A ROADMAP FOR MODERNIZATION

Eric Chaikin
C/F User Group Conference
October, 2022

HI, MY NAME IS...

Eric Chaikin

- VP Strategic Development
  Component Assembly | CF Data Systems

Background

- Product vision & strategy, Building technical & UX teams, Enterprise financial systems, Web & mobile startups, Strong customer focus

Roles

- CAS: Technology strategy, STRUCTURE integration
- C/F: Product Development; Modernization roadmap
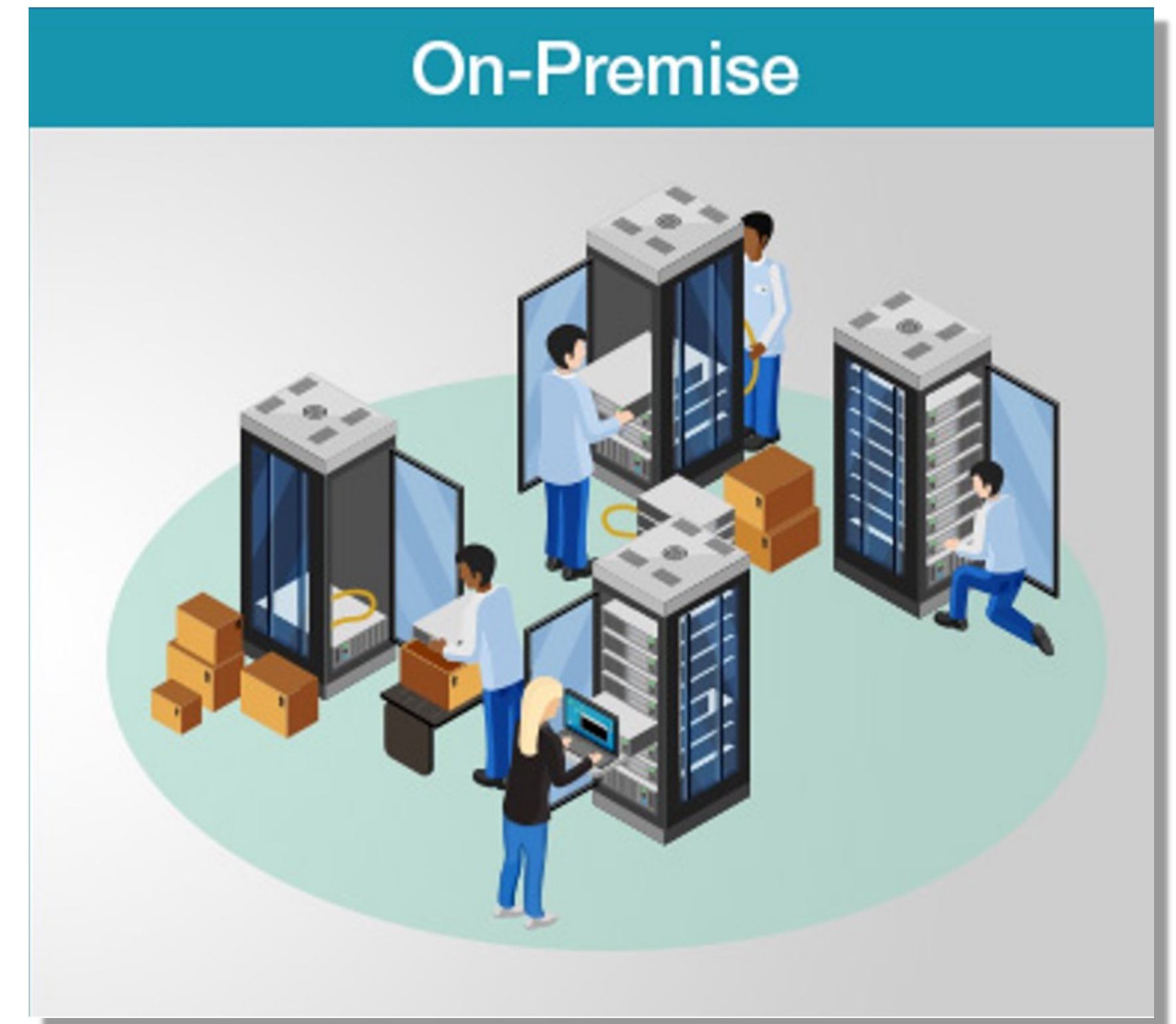
MISSION: Bridge to the future, respect the history

WHERE WE ARE

STRUCTURE: On-prem delivery

- Your hardware, your network, your IT
- You manage: backup, security, virus protection
- Mobile apps connect to your network
- No central monitoring; Integrations difficult
- 100s of sites – high support burden

Software: "Veteran Workhorse"

- Desktop application, Windows look & feel
- Very functional - 30 years of features
- Proprietary data file format ("Vision")

On-Premise

MARKET TRENDS

"Rise of the Platform Era"- McKinsey

Consolidation
Aggregation
Integration

WEB, MOBILE, CLOUD

Connect Contractor Enterprise to the Project

2022 – 85% of contractors said Cloud was important to their business (2012: 12%)

SKATE WHERE THE PUCK IS GOING

WHERE WE'RE GOING

- Cloud delivery

- Saas Subscription model

- Modernized code & data access

- Best-of-breed look & feel

- Web & mobile design

- Platform for integration

The future will look exactly like this!

GOAL: BEST-IN-CLASS CUSTOMER SERVICE, FUNCTIONALITY, UX, CONNECTIVITY

STRUCTURECLOUD

Multi-year effort to modernize **STRUCTURE**

Delivery will move from on-prem to **cloud,** powered by **Microsoft Azure**

$ Pricing transitions from software purchase to a SaaS **subscription model**

Will transform all areas of the system over time, in a phased approach
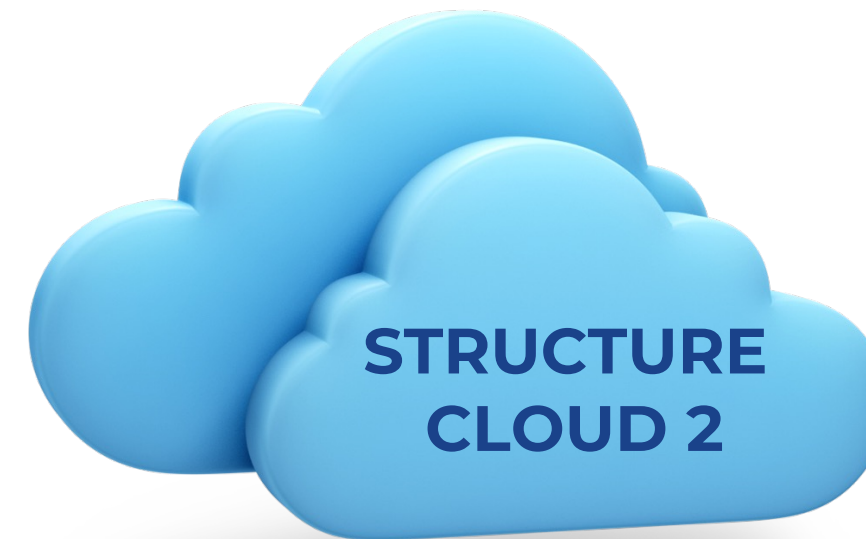
ROADMAP

