

The background features a vibrant purple-to-orange gradient. A large, glowing yellow-orange line forms a loop that curves across the upper right portion of the image. Below this, a large, semi-transparent, rounded rectangular shape in shades of purple and magenta is positioned. In the bottom left corner, a thin, glowing green line extends diagonally across the frame.

AWS re:Invent

NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

PRT098

SPONSORED BY SISENSE

How to integrate analytics into DevOps processes using Git

Scott Castle

Chief Strategy Officer
Sisense

Speaker : Scott Castle



Scott is
Chief Strategy Officer for Sisense

He brings more than 25 years of experience in software development and product management at leading technology companies including:

- Adobe
- Periscope Data
- Electric Cloud (acquired by Cloudbees)
- FileNet (acquired by IBM)

Agenda

Why DevOps is critical for embedded analytics projects

Critical capabilities for embedded platforms

Why BI platforms usually don't support SCM



Rihanna Jones
Chief Revenue Officer



HOME

Home

OVERVIEW

Accounts

Opportunities 2+

Insights

Reports

PIPELINE GENERATION

Campaigns

Communication

Home

Total Sales

Total Sales
\$71.96M

Target 71.43%

Win Rate

Win Rate
77.17%

Average Win Rate 76%

Pipeline

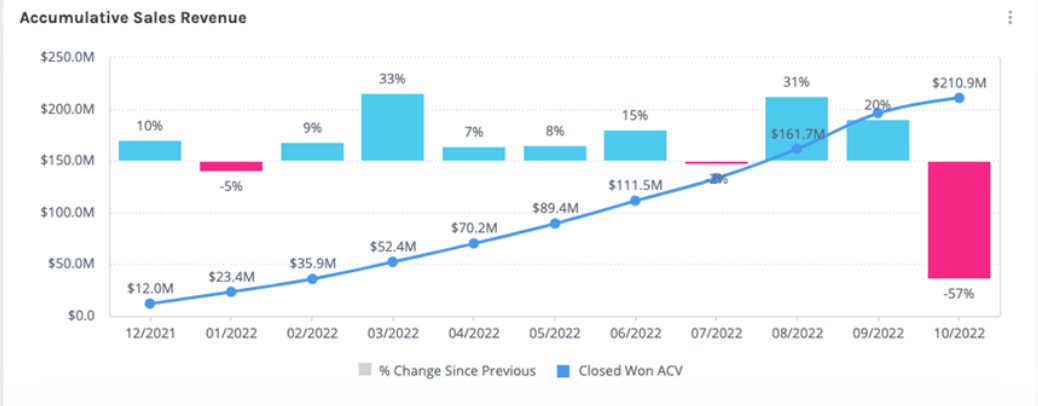
Opportunity Pipeline
\$22.42M

Rated by Win Rate \$16.4M

Growth Rate - YoY

Growth Rate - YoY
45.03%

Revenue Growth 22.75M



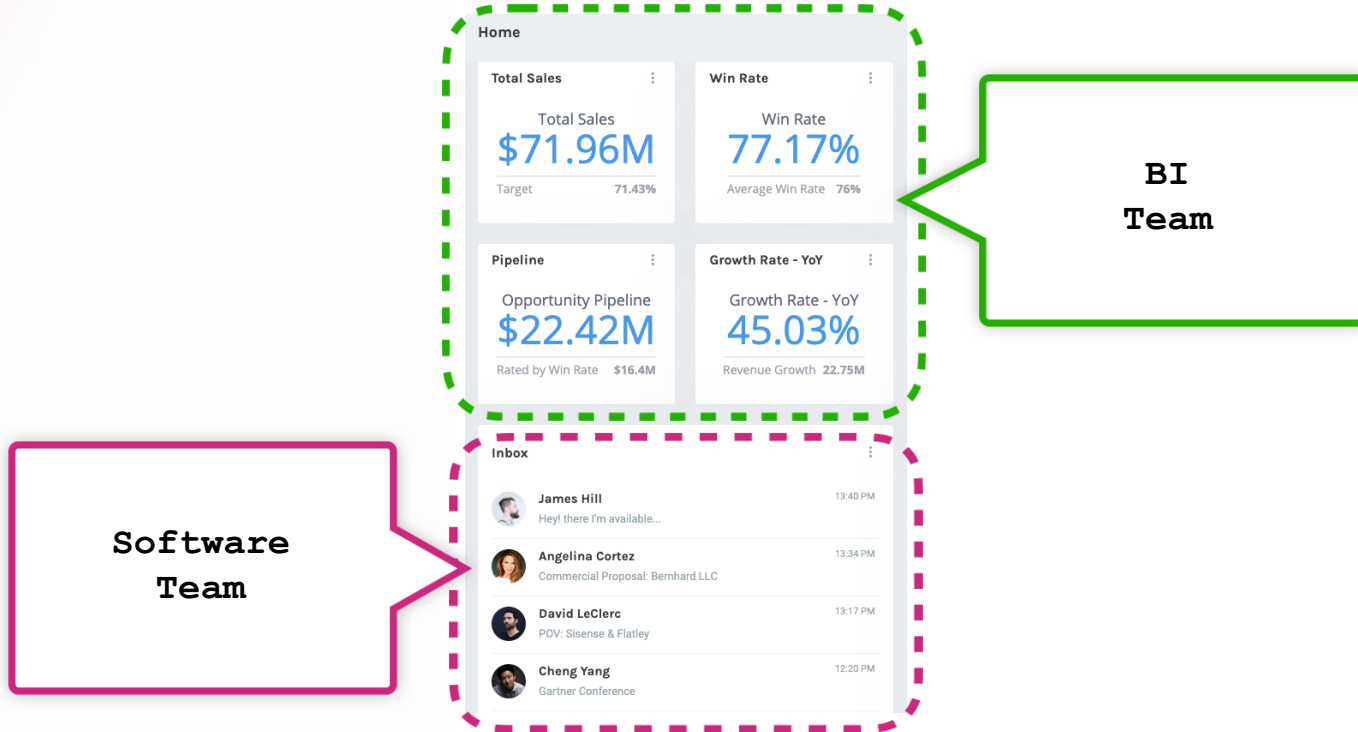
Inbox

	James Hill Hey! there I'm available...	13:40 PM
	Angelina Cortez Commercial Proposal: Bernhard LLC	13:34 PM
	David LeClerc POV: Sisense & Flatley	13:17 PM
	Cheng Yang Gartner Conference	12:20 PM
	Rajeed Alaba	10:15 PM

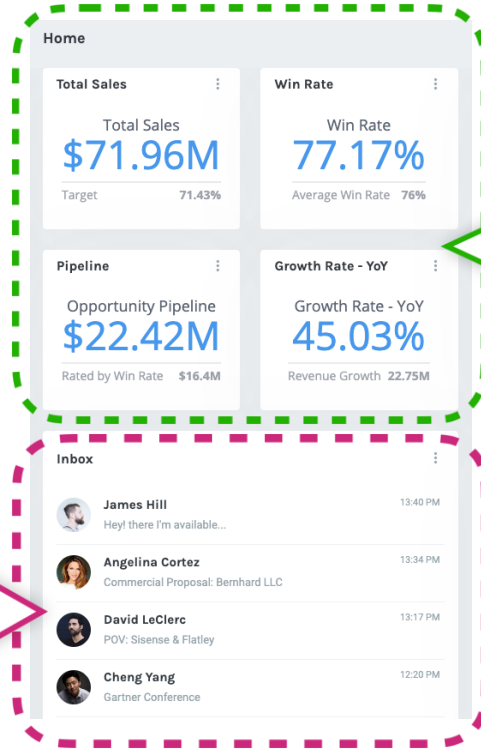
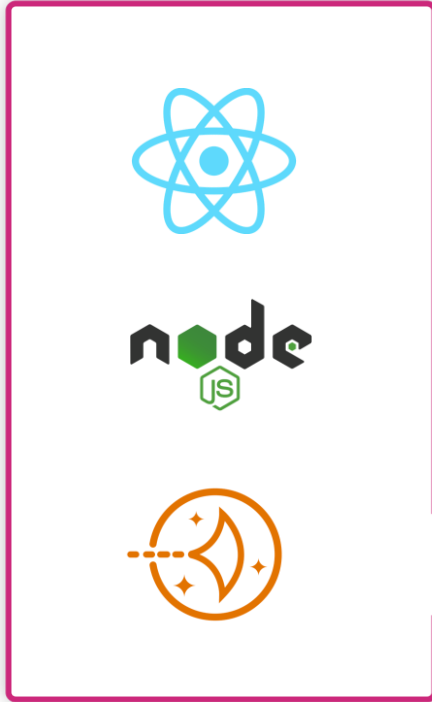
Latest Projects

