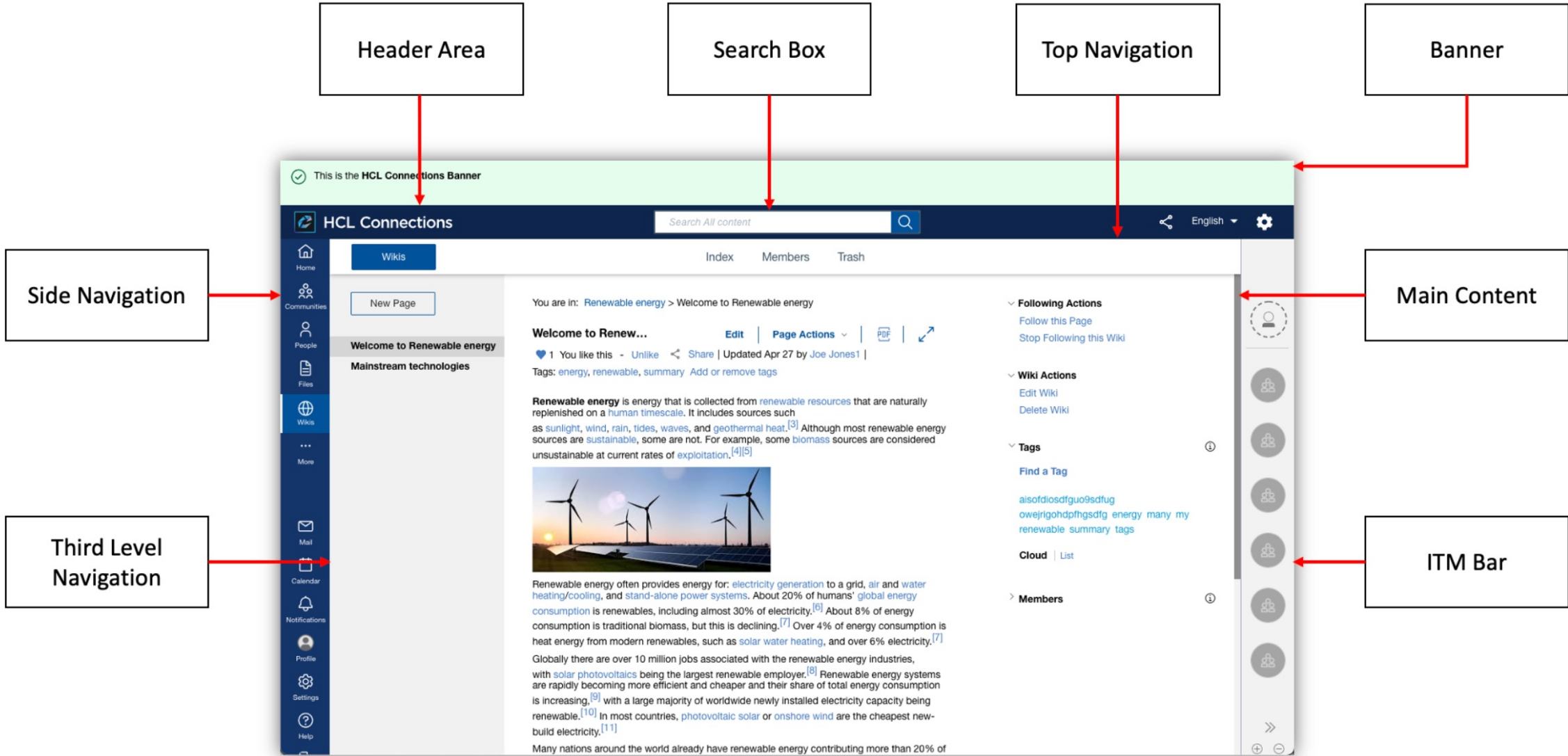
- Overview
- Customization Goals
- Customization Demos
- Upgrade Considerations

Demo Time



■ Connections 8 Quick Tour

Connections 8 UI Overview



Agenda

- Overview
- Customization Goals
 - Extensibility
 - App Registry / Non-CP Persistence
 - Style Guide
- Customization Demos
- Upgrade Considerations

Customization Extensibility

- Both functional and cosmetic customization
- Designed into the new React components
- Declarative configuration
- Easier to administer
- Dynamic changes vs. server restarts
- Upgrade durability
- Documentation + examples delivered via GitHub