2022
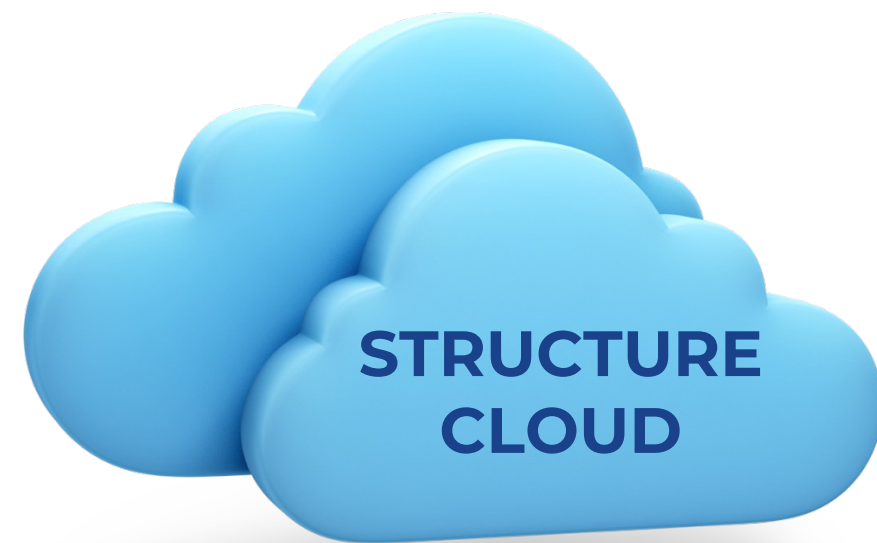
STRUCTURE CLOUD

Hosted STRUCTURE
Microsoft Azure
Virtual Desktop

Structure v18

2023

BUILDING

STRUCTURE CLOUD 2

WebApp Navigation
Reports & Dashboards
StructureSQL

Structure v19

2024+

PLANNING

STRUCTURE CLOUD 3

Native Web UX
Mobile Redesign
Open APIs

Structure v20

APPROACH: MINIMIZE RISK

Three major phases allow parallel delivery of services as current customers migrate to STRUCTURECloud.

No "start-from-scratch" rewrite

Specific components tested in each phase.

Current business logic remains as long as possible.

Con: Takes longer
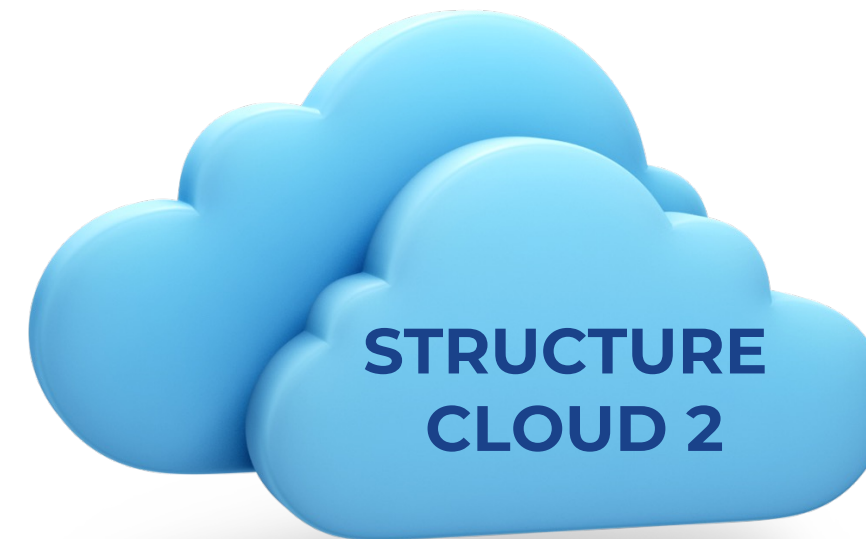**Pro**: Minimizes disruption to your business.

ROADMAP

2022

LAUNCHED
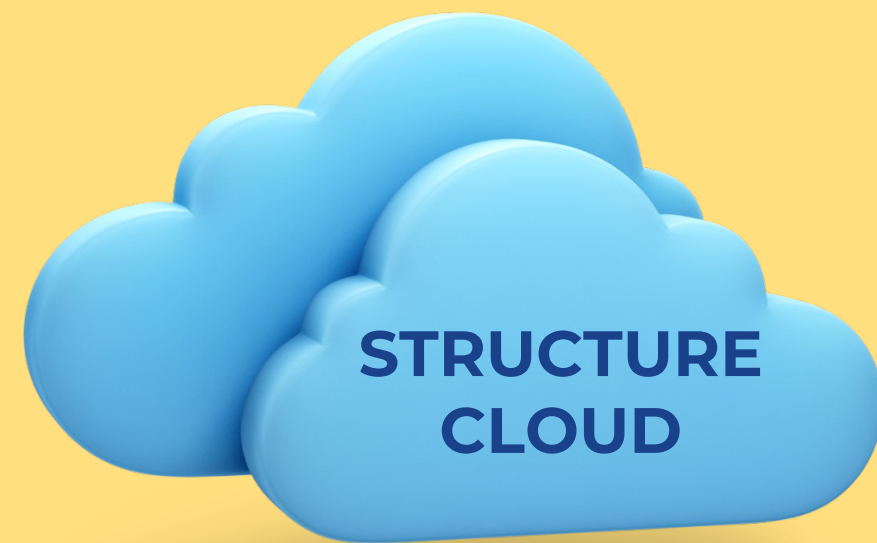
STRUCTURE CLOUD

STRUCTURE in MS Azure
Managed by CF Data
Virtual Desktop

Structure v18

2023

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STRUCTURECLOUD ("PHASE 1")

Available **now**

❖ Delivers current STRUCTURE in MS Azure

❖ Hosted by C/F Data, with management partner

❖ Uses Windows Virtual Desktop

❖ No customer hardware or IT needed

❖ Pricing transitions to subscription model
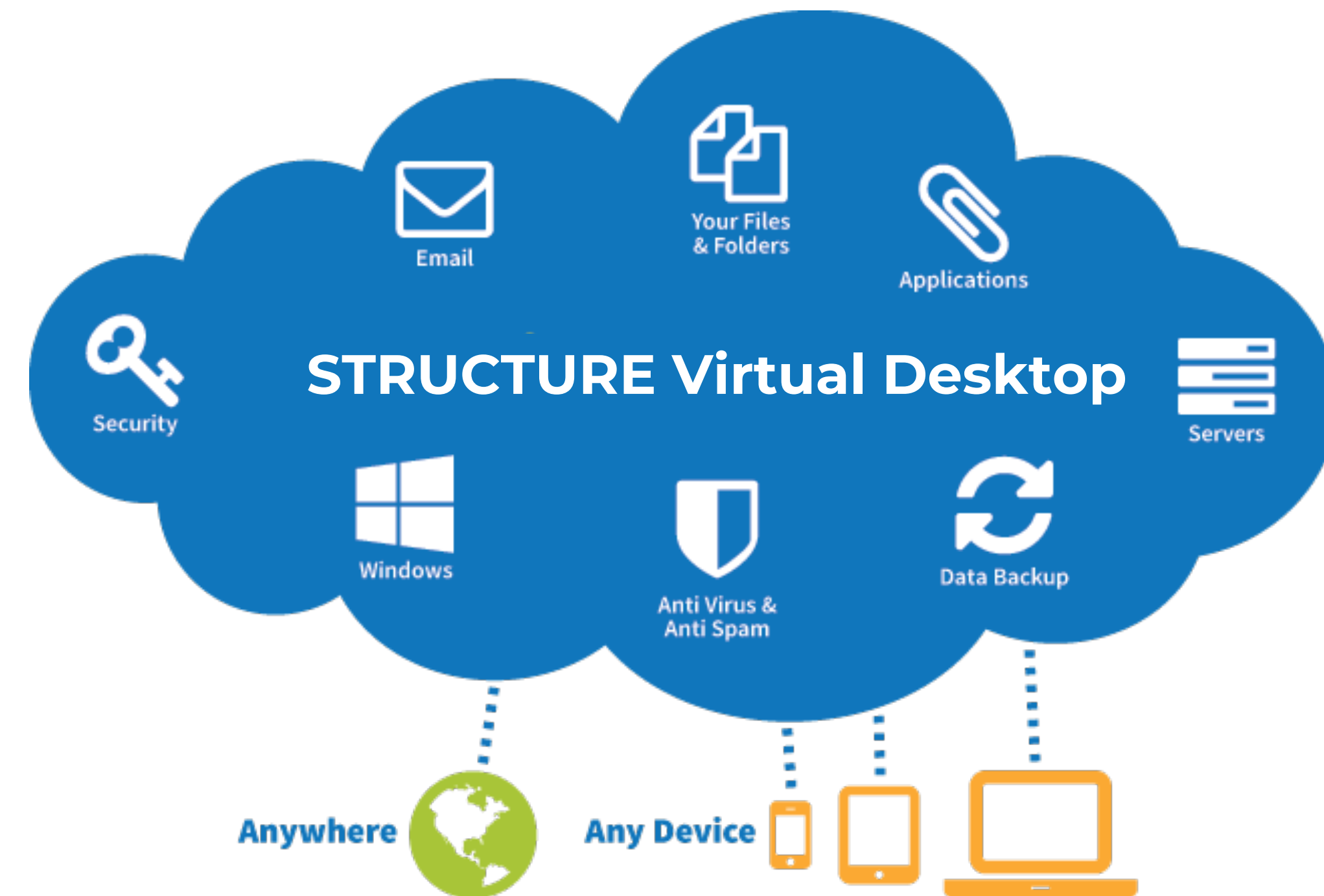
STRUCTURECLOUD ("PHASE 1")

