



Company Vision: Creating next-generation applications to simplify the use and lower the cost of deploying complex networking technology.

Design Goal: Redesign the software to give it a strong sense of brand image as well as make the user experience more modern, simplified and accessible.

Starting the Design Process

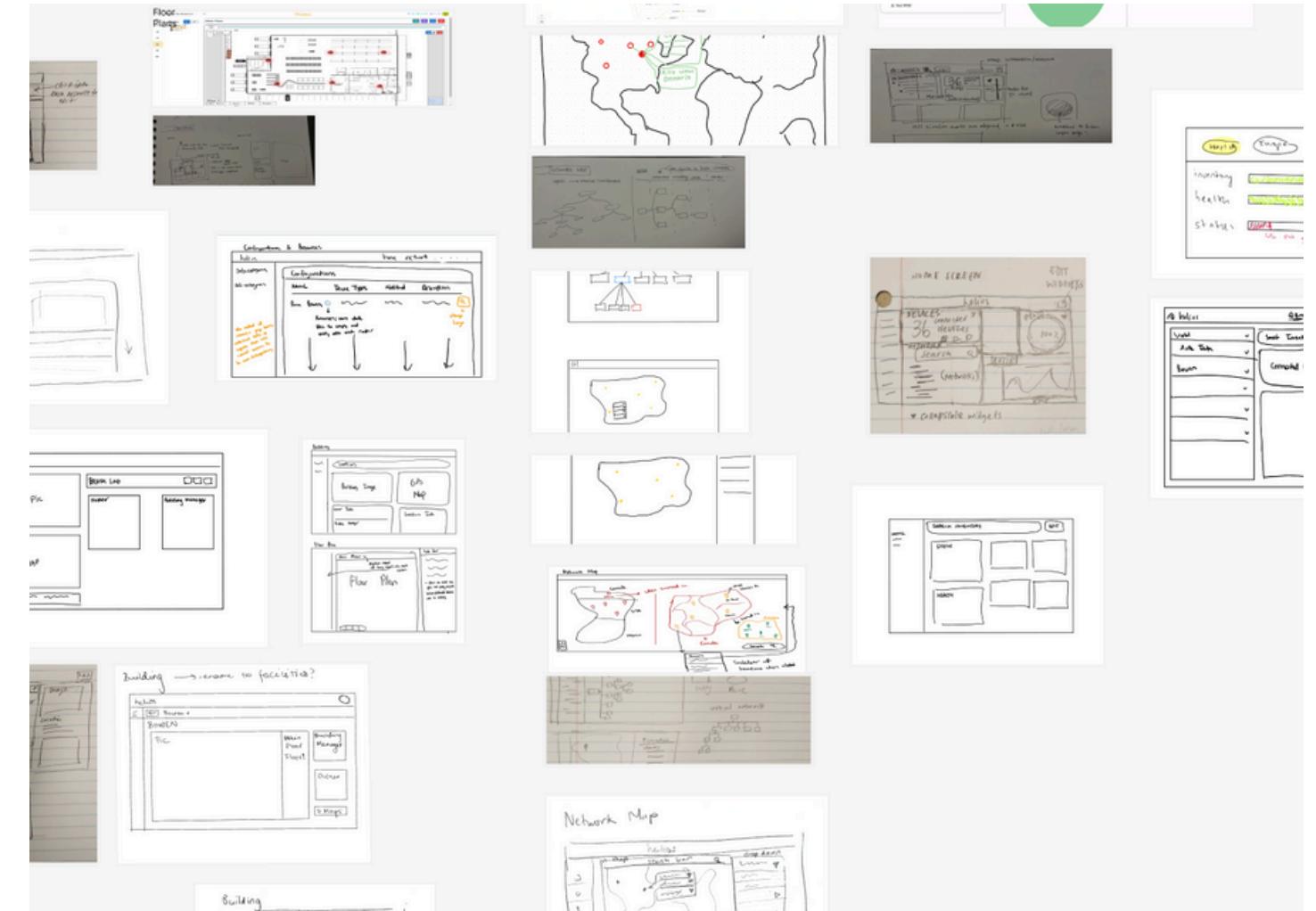
Research & Brainstorming
Drop your questions, your color and branding ideas, and market research screenshots and notes...

Sarah
Tina
Sia Harisingani
Yuki Li
Celena Shen
Renee Du

Market Research
Market Research
Market Research
Market Research
Market Research
Market Research

Questions & Thou...
Questions & Thou...