#	Project Name	Start Date	Due Date	Status	Assign
1	Bernhard LLC	2022-10-15	2022-10-15	Released	Tyrone Nevin
2	Kuhn and Sons	01/01/2017	26/04/2017	Released	Jasmin Begum
3	Flatley Inc	01/05/2017	10/05/2017	Pending	Cristina Sanchez
4	Lindgren Ltd	01/01/2017	31/05/2017	Work In Progress	Lily Peacock
5	Zemlak Inc	01/01/2017	31/05/2017	Coming soon	Lily Peacock

Embedded Analytics blend code & analytics



Multiple teams, multiple stacks, conflicts



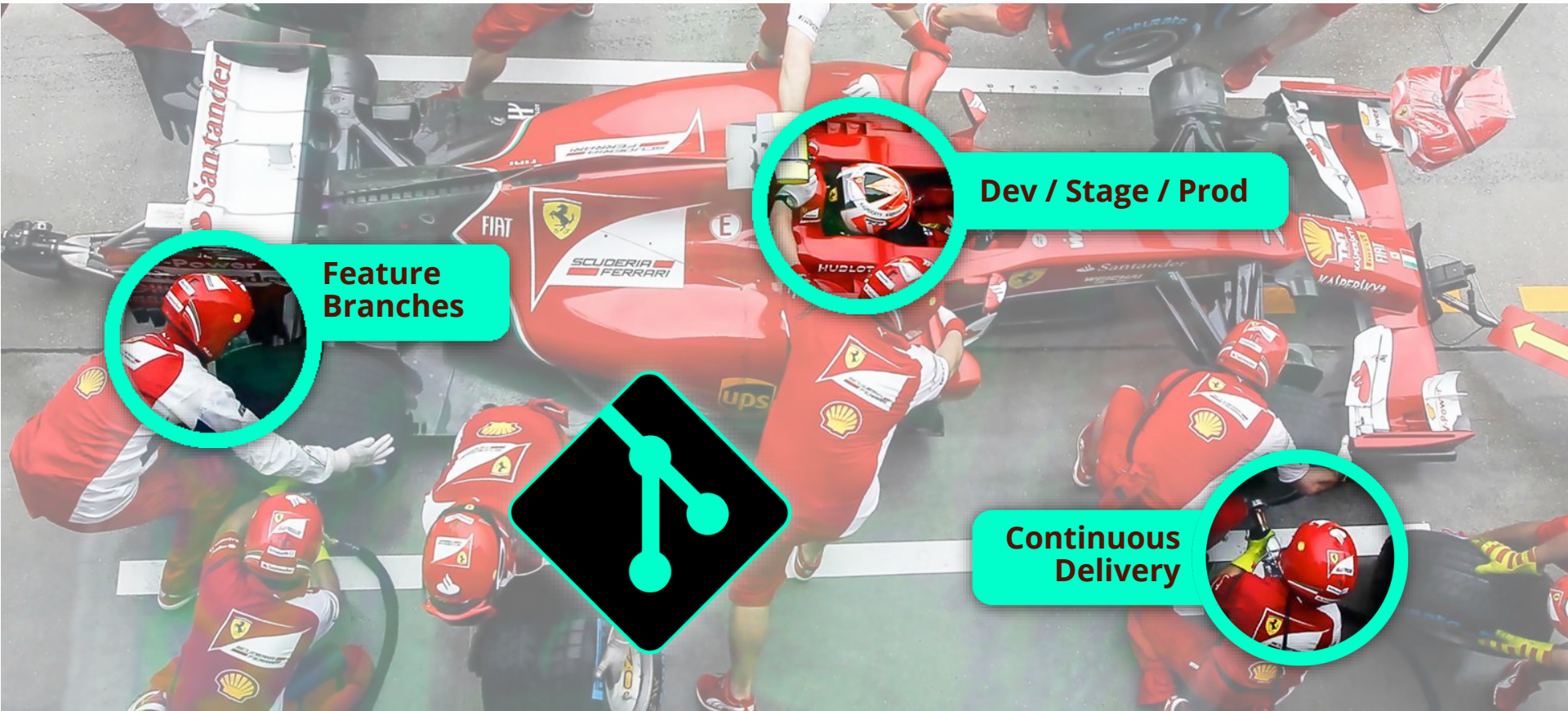
```
select coffee
from pot
where milk = false
```