Features & Benefits

- ❖ Accessible anytime, anywhere

- ❖ Centralized monitoring and troubleshooting

- ❖ Designed for network security, virus protection, data backup

- ❖ Dedicated support for your data migration

- ❖ **Data is: Private, Secure, Backed up, Owned by You**
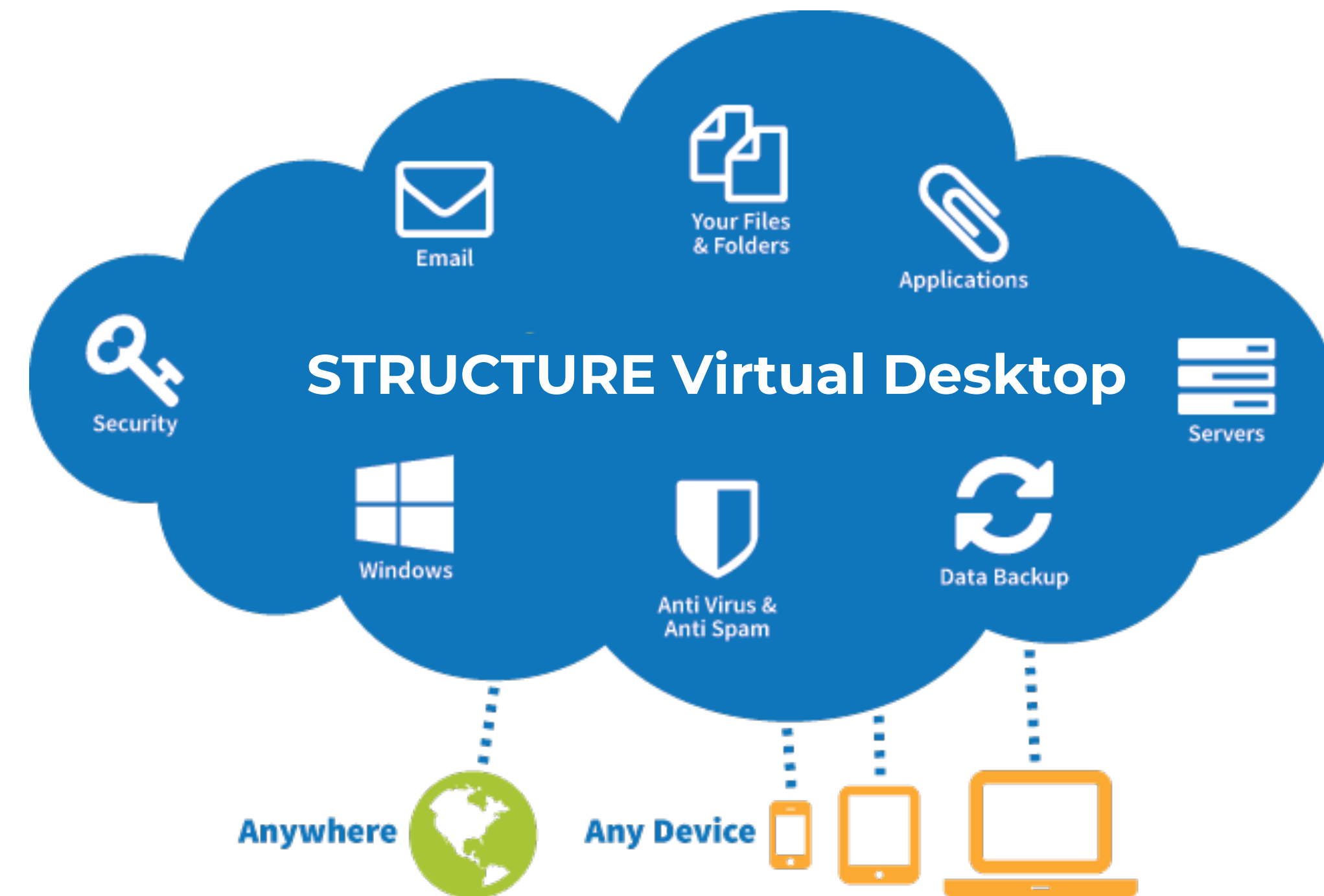
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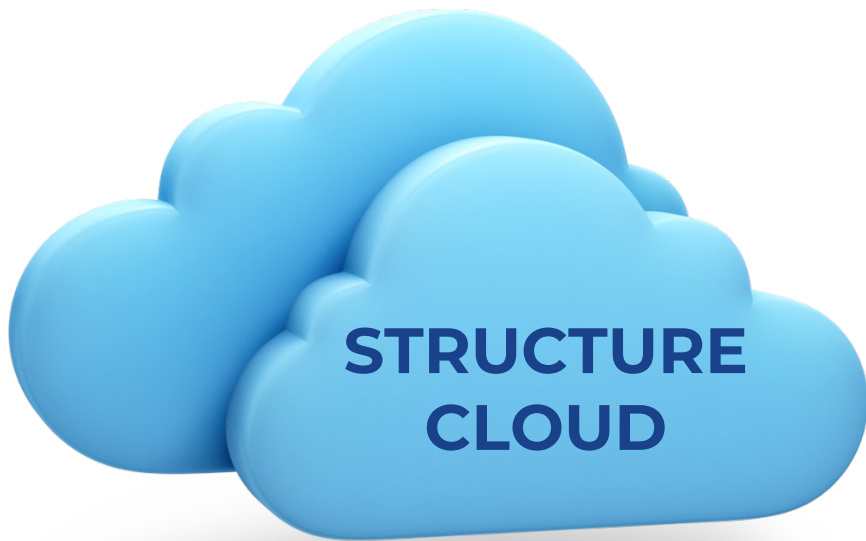
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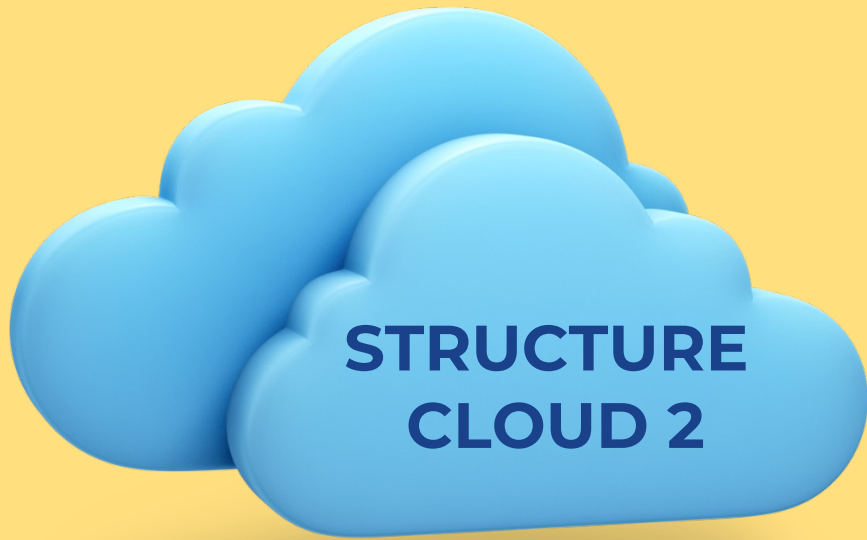
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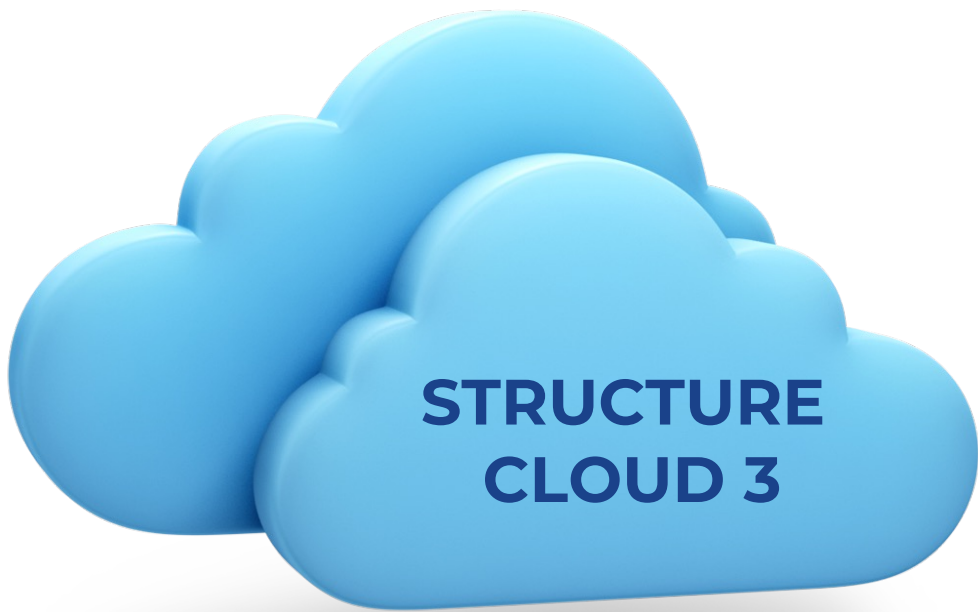
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STRUCTURECLOUD 2