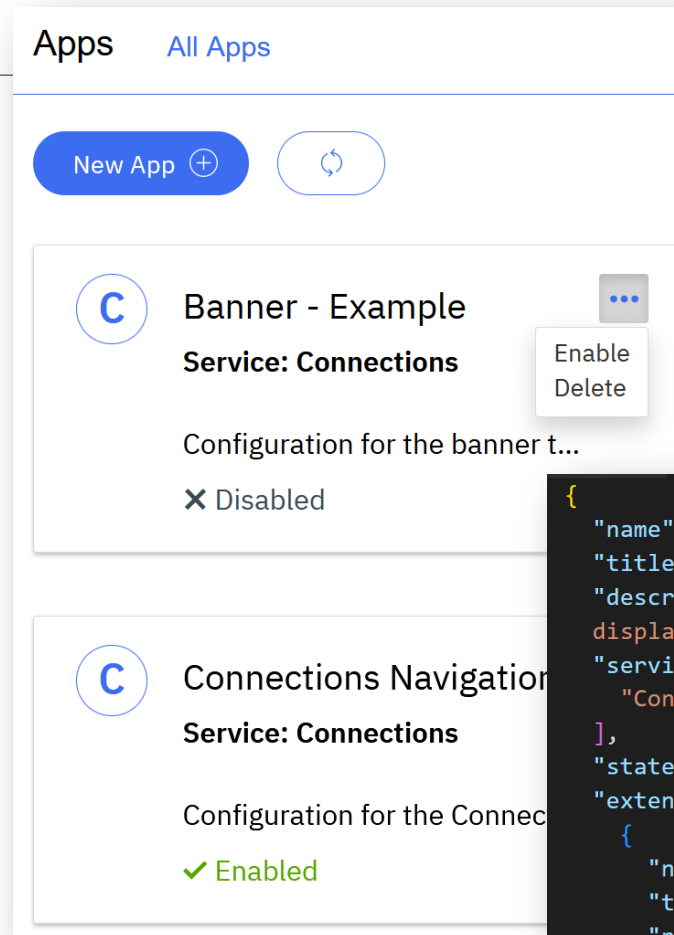
Demo Time



- Appregistry Extensions
- Alternate / Non-CP Extensions
- Style Guide

Appregistry Extensions

- Simple JSON payloads
- Scope to CNX services or extension types
- Persisted in MongoDB; survive across upgrades
- One-click enable / disable
- Take effect dynamically; next refresh
- Expanding into several areas beyond the original concept for Customizer



```
{
  "name": "Banner - Example",
  "title": "Banner - Example",
  "description": "Configuration for the banner that will be displayed at the top of Connections pages.",
  "services": [
    "Connections"
  ],
  "state": "disabled",
  "extensions": [
    {
      "name": "connections-banner-error",
      "type": "com.hcl.connections.banner",
      "payload": {
        "open": true,
        "message": [
          "This is the <strong>HCL Connections Banner!</strong>"
        ],
        "severity": "success"
      },
      "path": "global",
      "state": "enabled"
    }
  ]
}
```

Alternate / Non-CP Extensions

- Window scoped JS variables serve as fallback for non-CP environments

```
window.connectionsExtension
▼ {com.hcl.connections.banner: {...}, com.hcl.connections.custom.style: {...}, com.hcl.connections.nav: {...}, com.hcl.search.customization: {...}} ⓘ
  ▶ com.hcl.connections.banner: {open: true, message: Array(2), severity: 'success'}
  ▶ com.hcl.connections.custom.style: {style-customization: {...}}
  ▶ com.hcl.connections.nav: {customEntries: Array(4)}
  ▶ com.hcl.search.customization: {name: 'customizedSearchDisplay', title: 'Customized Search Display', description: 'Properties to customize Se...
```

- Banner supports ICXT for dynamic updates

- GET /ic360/ui/api/admin-banner/config.json
- PUT /ic360/ui/api/admin-banner/config.json
- PUT /ic360/ui/api/admin-banner/enable
- PUT /ic360/ui/api/admin-banner/disable
- POST /ic360/ui/api/admin-banner/invalidate-cache.json

```
GET https://gaia-dev-proxy.cnx.cwp.pnp-hcl.com/ic360/ui/api/admin-banner/config.json
```

```
1 {
2   "severity": "info",
3   "message": [
4     "This is the Connections ",
5     "<strong>Admin Banner</strong>"
6   ],
7   "open": false
8 }
```

Style Customization Documentation

Custom Styles

The Connections Custom Styles are a generic way of applying style customizations to Connections components. The core idea is that components expect and support properties to define their styling. With this, most components allow adjustments of coloring to match different themes and branding requirements. In other cases sizes of elements or fonts can be defined.

The [Configuration Example](#) provides an illustration of how these properties are expected to be defined on the sample and contain a list of the various properties that are supported and that can be customized on components.

Configuration Example

The following JSON snippet contains properties that can be used to alter the makeup of the header area

```
"style-customization": {
  "generic": {
    "--color-header": "red",
    "--color-navigation": "yellow",
    "--color-footer": "pink",
    "--color-itmbar": "cyan",
    "--size-itmbar-icon": "30px"
  },
  "top-navigation": {
    ...
  }
}
```

Header Area

Property Key	Default Value	Usage Example / Notes
--color-header	#0D264D	Background color
--color-header-text	#FFFFFF	Color of text in the header area
--size-header-image-height	30px	Height of the header logo, scales both height and width
--size-header-spacing	20px	Spacing between elements within the header area

Side Navigation

Property Key	Default Value	Usage Example / Notes
--color-navigation	#14356A	Background color
--color-navigation-selected	#01539B	Background color of active/selected option
--color-navigation-text	#FFFFFF	Side navigation text color

Third Level Navigation

Property Key	Default Value	Usage Example / Notes
--color-third-navigation	#f1f1f1	Background color
--color-third-navigation-selected	#d5d5d5	Background color of active/selected option
--color-third-navigation-text	#000000	Third level navigation text color

Agenda

- Overview
- Customization Goals
- Customization Demos
 - Styles and Theming
 - Header Area
 - Navigation
 - Admin Banner
 - Search and Share
- Upgrade Considerations

Demo Time



■ Styles Customization

- Colors
- Fonts
- etc.