A green-bordered box containing a bar chart icon at the top, a SQL query in the middle, and a purple icon of a coffee cup with a molecular structure at the bottom.

Unify with a DevOps methodology



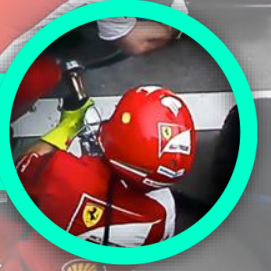
Unify with a DevOps methodology



Feature Branches



Dev / Stage / Prod



Continuous Delivery

Unify with a DevOps methodology

Feature
Branches

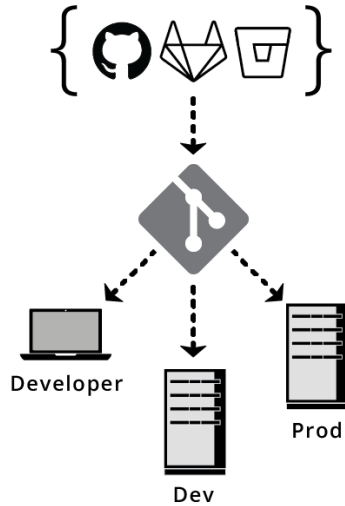
Dev / Stage / Prod

Continuous
Delivery

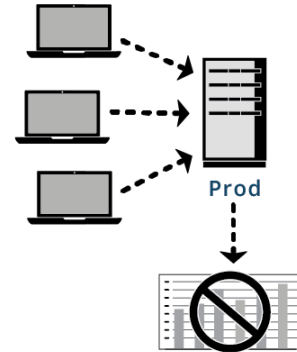


Legacy BI not built with SCM in mind

Software Team



BI Team



Critical Capabilities for Embedded Platforms

Represent all elements as source files

Code > Binary

Source enables diffs, merges
- handle multiple authors

CRUD outside embedding
platform

Cover everything

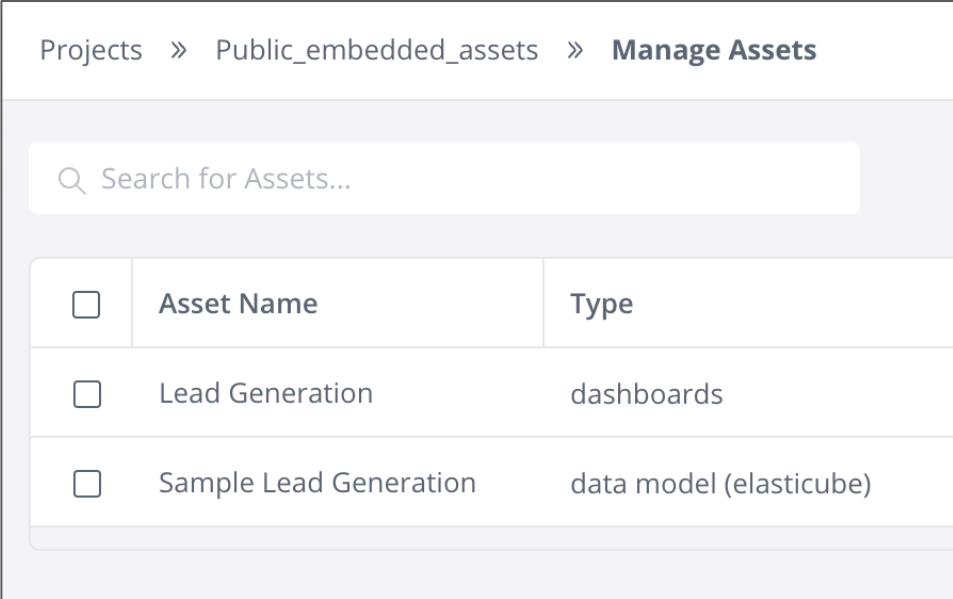
```
{
  "filters": [
    {
      "disabled": false,
      "isCascading": false,
      "jaql": {
        "collapsed": false,
        "column": "Date",
        "datasource": {
          "address": "LocalHost",
          "database": "aSampleIAAaLeadIAAaGeneration",
          "fullname": "LocalHost/Sample Lead Generation",
          "id": "localhost_aSampleIAAaLeadIAAaGeneration",
          "title": "Sample Lead Generation"
        },
        "datatype": "datetime",
        "dim": "[Lead Generation.Date (Calendar)]",
        "filter": {
          "all": true,
          "explicit": false,
          "multiSelection": true
        },
        "isDashboardFilter": true,
        "level": "years",
        "merged": true,
        "table": "Lead Generation",
        "title": "DATE"
      }
    },
  ],
}
```