Currently in development

Target: 2023 release

❖ STRUCTURE hybrid webapp

❖ Removes Remote Access/Virtual Desktop

❖ Standard browser login & password mgmt

❖ Multifactor authentication

❖ Automated billing

Login to Structure Cloud

"Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt.

e-mail or username

password

Login ➔

Forgot pa

STRUCTURECLOUD 2

Features & Benefits

❖ Runs in a browser

❖ Web navigation w/ STRUCTURE procs

❖ StructureSQL database – allows for:

    - Web dashboards

    - Enhanced reporting

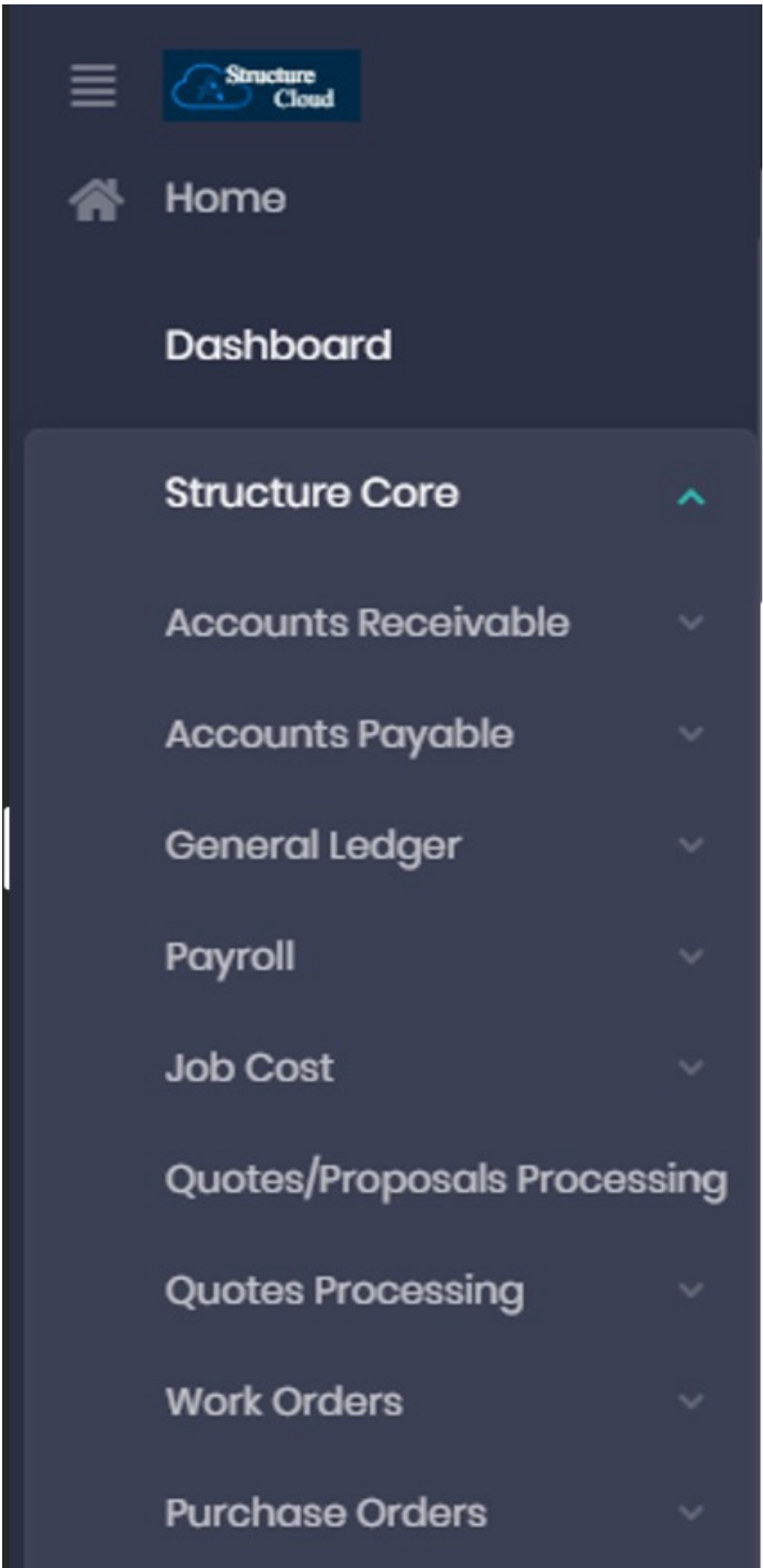❖ Business logic untouched (risk mitigation)
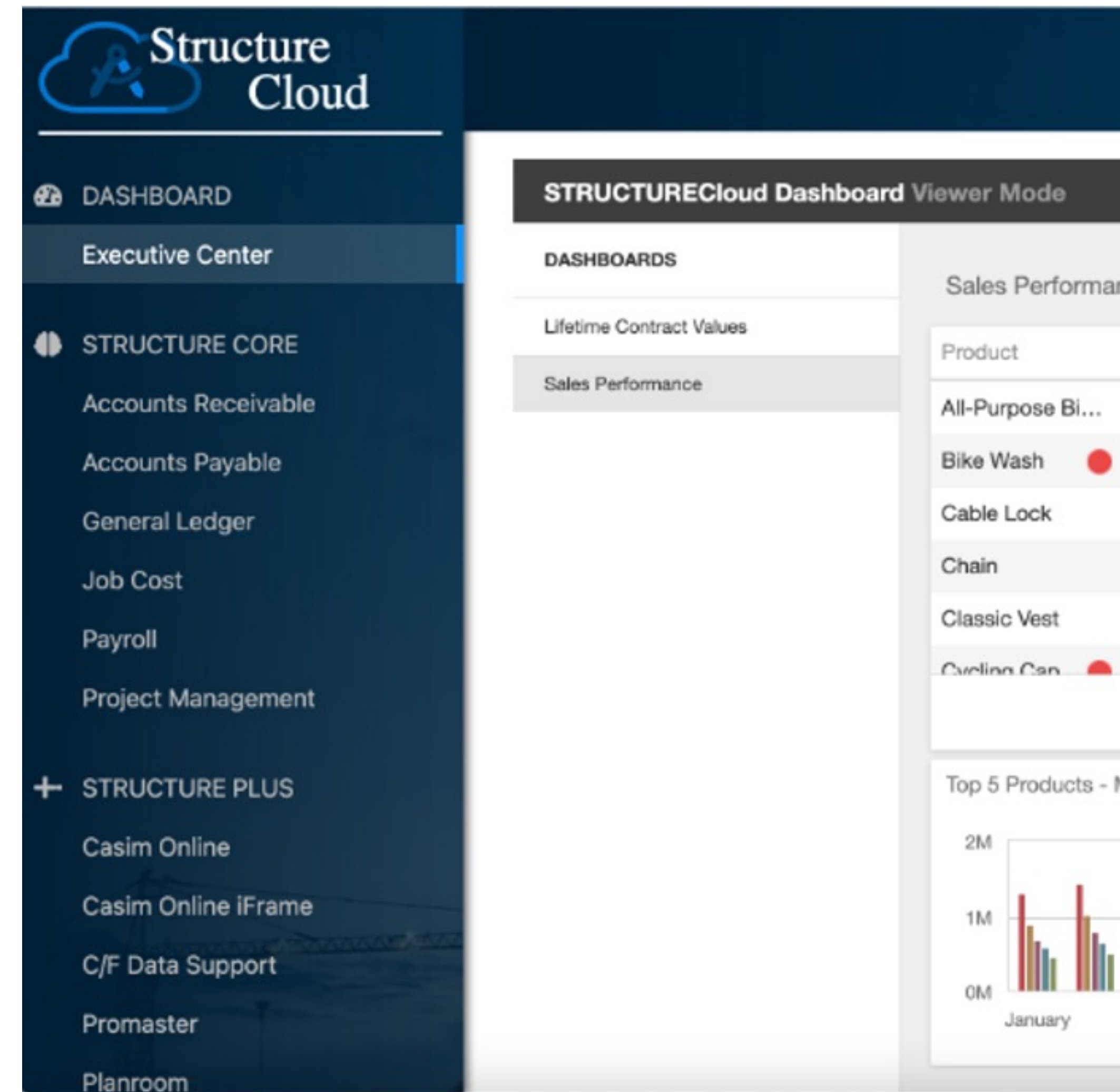
STRUCTURECLOUD 2