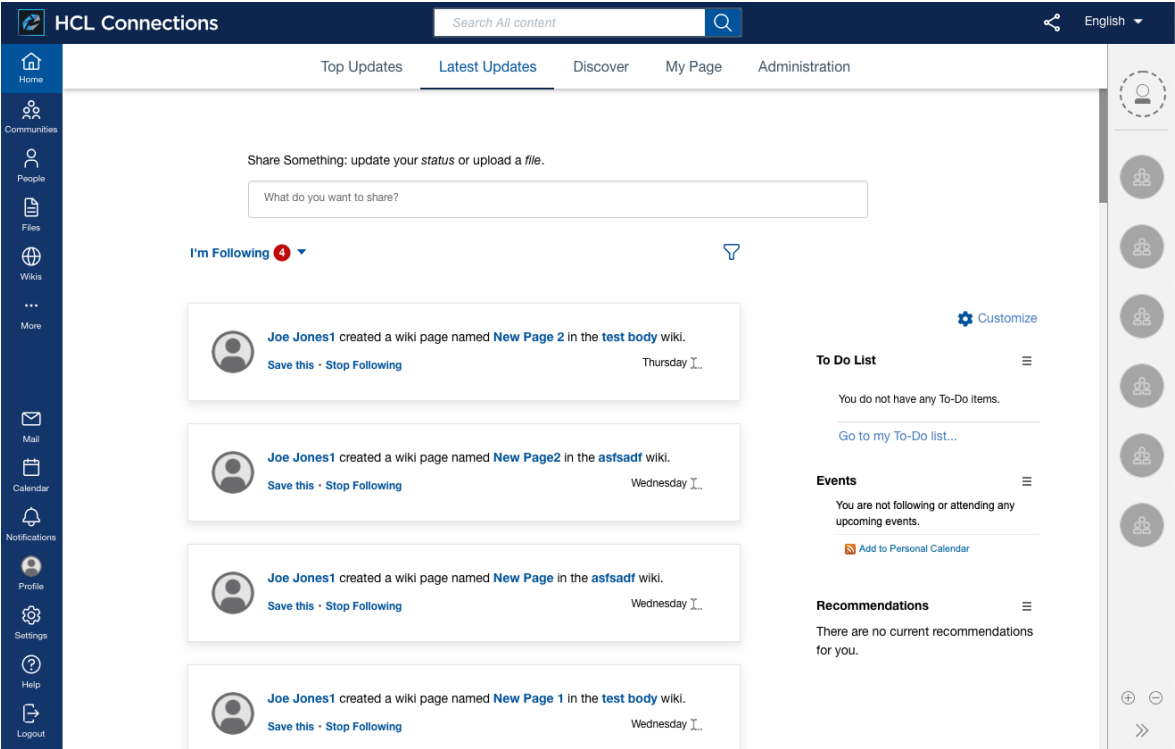
Style Customization Extension Example

- Name, description, service scope, overall enabled
- Object with generic key – value properties
- App Reg request caching
- Extension path, extension enabled

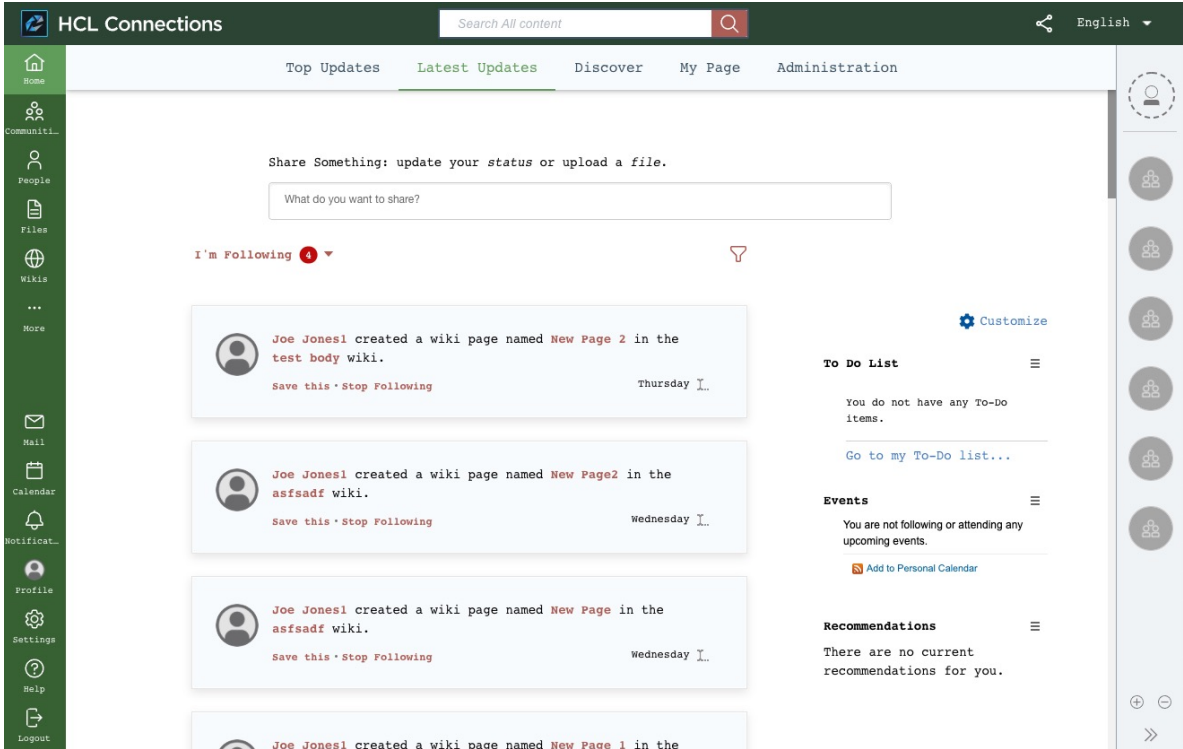
```
{
  "name": "Connections Custom Style - Green Coders",
  "title": "Connections Custom Style - Green Coders",
  "description": "Connections Custom Style - Green Coders",
  "services": [
    "Connections"
  ],
  "state": "enabled",
  "extensions": [
    {
      "name": "connections-custom-style-green-coders",
      "type": "com.hcl.connections.custom.style",
      "payload": {
        "style-customization": {
          "generic": {
            "--color-main-background": "#F8FBFD",
            "--color-header": "#2c4433",
            "--color-navigation": "#366032",
            "--color-navigation-selected": "#609c5a",
            "--color-footer": "#2c4433",
            "--color-itmbar": "#F0F3F5",
            "--color-button": "#AB5D56",
            "--color-button-hover": "#7B2D26",
            "--color-link": "#AB5D56",
            "--color-link-hover": "#7B2D26",
            "--color-tab": "#F8FBFD",
            "--color-tab-text-selected": "#609c5a",
            "--color-tab-border-selected": "#609c5a",
            "--font-family": "monospace, Helvetica Neue, Arial, sans-serif"
          }
        }
      },
      "cacheExpiration": 20000
    },
    {
      "path": "global",
      "state": "enabled"
    }
  ]
}
```

Style Customization Before / After

Before



After



Demo Time



- Navigation Customization
 - Add entries
 - Modify entries
 - Remove entries
 - Translation