New Color Palettes



Market Research & Ideation

Brainstorming with Paper Wireframes

Dashboard:

Before:

Connected Devices
00:21:13:46
Average Uptime
725 MB 5 KB
Bowen Development
100%

Select a venue

Status: Connected (green) Not Connected (blue)

Initial Wireframing:

Bowen Development

Search for entity or venue

Search Inventory

Updated: 0 seconds ago

36 Connected Devices
03:06:54:20
Average Uptime
597 MB 5 KB

Status: 80%
Health: 80%

Monitoring

Alerts Updated: 0 seconds ago

Monitoring Bowen Devel...
MegaLabs

Monitoring

Overview Bowen Development

Status: 80%
Health: 80%

After:

Global

Dashboard Network Map Devices Users

Updated: 0 seconds ago

Edit Page

Monitoring

Bowen Development

Avg. Uptime: 16:09:55:52

35 2G 20 5G 0 6G

Traffic

37 CONNECTED
563.29 KB
2.91 MB

Notifications

- [router] is currently down and needs maintenance
- [router] is now inactive.
- [router] is now active.
- [router] is currently down and needs maintenance
- [router] is now inactive.
- [router] is now active.

Router Overview

Bowen Development

23 Clear
5 Critical
2 Down

Monitoring

Ally Detroit Center

Alerts

Global Statistics

Status: 100%
Health: 100%

Inventory:

Before:

Bowen Development

Go To

Inventory

Network Map

Monitoring

Building

Configurations

Settings

helios

All (11) Online (10) Offline (1) Unclaimed (0)

SERIAL NUMBER	SANITY	MEMORY	LOAD	TEMP	REVISION	TYPE	IP	PROVISIONING	RAD	GPS	UPTIME	LF
903cb3bb1ee5	100%	22.9%	0.03%	64°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
903cb3b17063	100%	21.9%	0.01%	67°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
04f8f8fc3b9a	100%	46.4%	0.06%	70°C	TIP-v2.11.0-bb5d3ec	edgecore_ecw5410	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
903cb3b170db	100%	23.2%	0.04%	61°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
903cb3bb1ef4	100%	24.5%	0.01%	56°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
68215fa9003a	0%	-	-	-	TIP-devel-7fae3eb	edgecore_ecw5211	-	-	-	-	-	
04f8f8fc363e	100%	45.9%	0.06%	64°C	TIP-v2.11.0-bb5d3ec	edgecore_ecw5410	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
903cb3b16e88	100%	23.0%	0.00%	59°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
903cb3b16e92	100%	21.9%	0.02%	61°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...	-	-	00d03h36m11s	13	
903cb3bb1c97	100%	24.8%	0.03%	54°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...	-	-	00d03h36m11s	13	

Initial Wireframing:

Helios

Bowen Development

Dashboard Inventory Network Map Monitoring Facilities Configuration Settings

Q FILTER SORT

Serial No.	Sanity	Memory	Load	Temp	Revision	Type	IP
903cb3bb1ee5	100%	22.9%	0.03%	64°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...
903cb3b17063	100%	21.9%	0.01%	67°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...
04f8f8fc3b9a	100%	46.4%	0.06%	70°C	TIP-v2.11.0-bb5d3ec	edgecore_ecw5410	(CA) 12604.3d08...
903cb3b170db	100%	23.2%	0.04%	61°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...
903cb3bb1ef4	100%	24.5%	0.01%	56°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...
68215fa9003a	0%	-	-	-	TIP-devel-7fae3eb	edgecore_ecw5211	-
04f8f8fc363e	100%	45.9%	0.06%	64°C	TIP-v2.11.0-bb5d3ec	edgecore_ecw5410	(CA) 12604.3d08...
903cb3b16e88	100%	23.0%	0.00%	59°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...
903cb3b16e92	100%	21.9%	0.02%	61°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...
903cb3bb1c97	100%	24.8%	0.03%	54°C	TIP-v3.0.0-bf06374	edgecore_eap101	(CA) 12604.3d08...

After:

Bowen Development

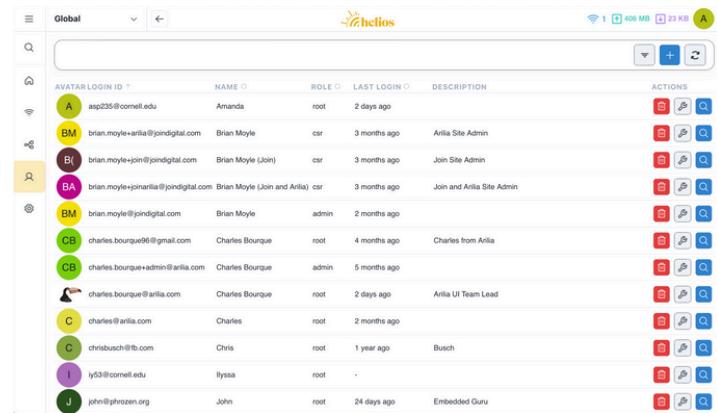
Monitoring Inventory Network Map Clients Building Configurations

Search...