Support any branching strategy

Groups of assets may be on different branches/revisions

Support dev team branch structure, don't impose one

High flexibility for dev/stage/prod



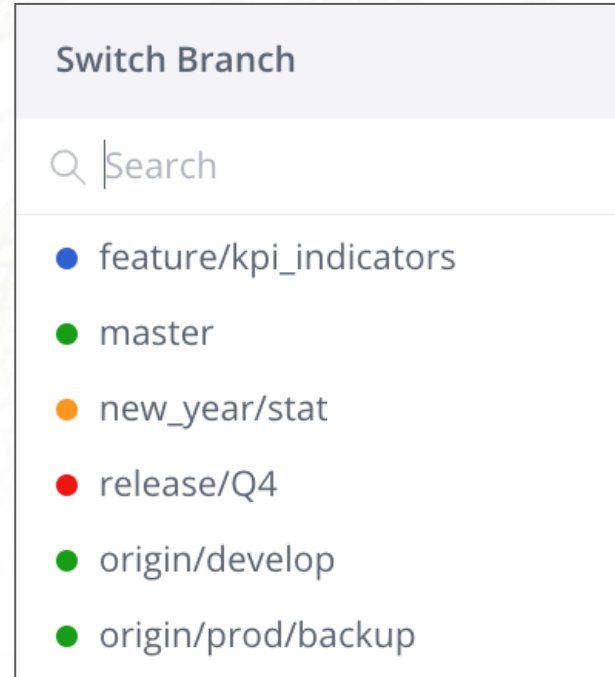
The screenshot shows a web interface for managing assets. At the top, there is a breadcrumb trail: "Projects » Public_embedded_assets » Manage Assets". Below this is a search bar with the placeholder text "Search for Assets...". Underneath the search bar is a table with three columns: a checkbox, "Asset Name", and "Type".

<input type="checkbox"/>	Asset Name	Type
<input type="checkbox"/>	Lead Generation	dashboards
<input type="checkbox"/>	Sample Lead Generation	data model (elasticube)