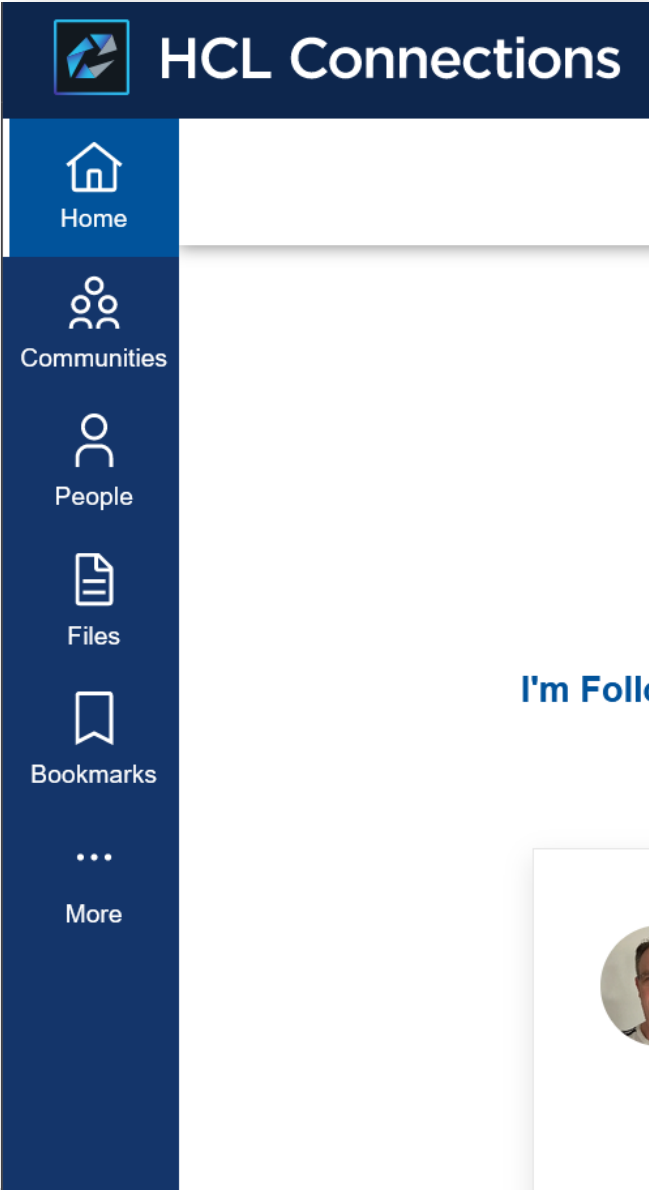
Navigation Customization Extension Example

- Name, description, service scope, overall enabled
- Array of entries, actions and properties to be applied; two added and one modified
- Extension path, extension enabled

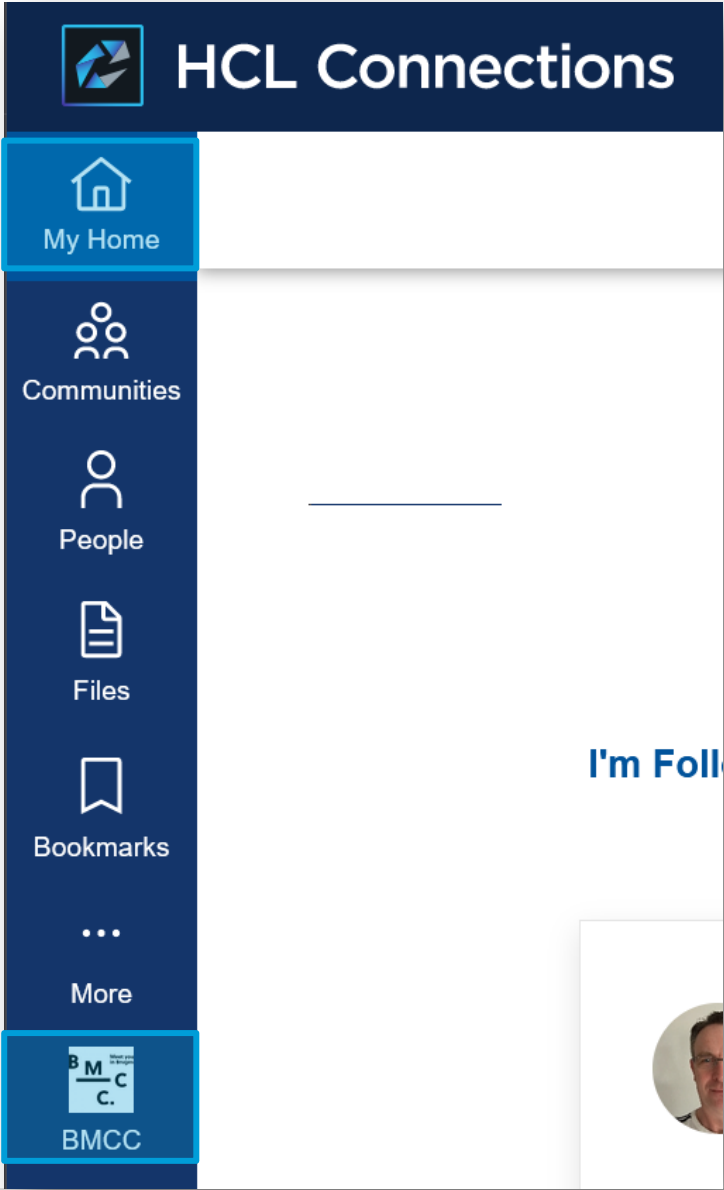
```
{
  "name": "EngageUG-Navigation",
  "title": "EngageUG-Navigation",
  "description": "Example navigation extension for EngageUG demo..",
  "services": [
    "Connections"
  ],
  "state": "enabled",
  "extensions": [
    {
      "name": "connections-nav-engageug",
      "type": "com.hcl.connections.nav",
      "payload": {
        "customEntries": [
          {
            "id": "bmcc_id1",
            "name": "BMCC",
            "action": "add",
            "link": "https://bmccbruges.com/en/",
            "icon": "https://usercontent.one/wp/www.jciec2022bruges.com/wp-content/uploads/elementor/thumbs/bmcc-logo-vierkant-p852g7p10063cjxu0vnddny17zru4xd02m16gri0mw.png",
            "order": 7000,
            "new_window": true,
            "submenu": [],
            "location": "main"
          },
          {
            "id": "engage_id1",
            "name": "EngageUG 2022",
            "action": "add",
            "link": "https://engage.ug/Engage2.nsf/Pages/session2022",
            "icon": "https://pbs.twimg.com/profile_images/378800000668222495/758055e1388a52424b2ba48f46850b0d_400x400.png",
            "order": 500,
            "new_window": true,
            "submenu": [],
            "location": "bottom"
          },
          {
            "id": "homepage",
            "name": "My Home",
            "action": "update"
          }
        ]
      }
    }
  ],
  "path": "global",
  "state": "enabled"
}
```

Navigation Customization Before / After

Before



After



Demo Time



- Header Area Customization
 - Element positioning
 - Custom Text
 - Customer Logo

