



# Analytics & Prediction Framework

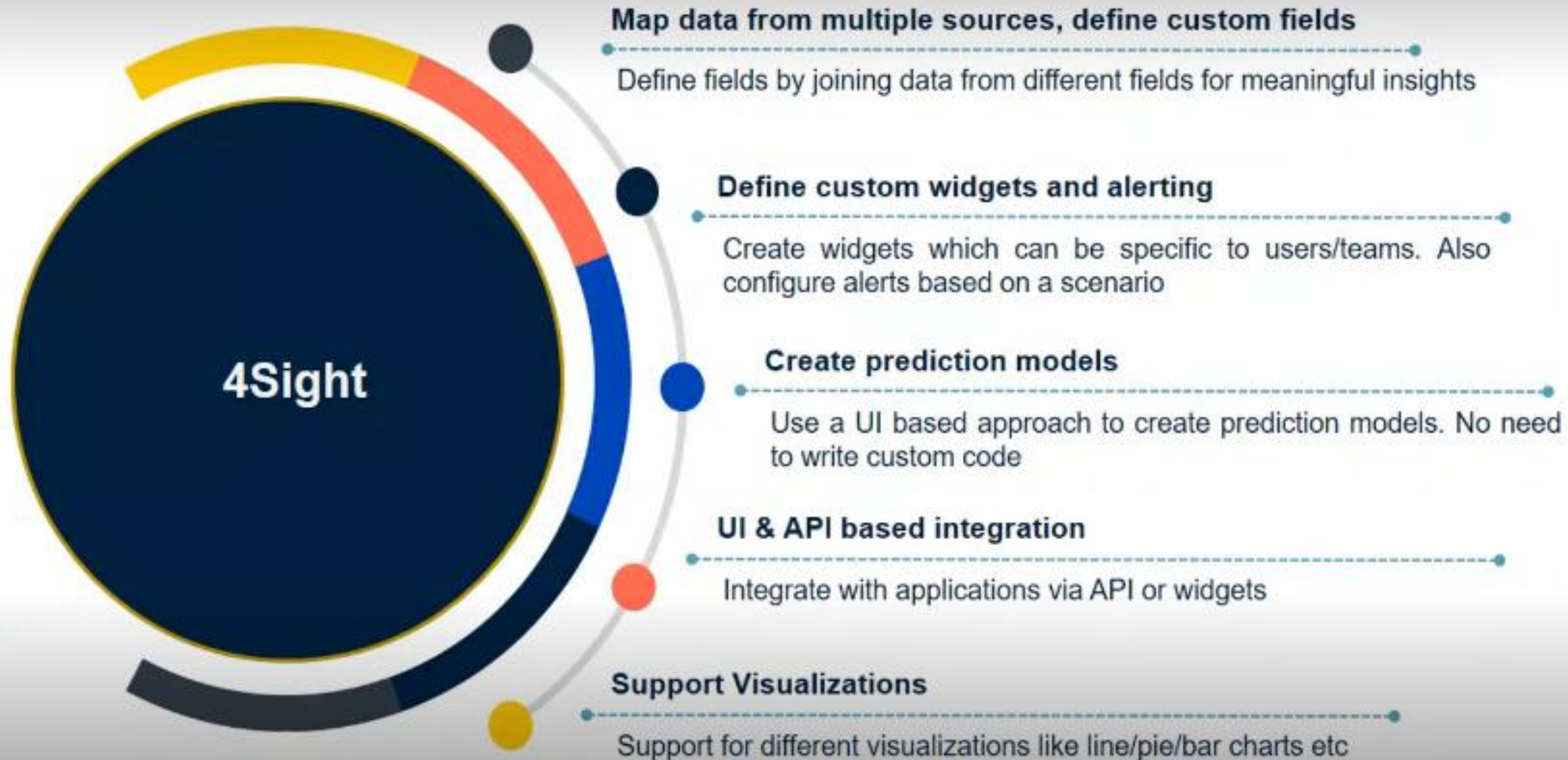


# 4SIGHT

4Sight is a generic analytics & prediction framework from THIS. It is built to work with any source of data (logs, databases, streaming data etc.) and give insights to users. The framework generates widgets which can be embedded into any existing applications, there by seamlessly bringing in analytics & prediction capabilities to an application.