Any instance | Any project | Any branch

Support instant switching
of branches in any instance

Switch branches per project



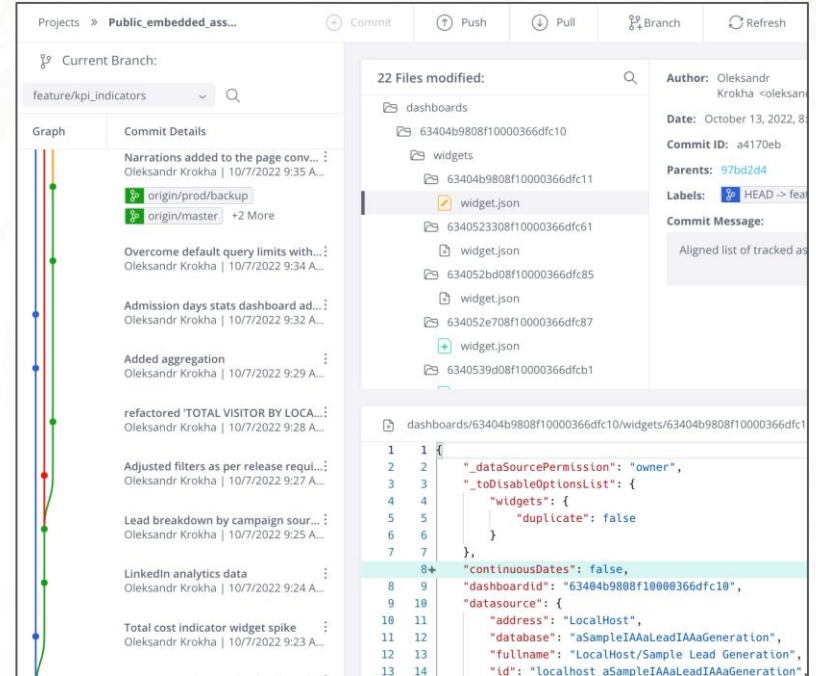
Interfaces to platform

Platform tasks in platform UX

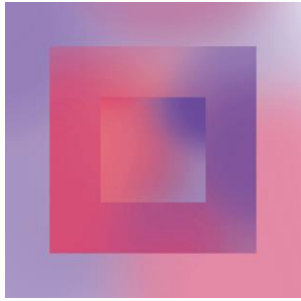
Repo tasks in repo host

APIs for automation

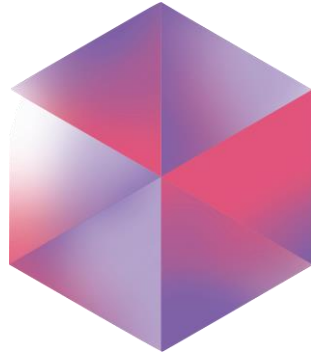
Don't Nerf Git



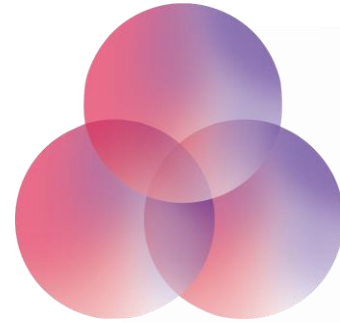
Sisense natively supports Git



Assets
as Source



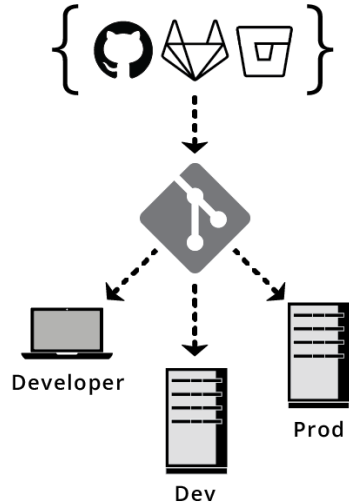
Branch
Strategy



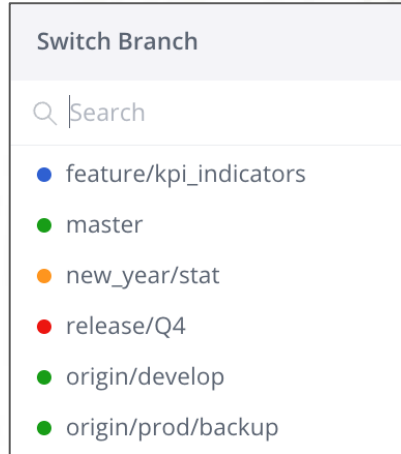
Interfaces

Benefits of doing it this way

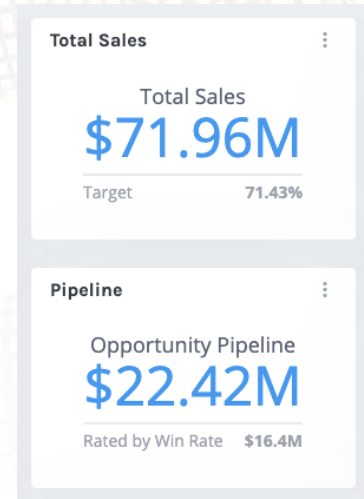
Works with Git



Leverage your investment
in DevOps



Develop, test, and release
with confidence



What we covered

Why DevOps is critical for embedded analytics projects

Critical capabilities for embedded platforms

Why BI platforms usually don't support SCM

How Sisense supports Git, CI/CD, DevOps



The Knowledge to Act.

Thank you!



Please complete the session survey in the **mobile app**