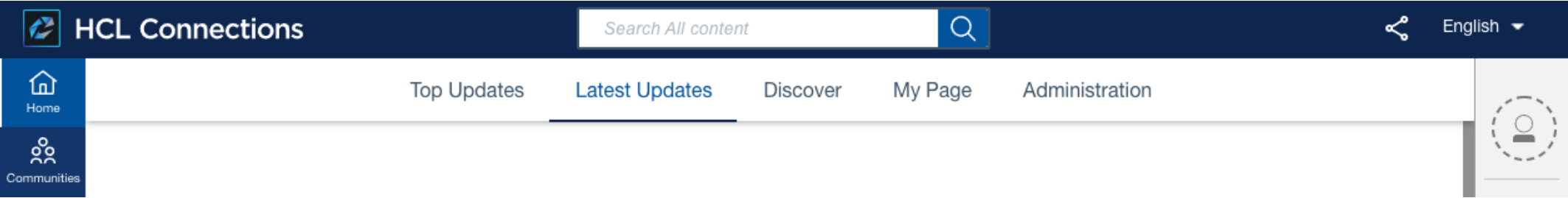
Header Area Customization Extension Example

- Name, description, service scope, overall enabled
- Position, logo and text properties; style properties
- Extension path, extension enabled

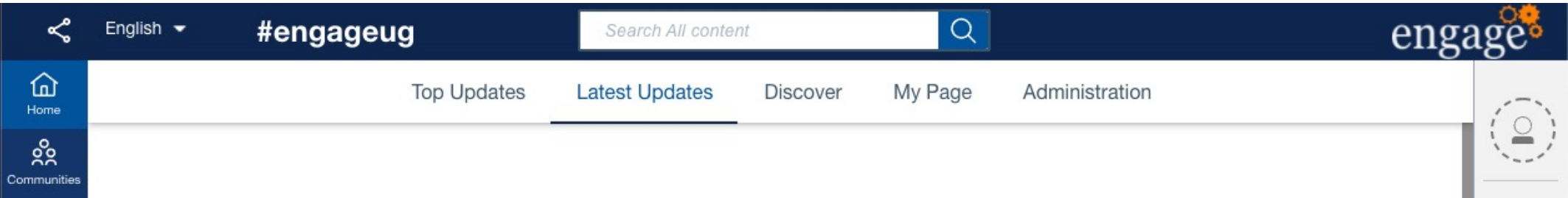
```
{
  "name": "Connections Custom Style - Logo and Positioning",
  "title": "Connections Custom Style - Logo and Positioning",
  "description": "Connections Custom Style - Logo and Positioning",
  "services": [
    "Connections"
  ],
  "state": "enabled",
  "extensions": [
    {
      "name": "connections-custom-style-logo-positioning",
      "type": "com.hcl.connections.custom.style",
      "payload": {
        "style-customization": {
          "generic": {
            "--size-header-image-height": "45px",
            "--font-size-header": "1.4rem"
          },
          "top-navigation": {
            "actions": {
              "position": "left"
            },
            "text": {
              "position": "left",
              "content": "#engageug",
              "order": "1"
            },
            "logo": {
              "position": "right",
              "src": "https://engage.ug/Engage2.nsf/Pages/C",
              "order": "2"
            }
          }
        }
      }
    },
    {
      "path": "global",
      "state": "enabled"
    }
  ]
}
```

Header Area Customization Before / After

Before



After



Demo Time



- Admin Banner
- Rich Content
- Severity

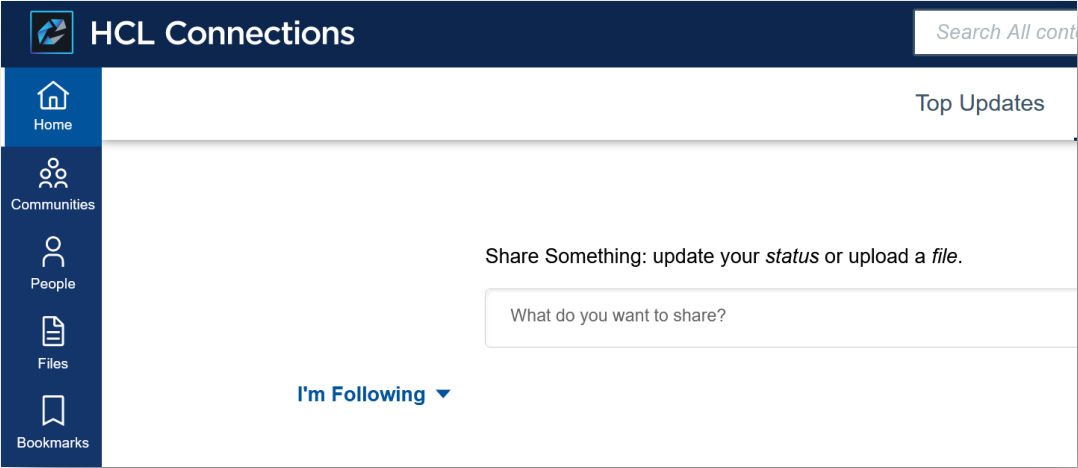
Admin Banner Extension Example

- Name, description, service scope, overall enabled
- Banner state, content and severity (background)
- Extension path, extension enabled