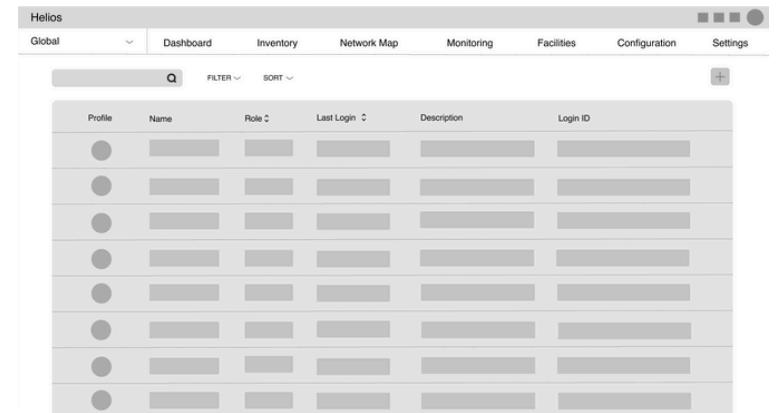
Connectivity	Serial Number	Sanity	Memory	Load	Temp	Revision	Type	IP
0%	68215fa9003a	-	-	-	65°C	TIP-devel-7fae3eb	edgecore_ecw5211	24.84.172.236...
100%	903cb3bb1ee5	23.6%	0.11%	65°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...
100%	903cb3b17063	26.4%	0.07%	69°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...
100%	04f8f8fc3b9a	46.3%	0.01%	67°C	TIP-v2.11.0-bb5d3ec	edgecore_ecw5410	24.84.172.236...	...
100%	903cb3b170db	26.7%	0.00%	64°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...
100%	903cb3bb1ef4	27.1%	0.02%	57°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...
100%	04f8f8fc363e	46.3%	0.03%	65°C	TIP-v2.11.0-bb5d3ec	edgecore_ecw5410	24.84.172.236...	...
100%	903cb3b16e88	25.9%	0.00%	62°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...
100%	903cb3b16e92	24.2%	0.01%	64°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...
100%	903cb3bb1c97	27.2%	0.03%	54°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...
0%	68215fa9003a	100%	0.00%	60°C	TIP-v3.0.0-bf06374	edgecore_eap101	24.84.172.236...	...

User:

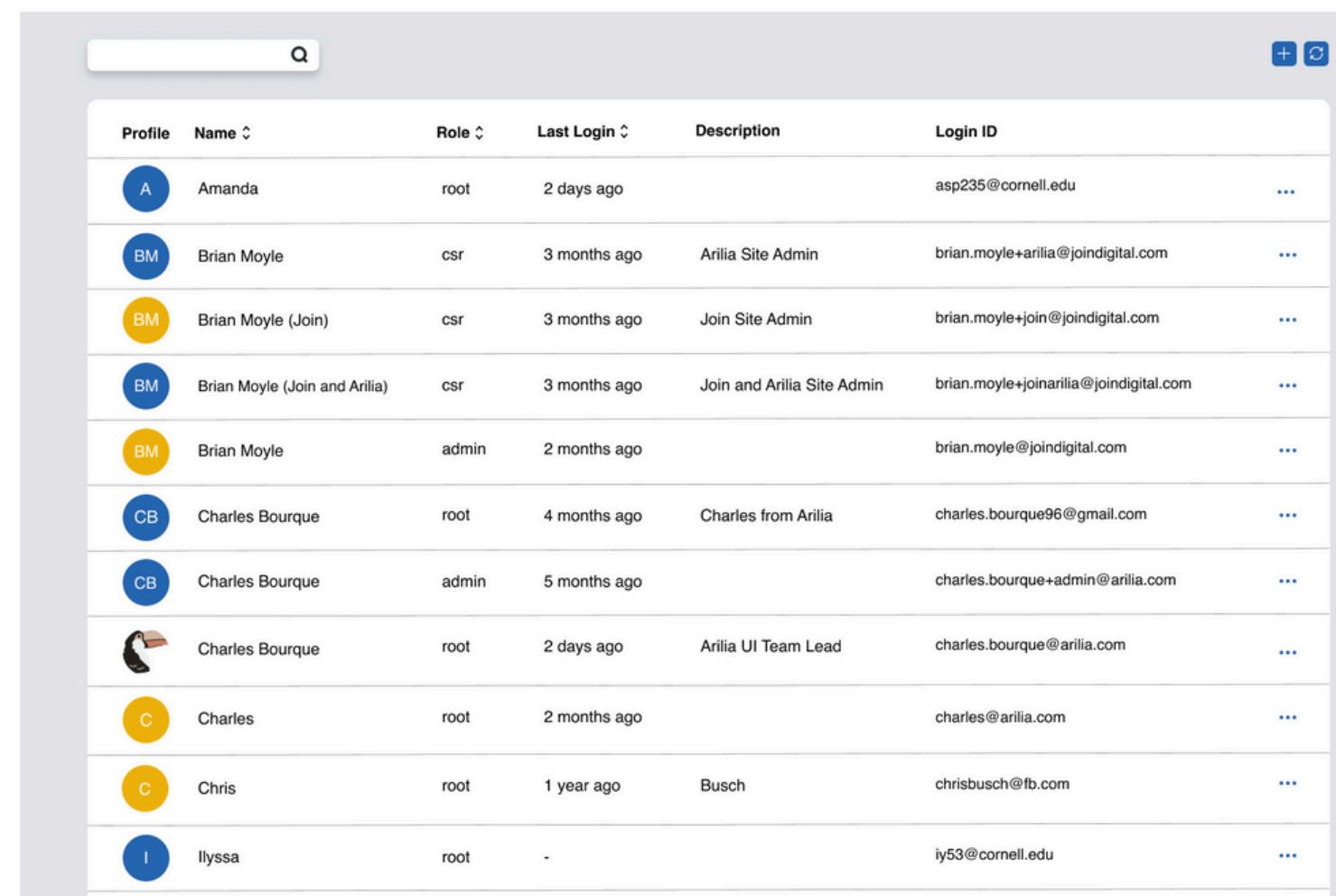
Before:



Initial Wireframing:

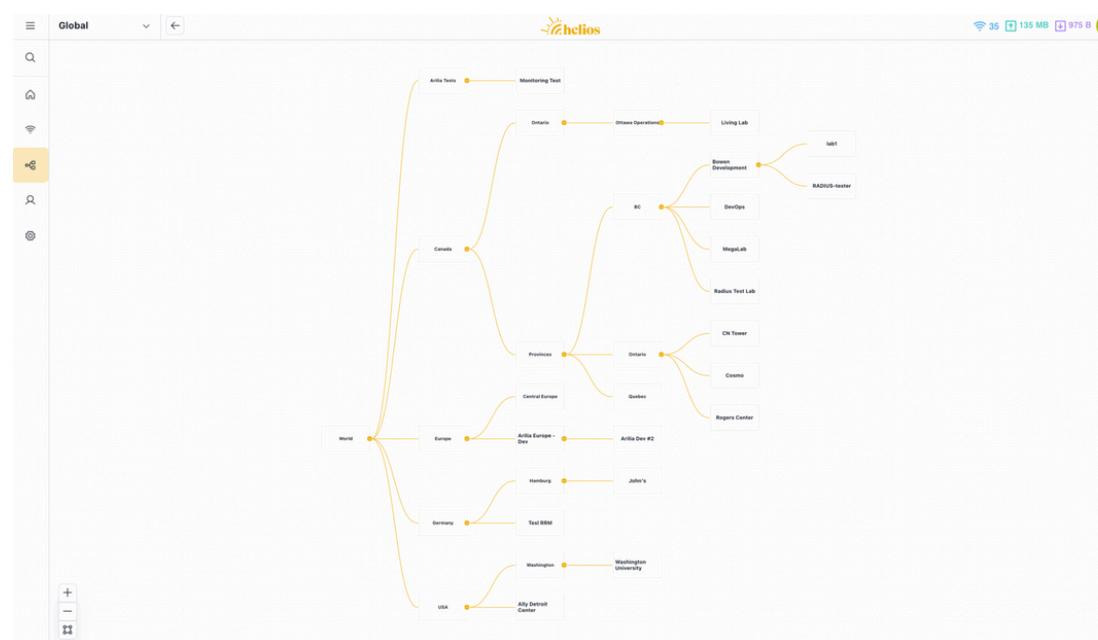


After:

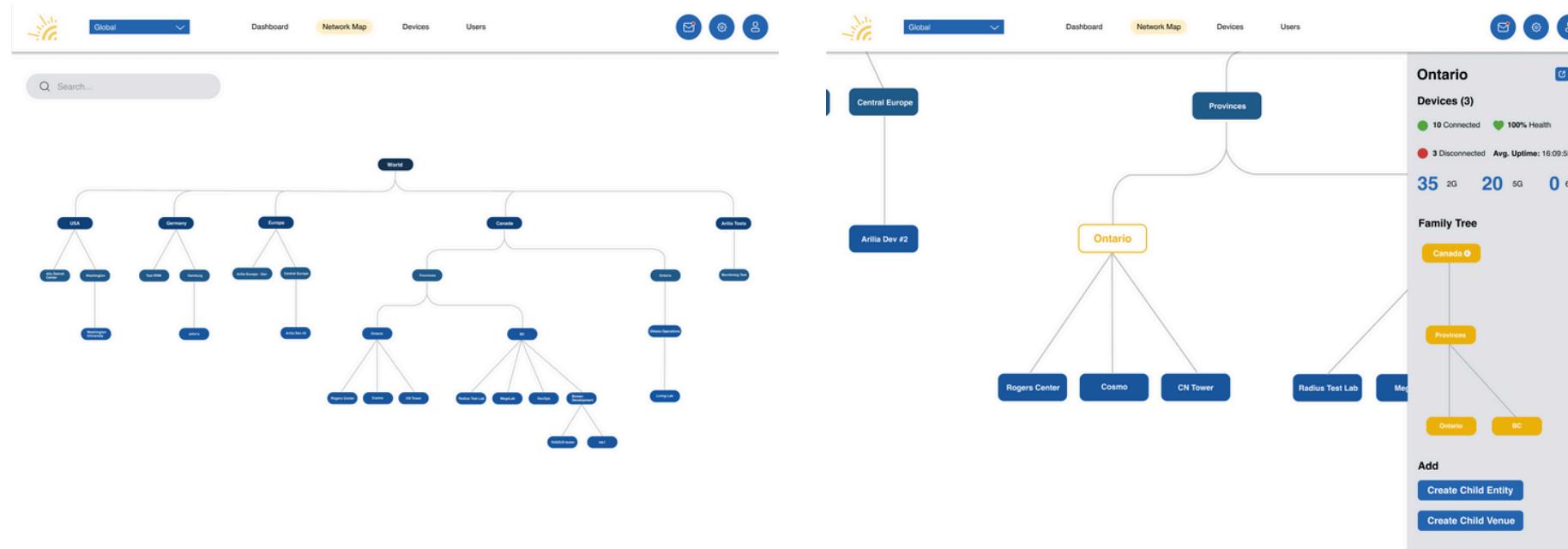


Network Map:

Before:



After:



Monitoring:

Before:

4/25/2024, 12:14:51 PM		Busiest Devices					
Clients (2G/5G/6G)		Clients					
Devices Up		58/5/0					
Traffic		100%					
Avg. Health		1.53 MB + 8.68 MB					
Avg. Uptime		100%					
03:13:25:08							
Explorer							
04f8f8fc363e	0	100%					
04f8f8fc3b9a	0	100%					
903cb3b16e88	0	100%					
903cb3b16e92	1	100%	-50dB				
903cb3b16f82	4	100%	-52dB				
903cb3b17063	3	100%	-64dB				
903cb3b170db	0	100%					
903cb3bb1c97	55	100%	-49dB				
903cb3bb1d55	0	100%					
903cb3bb1ee5	0	100%					
Busiest Clients							
MAC	TRAFFIC	RX	TX	RX PKTS	TX PKTS		
58d3490dd256	1.86 MB	1.4 MB	477.7 KB	3,177	2,945		
4a3fe91bc98	1.52 MB	1.12 MB	416.35 KB	3,087	2,407		
2811a5f579f5	486.06 KB	341.88 KB	144.17 KB	893	577		
10b1df5f730a	251.57 KB	214.42 KB	37.14 KB	661	237		
b827eb29ebca	179.12 KB	158.57 KB	20.55 KB	994	241		
50411c2f179a	173.28 KB	159.11 KB	14.17 KB	993	167		
b1332c4f1b0	172.93 KB	158.71 KB	14.23 KB	989	168		
50411c2ec9be	171.51 KB	158.3 KB	13.21 KB	987	158		
b827eb3b5303	170.23 KB	156.81 KB	13.42 KB	971	153		
b827eb9849ae	168.3 KB	155.99 KB	12.31 KB	962	149		

After:

Overall Network Status						
System Metrics		Device Health			Traffic Summary	
Date: 3/22/2024	Avg. Health: 100%	Serial Number	2G	5G	6G	TOTAL
Time: 10:29:44 PM	Avg. Uptime: 16:09:55:52	903cb3bb1c97	27	8	0	35
		903cb3b17063	1	9	0	10
		903cb3b170db	6	3	0	9
		903cb3b16e92	1	0	0	1
		903cb3b16f82	1	0	0	1
						5.73 MB
						3.68 MB
						1.61 MB
						656.65 KB
						10.78 MB
Traffic						
↑ 563.29 KB	↓ 2.91 MB					
Busiest Devices						
Serial Number	2G	5G	6G	TOTAL	TRAFFIC	
903cb3bb1c97	27	8	0	35	5.73 MB	
903cb3b17063	1	9	0	10	3.68 MB	
903cb3b170db	6	3	0	9	1.61 MB	
903cb3b16e92	1	0	0	1	656.65 KB	
903cb3b16f82	1	0	0	1	10.78 MB	
Busiest Clients						
MAC	TRAFFIC	RX	TX	RX	TX	
58d3490dd256	5.73 MB	244.61 KB	244.61 KB	244.61 KB	244.61 KB	
c47f151018616	3.68 MB	47.83 KB	47.83 KB	47.83 KB	47.83 KB	
b827eb29ebca	1.61 MB	114.34 KB	114.34 KB	114.34 KB	114.34 KB	
b827eb687e9c	656.65 KB	113.99 KB	113.99 KB	113.99 KB	113.99 KB	
b827eb30c807	10.78 MB	112.52 KB	112.52 KB	112.52 KB	112.52 KB	
b827eb30c807	10.78 MB	112.52 KB	112.52 KB	112.52 KB	112.52 KB	
Explorer						
① 04f8f8fc363e	10	100%	▼			
① 04f8f8fc3b9a	20	100%	▼			
① 903cb3b16e88	-54dB	44	100%	▼		
① 903cb3b16e92	-	0	100%	▼		
① 903cb3b16f82	-53dB	50	100%	▼		
① 903cb3b170db	-72dB	8	100%	▼		
① 903cb3bb1c97	-52dB	3	100%	▼		
① 903cb3bb1ee5	41	100%	▼			

Devices Subpage

<http://mla.com/venues/d656500b-9f00-4c09-9096-e209085c2a3e/inventory/903cb3b17063?filter=all> Relaunch to update

7063 Connected 100%

Status Connected
Connect Reason Socket
Sanity 100%
Memory 880.44 MB 22.46% used
Uptime 0 Days, 04:46:19
Last Load (1 | 5 | 15 m.) 0.04 | 0.03 | 0.01
ISP AS6327 Shaw Communications Inc.
Locale 2604-3d08 9...
Local Time 2024-03-01 17:49:16
Last Contact 1 minute ago

Traffic Data Upstream Tx Rx



Sanity



Memory



Bowen Development Connected 100%

Clients (80) All (80) Wired (80) Wireless (0)

Capabilities	BAND	MAC	SSID	VENDOR	SIGNAL	UPLOAD	DOWNLOAD	INTERFACE	IPV4	IPV6
Details	○	a4:fcc:14:0e:47:11	-	Apple, Inc.	-	-	-	upov0		
Settings	○	b8:27:eb:0b:f8:d3	-	Raspberry ...	-	-	-	upov0		
Clients	○	b8:27:eb:0c:45:1c	-	Raspberry ...	-	-	-	upov0		
History	○	b8:27:eb:0d:e2:b1	-	Raspberry ...	-	-	-	upov0		
Status	○	b8:27:eb:3a:46:97	-	Raspberry ...	-	-	-	upov0		
Configuration	○	b8:27:eb:5b:4a:e7	-	Raspberry ...	-	-	-	upov0		
Current	○	b8:27:eb:87:57:b1	-	Raspberry ...	-	-	-	upov0		
Custom	○	b8:27:eb:7a:dc:18	-	Raspberry ...	-	-	-	upov0		
Provisioned	○	b8:27:eb:89:69:0f	-	Raspberry ...	-	-	-	upov0		
Overrides	○	-	-	-	-	-	-	-	-	-

Page 1 of 8 Go to page 1 Show 10

Initial Wireframing

The screenshot shows a network monitoring interface. At the top, there's a navigation bar with tabs: 'Bown Development' (selected), 'Dashboard', 'Inventory', 'Network Map', 'Monitoring', 'Building', 'Configurations', and 'Users'. Below the navigation bar, a header bar displays the device ID 'Device: 903cb3bb1ee5' and three empty input fields. The main content area is divided into several sections: 1) A summary box on the left containing a large gray square and various status metrics with progress bars: Status (green), Connect Reason (blue), Sanity (green), Memory (green), Uptime (green), Load (1|5|15m) (green), ISP (blue), Locale (green), Local Time (green), and Last Contact (green). 2) A 'Traffic' section featuring a large graph area with a 'Traffic Graph' label and four small status indicators above it. 3) A 'Sanity' section featuring a large graph area with a 'Sanity Graph' label and two small status indicators above it. 4) A 'Memory' section featuring a large graph area with a 'Memory Graph' label and three small status indicators above it.