Sample home page design

Proc Menu

Dashboard

(DevXPress)
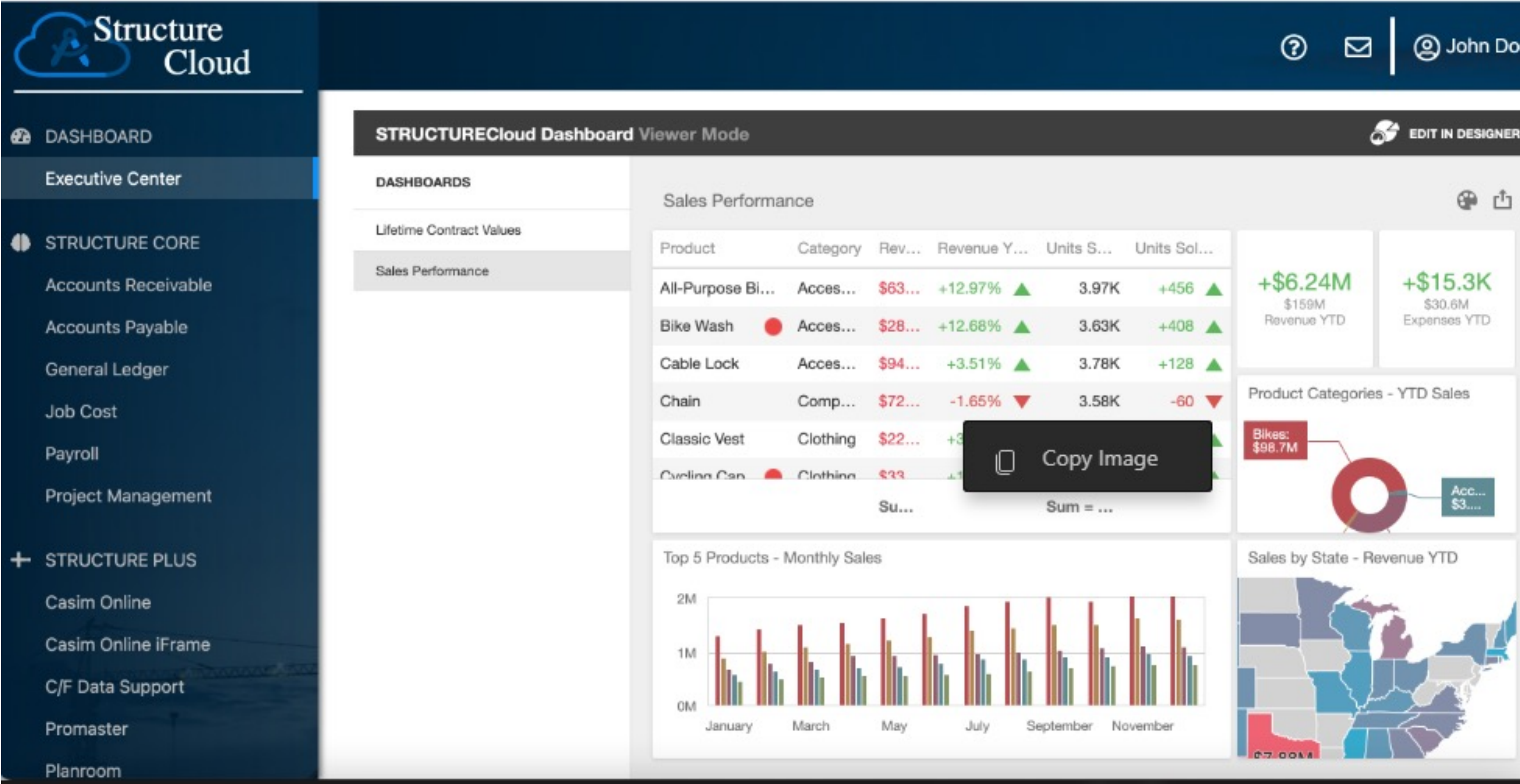
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Proc Menus
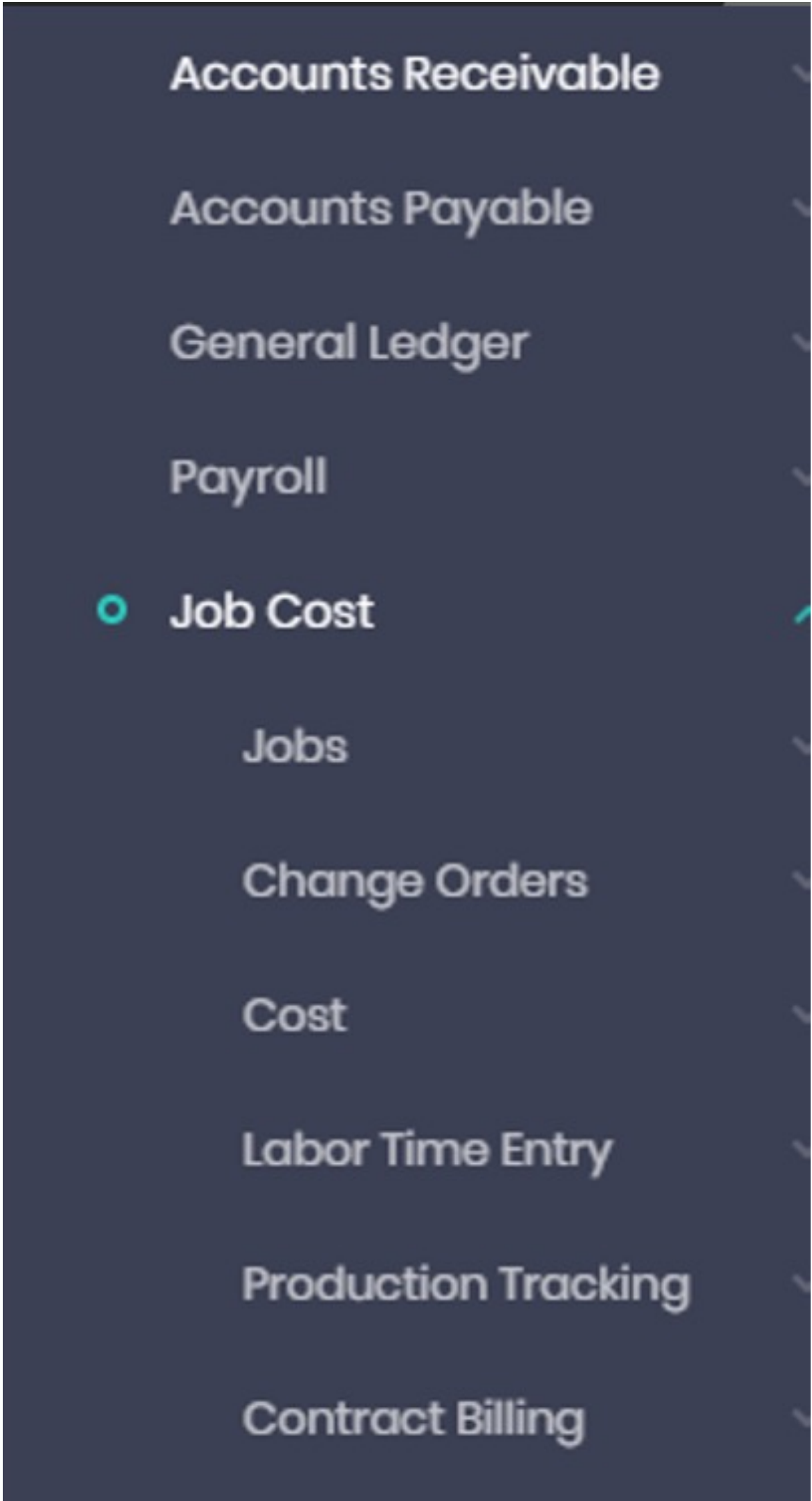
STRUCTURE**CLOUD 2**