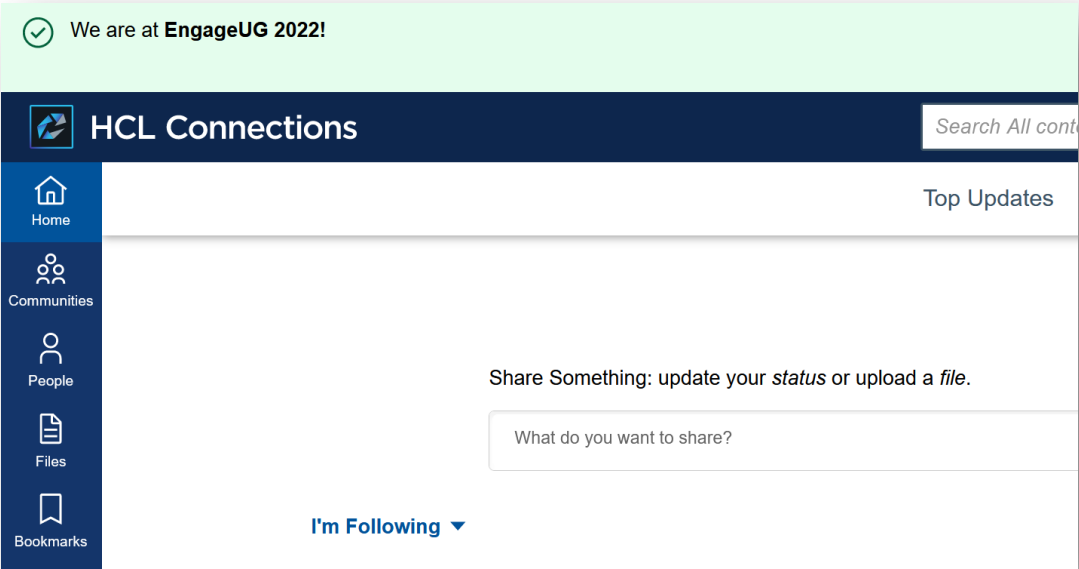
```
{
  "name": "EngageUG-Admin Banner",
  "title": "EngageUG-Admin Banner",
  "description": "Example admin banner extension for EngageUG demo",
  "services": [
    "Connections"
  ],
  "state": "enabled",
  "extensions": [
    {
      "name": "connections-banner-engageug2022",
      "type": "com.hcl.connections.banner",
      "payload": {
        "open": true,
        "message": [
          "We are at <strong>EngageUG 2022!</strong>"
        ],
        "severity": "success"
      },
      "path": "global",
      "state": "enabled"
    }
  ]
}
```

Admin Banner Before / After

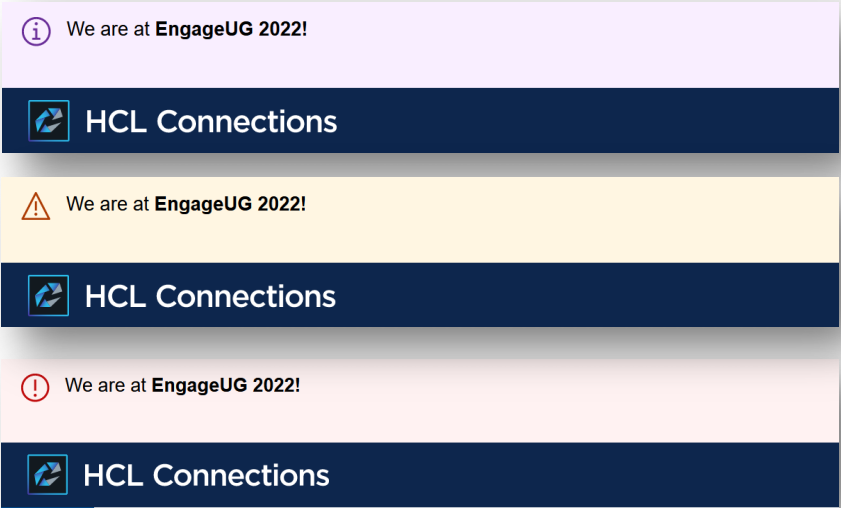
Before



After



Success



Info

Warning

Error

Demo Time



- Search Customization
- Share Customization

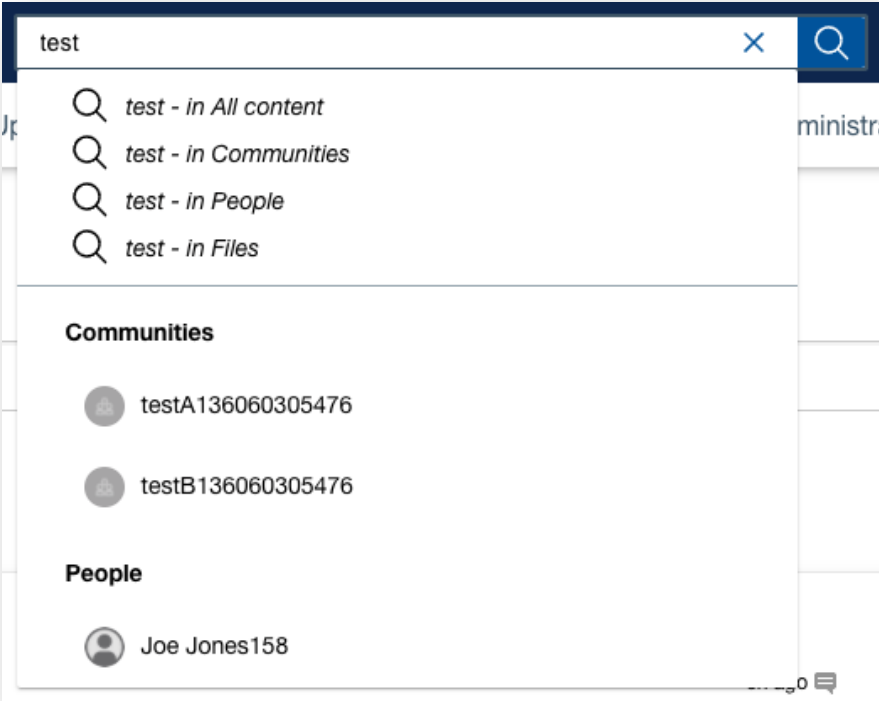
Search Customization Extension Example

- Name, description, service scope, overall enabled
- Array of search provider names and URLs
- Extension path, extension enabled