Brown Development

Monitoring Inventory Network Map Clients Building Configurations Edit Page

Devices > BASIC BOW...

903cb3bb1ee5 Connected 100% Health 22.46% Used

Connect Reason: Socket

ISP: AS6327 Shaw Communications Inc.

Memory: 880.44 MB

Locate: Canada

Uptime: 0 Days; 04:46:19

Local Time: 2024-03-01 | 17:49:16

Last Contact: 1 minute ago

Load (1 | 5 | 15m): 0.04 | 0.03 | 0.02

Menu

- Capabilities
- Details
- Settings
- Clients
- History
- Status
- ...

Configuration

- Current
- Custom
- Provisioned
- Overrides

Traffic

Data Upstream

Sanity

Memory

Free Cached Buffered

After

The screenshot shows the Bowen Development interface. At the top, there's a navigation bar with tabs for Monitoring, Inventory, Network Map, Clients, Building, and Configurations. The Configurations tab is highlighted. On the far right are icons for email and user profile.

In the top left, under the 'Menu' section, the 'Clients' item is selected (indicated by a yellow background). Other items include Capabilities, Details, Settings, History, and Status.

In the top right, there's a 'Edit Page' button.

The main content area has a title '903cb3bb1ee5' with status indicators: Connected (green), 100% Health (green), and 22.46% Used (yellow).

Below the title, there's a search bar and a filter section with tabs for Clients (80), All (80), Wired (80), and Wireless (80). A 'Search...' input field is also present.

The main table lists 80 clients. The columns are: BAND, MAC, SSID, VENDOR, SIGNAL, UPLOAD, DOWNLOAD, INTERFACE, and IPV4. Each row shows a MAC address (e.g., b8:27:eb:63:73:0b) and a vendor name (Raspberry...). The 'INTERFACE' column shows 'upOvO' for all entries. The 'IPV4' column contains a series of green icons with the number '1' inside.

At the bottom, there are navigation icons for back, forward, and search, along with a page summary: 'Page 1 out of 9', 'Go to Page', a page number input (1), 'Show 10', and next/previous page buttons.

Buildings:

Before:

This wireframe shows the initial state of the Building Overview page. It includes a large image of the building, a map showing its location in Vancouver, and a contact section for the Building Manager.

This wireframe shows the initial state of the Floor Plan page. It displays a detailed floor plan of the building with various rooms and equipment icons. Device locations are marked with red dots on the floor plan.

Initial Wireframing:

This wireframe shows a simplified version of the Building Overview page. It includes a placeholder image, a map, and sections for the Building Manager and Owner.

This wireframe shows a simplified version of the Floor Plan page. It displays a floor plan with room icons and device locations marked with red dots.

After:

The final design of the Building Overview page features a large image of the building, a map, and a detailed contact section for the Building Manager and Owner.

The final design of the Floor Plan page displays a detailed floor plan with room icons and device locations marked with red dots.

The final design of the Building Overview page features a large image of the building, a map, and a detailed contact section for the Building Manager and Owner.

The final design of the Floor Plan page displays a detailed floor plan with room icons and device locations marked with red dots.

My Account:

Before:

This wireframe shows the initial state of the API Keys page. It lists "No API Keys Found" and displays account details for "asp235@cornell.edu".

This wireframe shows the initial state of the Security page. It displays "Multi-Factor Authentication DISABLED" and settings for Authenticator App, Email, and SMS.

This wireframe shows the initial state of the Account Details page. It displays basic user information: First Name (John), Last Name (Doe), Username (John_Doe123), and a description (IT Company WiFi router manager located in NY, United States).

This wireframe shows the initial state of the API Keys page. It lists "API Keys (1)" and displays account details for "asp235@cornell.edu".

After:

The final design of the API Keys page lists "API Keys (1)" and displays account details for "John Doe" (Username: John_Doe123, Description: IT Company WiFi router manager located in NY, United States).

The final design of the Preferences page includes "Theme" (Light/Dark) and "Language" (German, English, Spanish, French, Brazilian Portuguese) settings.

The final design of the Security page includes "Multi-Factor Authentication" and "Password" fields.