STRUCTURE procs displayed in browser

Sample proc – **JJI**

Job Inquiry

STRUCTURECLOUD 2

Enhanced Admin Capabilities

User management

Role definition

Automated Billing

STRUCTURECLOUD 2

Mobile apps "reskinned"
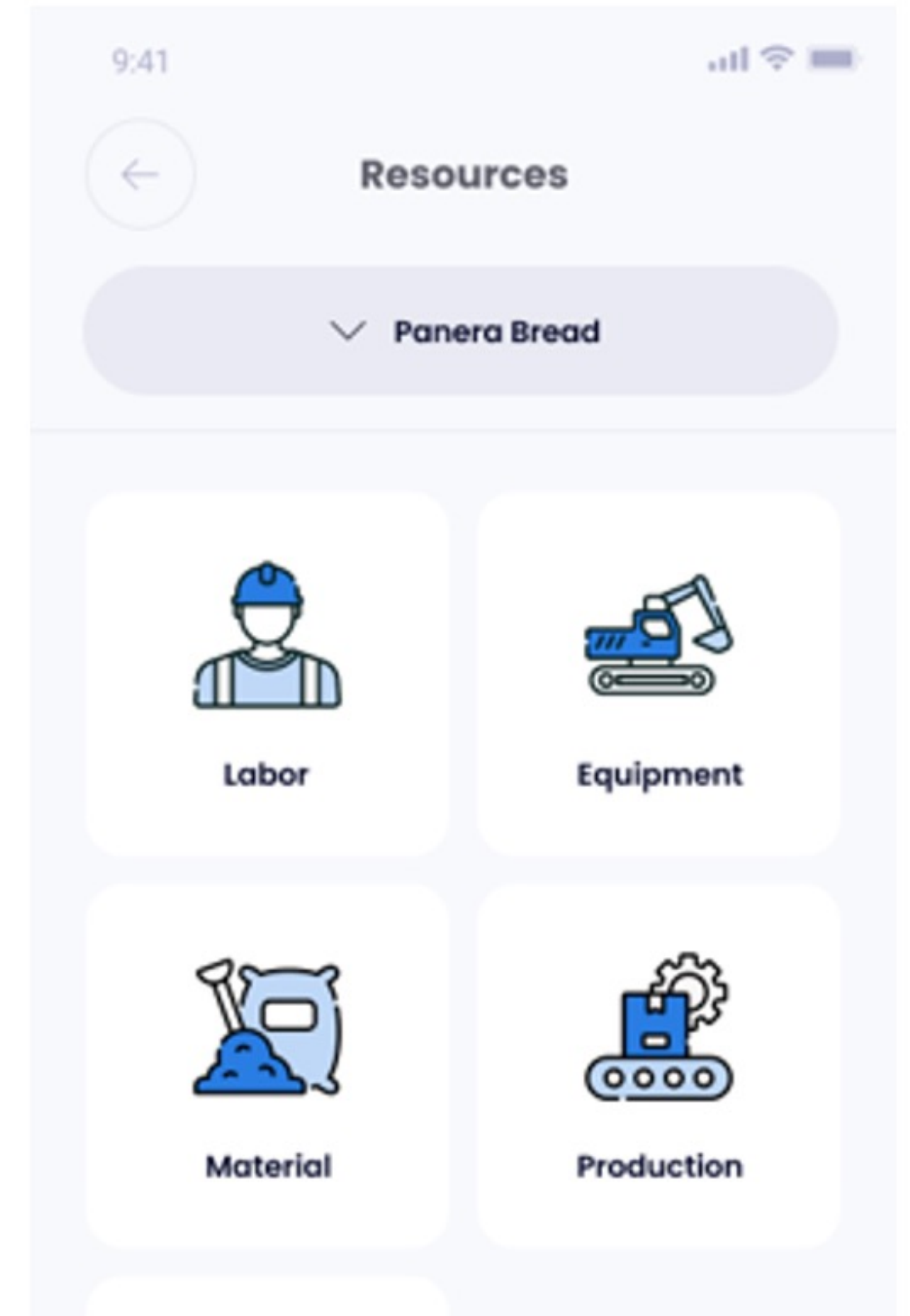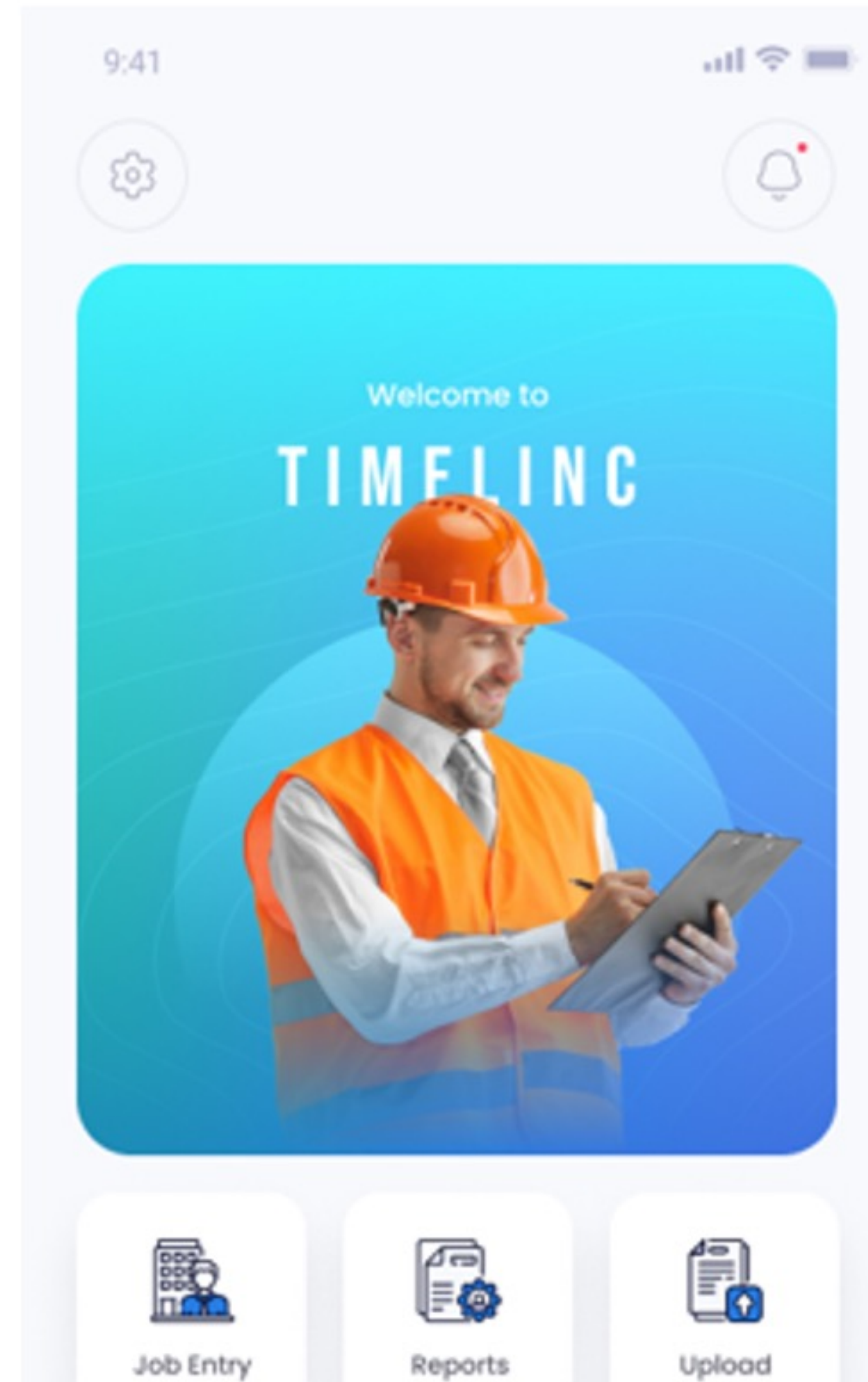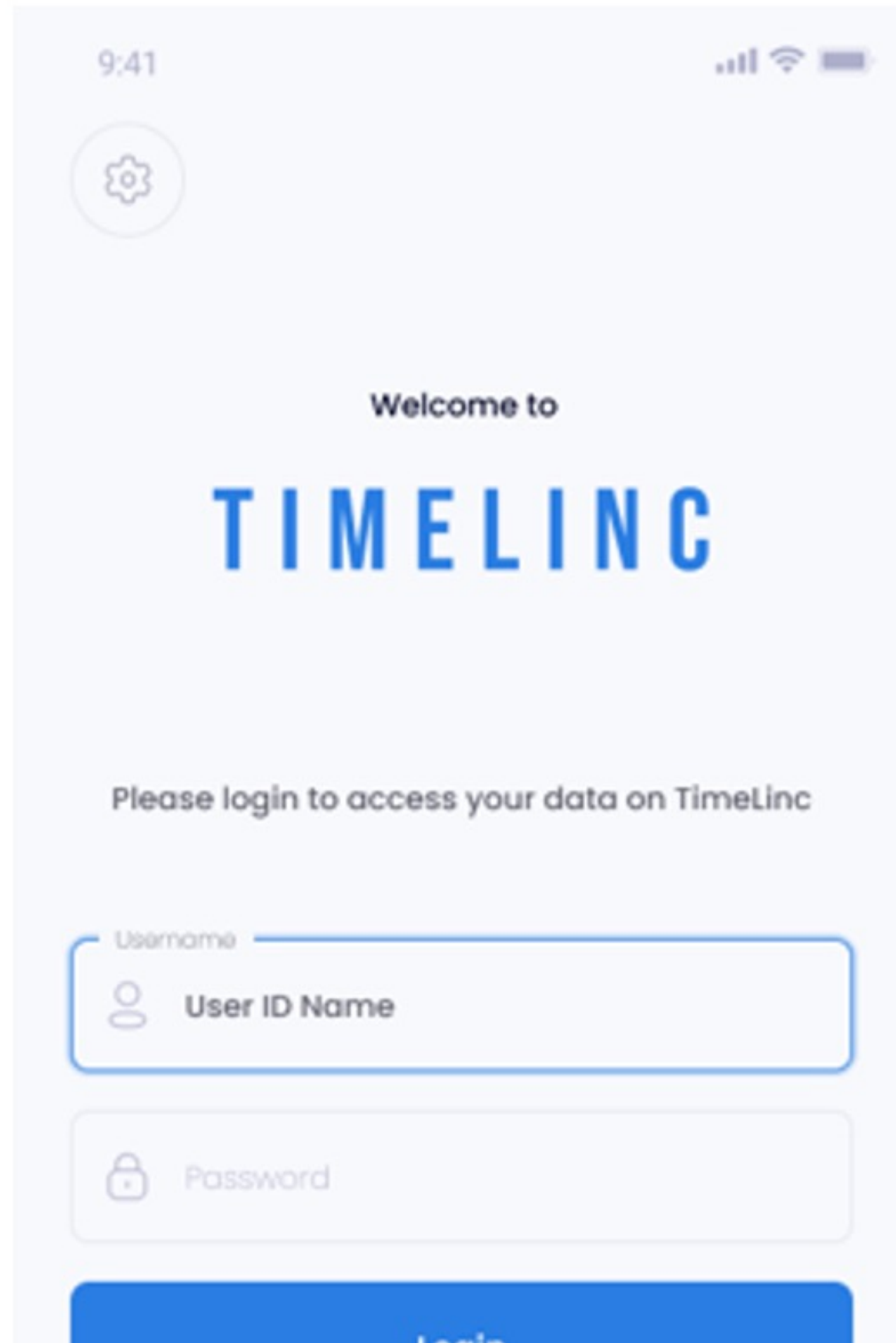