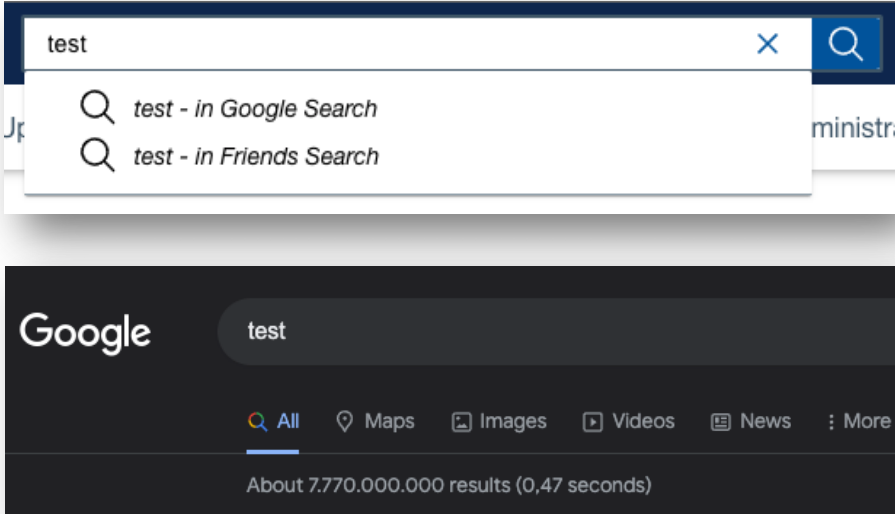
```
{
  "name": "Custom Search - Google and Friends",
  "title": "Custom Search - Google and Friends",
  "description": "Property to point search against 'Google' and 'Friends'",
  "services": [
    "Connections"
  ],
  "state": "enabled",
  "extensions": [
    {
      "name": "Customized Search - Google and Friends",
      "type": "com.hcl.search.customization",
      "payload": {
        "env": "NOconnections",
        "searchResultOptions": [
          {
            "isSuggestion": true,
            "searchURL": "http://www.google.com/search?q=${searchTerm}",
            "options": [
              {
                "label": "Google Search",
                "url": "http://www.google.com/search?q=${searchTerm}"
              },
              {
                "label": "Friends Search",
                "url": "http://www.friends.com/search?q=${searchTerm}"
              }
            ]
          }
        ]
      }
    }
  ],
  "path": "global",
  "state": "enabled"
}
```

Search Customization Before / After

Before



After



Share Customization Extension Example

- Name, description, service scope, overall enabled
- Share option name, icon and JS with trigger
- Extension path, extension enabled

```
{
  "name": "MS Teams Share Extension",
  "title": "MS Teams Share",
  "description": "Share functionality extension to share link",
  "services": [
    "Connections"
  ],
  "state": "enabled",
  "extensions": [
    {
      "name": "MS Teams Share",
      "type": "com.hcl.share.extension",
      "payload": {
        "include-files": [
          "/files/customizer/share-extensions/ms-teams"
        ],
        "cache-headers": {
          "cache-control": "max-age=43200"
        },
        "className": "teams-share-button",
        "icon": {
          "type": "svg",
          "data": "data:image/svg+xml;base64,PHN2ZyB4b"
        }
      }
    },
    {
      "path": "global",
      "state": "enabled"
    }
  ]
}
```

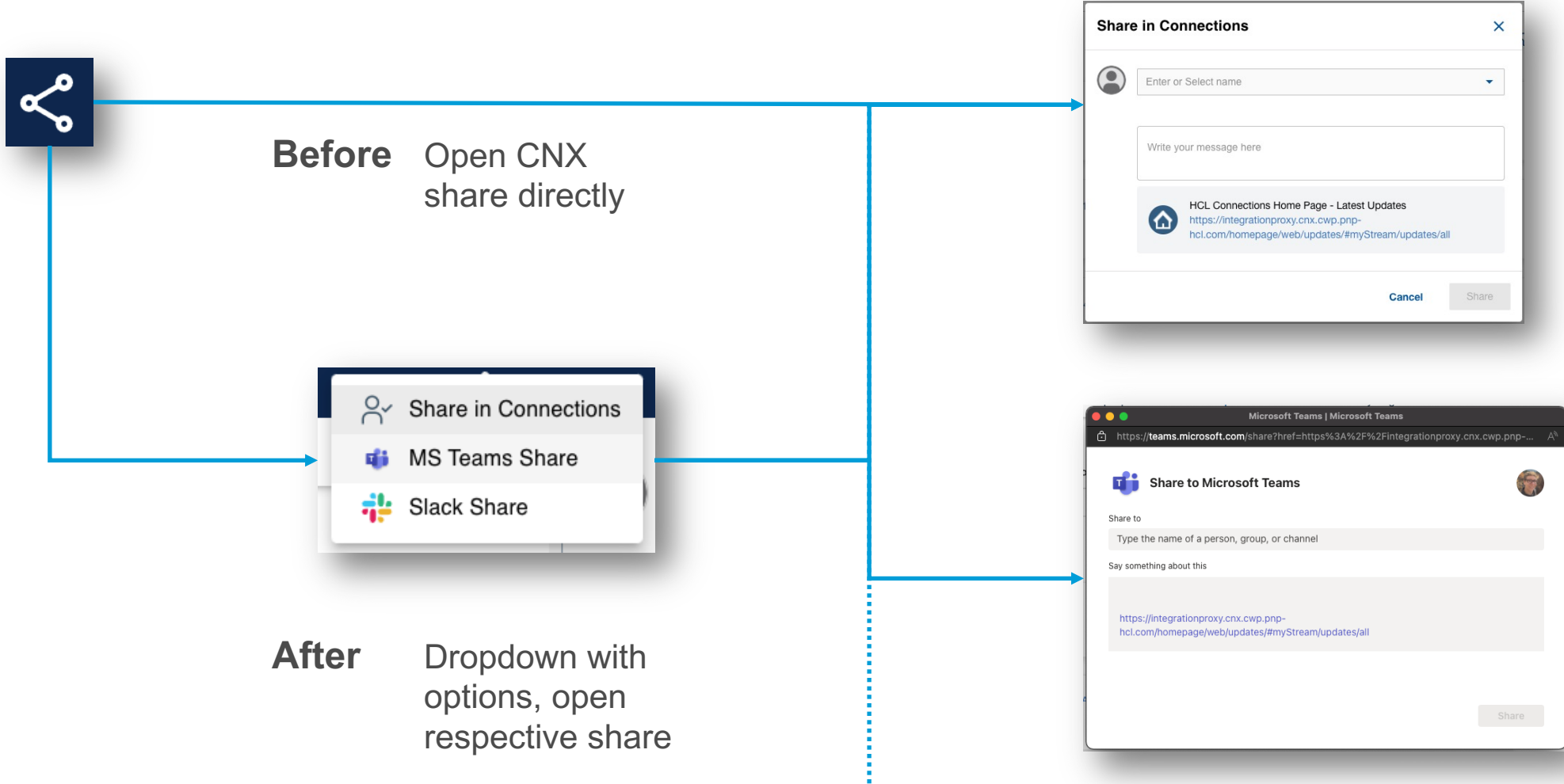
Share Customization Extension Example

- Loads customizer (static) resource
- Triggers *openShareExtension* function

```
    "include-files": [  
      "/files/customizer/share-extensions/ms-teams/connections-teams-share-extension-8.0.js"  
    ],  
    "include-scripts": [  
      "/files/customizer/share-extensions/ms-teams/connections-teams-share-extension-8.0.js"  
    ]  
  }  
}
```

```
function openShareExtension() {  
  let shareUrl = `https://teams.microsoft.com/share?href=${window.location.href}&referrer=${window.location.href}`;  
  shareUrl = shareUrl.replace(/(href=).*?(&)/, '$1' + encodeURIComponent(window.location.href));  
  window.open(shareUrl, '_blank', 'width=700,height=600');  
}
```