Configurations:

Before:

Initial Wireframing:

After:

Buttons

01 Types and States

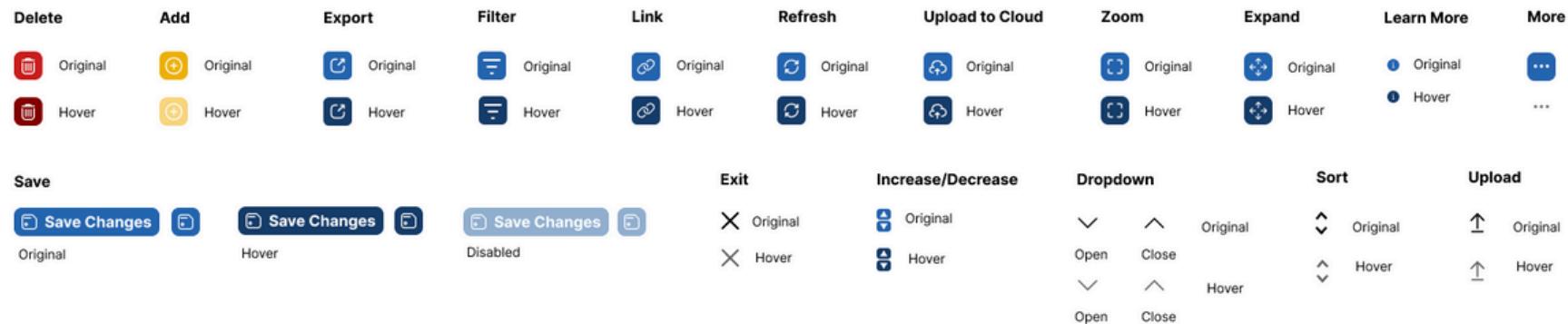
Navigation



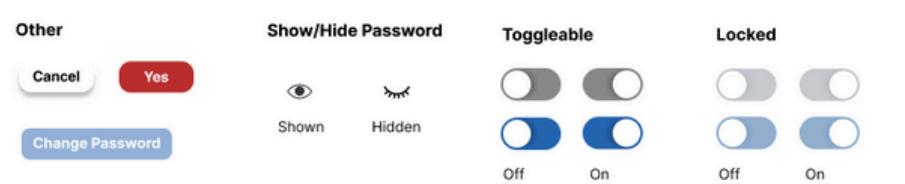
Editing



Other Frequently Used



My Account



Switching View



02 Sizes



Glyphs

01 Types



02 Sizes



Primary Color



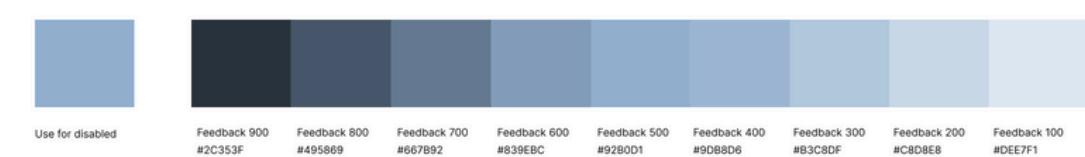
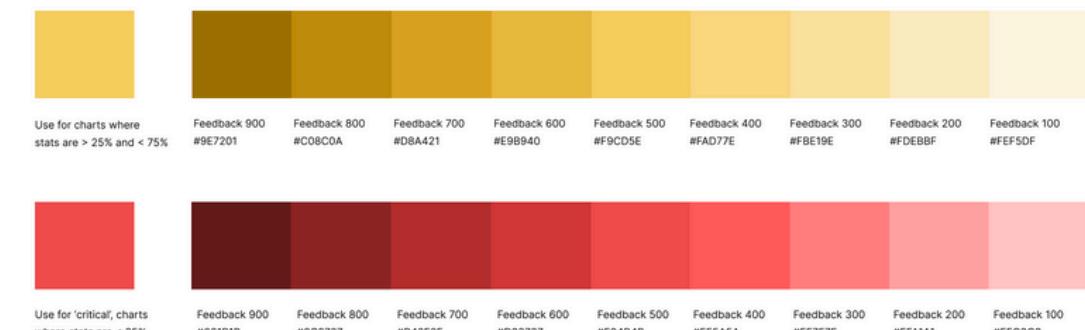
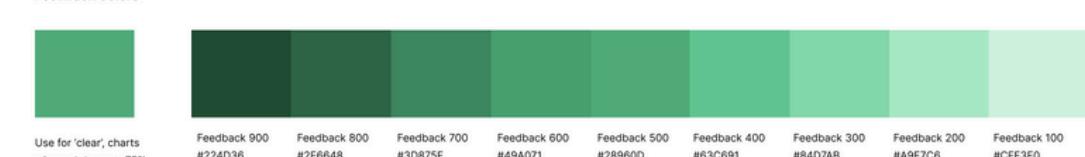
Selection Color



Brand Colors



Feedback Colors



UI Kit