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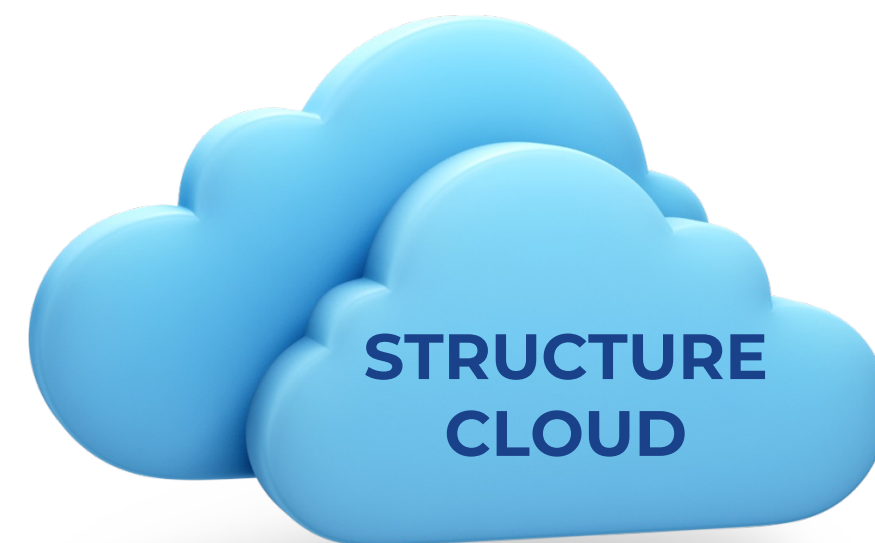
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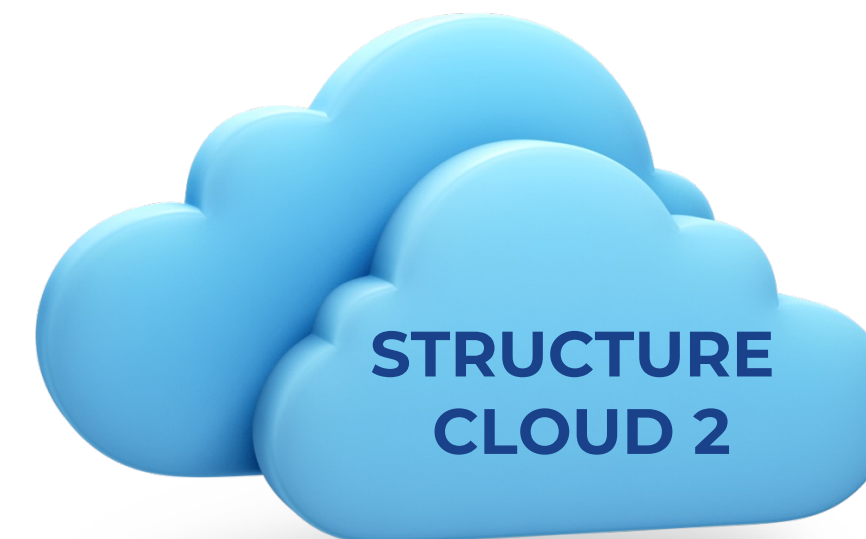
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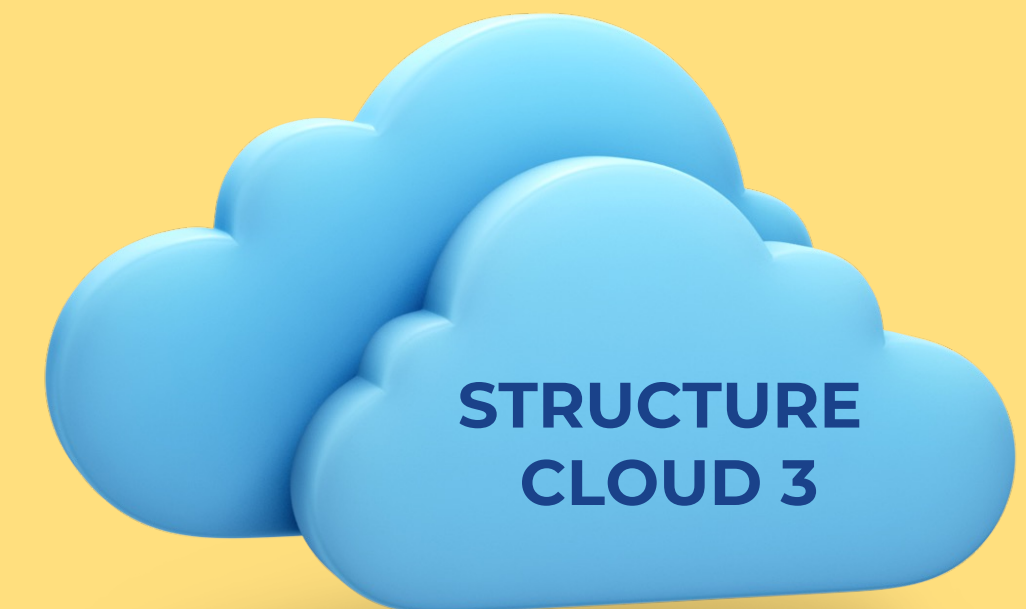
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STRUCTURECLOUD 3