Share Customization Before / After



Agenda

- Overview
- Customization Goals
- Customization Demos
- Upgrade Considerations
 - Functional (Widgets, JSPs, Customizer)
 - Cosmetic
 - Globalization

Upgrade Considerations - Functional

- Most functional customizations are still valid
 - Areas that are not in use anymore (e.g. header) may be disregarded
- JSP, JavaScript customization may be subject to updates (merge with updated jsps, e.g. for Profiles)
 - Generally, JSPs are still heavily used and can be adjusted
- JavaScript extensions likely remain as is (some minor updates may need to be considered)

Upgrade Considerations – Cosmetic

- Most cosmetic customizations are still valid, but may be restyled
 - Areas that are not in use anymore (e.g. header) are disregarded
- CSS customizations may be invalidated with new UI and consolidated styles
 - Can be customized through config customization approach
- Automation testing that is DOM driven (i.e. checks for specific elements) may require changes

Upgrade Considerations – Globalization

- Customization of product strings still valid
- New strings were introduced for new UI (some replacing old strings) – e.g. Homepage, Profiles
- Many new UI components use different translation baseline
 - Can be customized through config customization approach



Q & A

Thank you !

Strategy Sessions – Tuesday

- **St 04. HCL Digital Solutions Product Strategy**

11:30 - 12:30 | B. Room 4-5
Andrew Manby

- **St 05. Domino 2022: What to expect**

13:30 - 14:30 | B. Room 4-5
Scott Favreau, Andrew Davis & Barry Rosen

- **St 07. Sametime V12 Launch – EMEA Event**

13:30 - 14:30 | C. Room 4-5
Ginni Saini & Barry O’Nan

- **St 10. Notes 12.0.1, 12.0.2 and beyond**

15:45 - 16:30 | B. Room 4-5
Ram Krishnamurthy & Barry Rosen

- **St 02. Nomad Deep Dive**

16:45 - 17:30 | A. Room 1-2
Thomas Hampel & Bob Sielken

- **St 03. HCL Connections Roadmap: Faster Deployment, Better Integration, Reinvented User Experience**

16:45 - 17:30 | B. Room 4-5
Adam Gartenberg & Rene Schimmer

- **St 11. Avoid the PVU trap - upgrade your Domino licensing**

16:45 - 17:30 | C. Room 6
Uffe Sorensen

Strategy Sessions – Wednesday

- **St09. HCL Domino Myth Busting 2022**
08:00 - 08:45 | C. Room 6
Luis Guirigay, Brian Arnold & Barry Rosen
- **St01. The next frontier in Domino Mail**
09:00 - 10:00 | B. Room 4-5
Agnes Ng & Thomas Hampel
- **St08. HCL Digital Experience - why for you, why now!**
13:30 - 14:30 | B. Room 4-5
Herbert Hilhorst & David Strachan
- **St06. Connections v8 Live Demo: Collaboration just got easier!**
14:45 - 15:45 | B. Room 4-5
David Bell & Stefan Hessler

Development Sessions – Tuesday

- **De05. New Responsive Design Techniques for Domino Developers**
15:45 - 16:30 | D. Room 7-8
Brian Arnold
- **De07. Get to know the new Volt MX: low-code for professional developers**
15:45 - 16:30 | E. Room 12
Dai Nguyen & Andrew Manby

Development Sessions – Wednesday

- **De16. HCL Digital Experience & HCL Volt MX Better Together**
09:00 - 10:00 | E. Room 12
Herbert Hilhorst & Dai Nguyen
- **De02. Domino Application Development Strategies**
11:30 - 12:30 | C. Room 6
Andrew Davis, Thomas Hampel & Barry Rosen
- **De14. Workflow wonders with Domino Volt v1.0.5**
14:45 - 15:45 | D. Room 7-8
Tim Clark
- **De11. & De12. Domino Restyle Hands-on Design workshop A & B**
14:45 - 16:45 | E. Room 12
Mary Miller, Thomas Hampel & Luis Guirigay

Admin & Deployment Sessions – Wednesday

- **Ad12. Domino TOTP/2FA - Best Practices and Pitfalls**
08:00 - 08:45 | A. Room 1-2
Milan Matejic & Martin Leyrer
- **Ad02. Deploying HCL Nomad Web - Show'n Tell**
14:45 - 15:45 | C. Room 6
Herwig Schauer & Martin Leyrer
- **Ad14. & Ad15. Sametime Hands-on Design workshop A & B**
14:45 - 16:45 | A. Room 1-2
Fabio Gervasoni & Ginni Saini

Roundtable Sessions – Tuesday



Ro01. Domino Mail

16:45 - 17:30 | R. Room 10-11

Andrew Davis, Andrew Manby, Agnes Ng, Mary Miller & Barry Rosen

Roundtable Sessions – Wednesday

- **Ro07. HCL Digital Solutions Academy and Technical Certifications**
09:00 - 10:00 | R. Room 10-11
Tiffany Amos & Luis Guirigay
- **Ro06. Sametime Roundtable**
11:30 - 12:30 | R. Room 10-11
Ginni Saini, Tony Payne, Barry O'Nan, Andrew Manby & Luis Guirigay
- **Ro04. Domino App Dev Round Table**
13:30 - 14:30 | R. Room 10-11
Andrew Davis, Andrew Manby, Thomas Hampel & Barry Rosen
- **Ro08. Domino Licensing for Solution Partners**
14:45 - 15:45 | R. Room 10-11
Uffe Sorensen
- **Ro09. The HCL on Linux Round Table**
16:00 - 16:45 | R. Room 10-11
Bill Malchisky, Daniel Nashed, Thomas Hampel & Tim Clark