Design & Development focus in 2023

❖ Redesign STRUCTURE screens for native web look & feel

❖ Redesign mobile apps to be form-based

❖ Seamless Web+Mobile integration

❖ Build out integrations ("StructurePlatform")

STRUCTURECLOUD 3
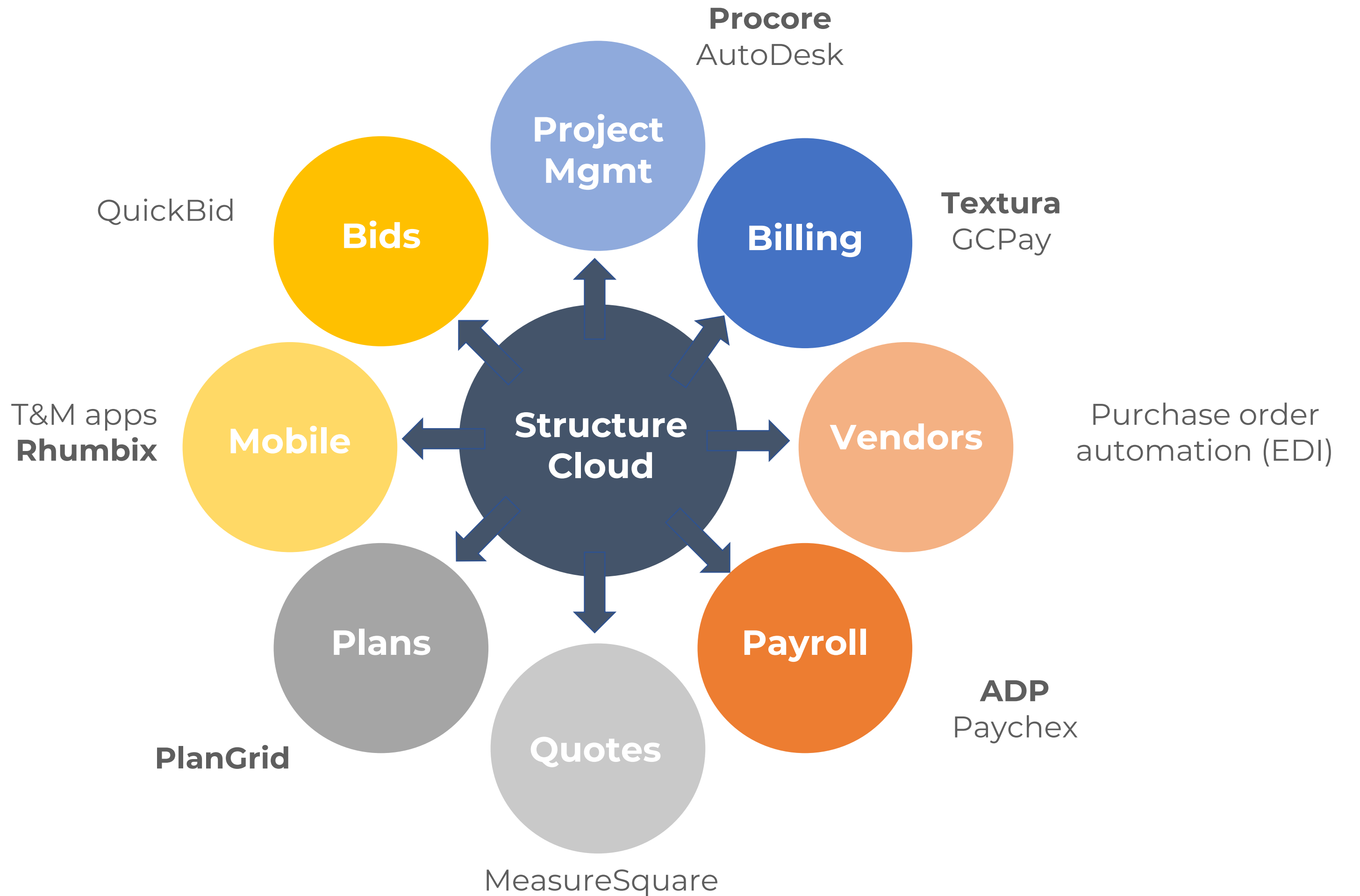
Design & Development focus in 2023

Remember, THE FUTURE always looks like this...

"STRUCTURE AS A PLATFORM"

GOAL
Contractor accounting/ERP platform designed for best-of-breed connectivity

Procore
AutoDesk

QuickBid

Textura
GCPay

T&M apps
Rhumbix

Purchase order automation (EDI)

PlanGrid

ADP
Paychex

MeasureSquare

Project Mgmt · Bids · Billing · Mobile · Structure Cloud · Vendors · Plans · Payroll · Quotes

SUMMARY

❖ Multiyear effort to modernize STRUCTURE

❖ Will transform: Delivery, Data access, Reporting, Look & Feel, Mobile capability, Integrations

❖ Phased Approach – **minimize risk**

   Now. StructureCloud   Consider migrating

   Next. StructureCloud 2.   WebApp + StructureSQL

   Later. StructureCloud 3   UX redesign + open APIs

Goal: Best-in-class features, look & feel, connectivity…

…to match our best-in-class service & support.