The complete product is API driven making it integrate with other applications to not just visualize but also utilize the analytic/prediction data within applications.

# Key Features





## Key Benefits

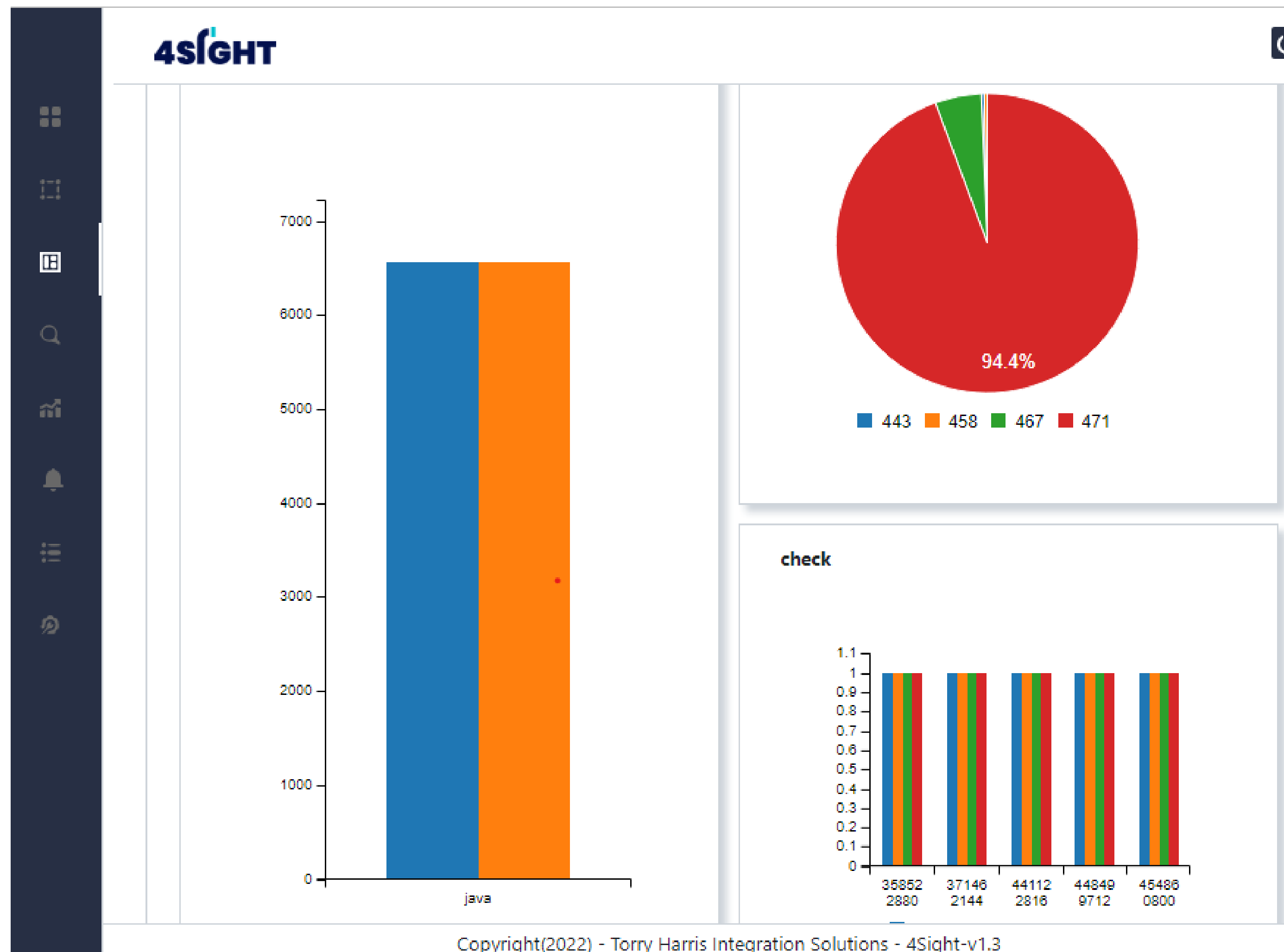
- Built to compliment existing application
- Plug-in into different data sources
- Define custom schemas
- Supports multi-tenancy
- Built in prediction models
- Change prediction & retrain the model using the UI
- Control the Analytics/Predictions from the UI
- Define fine grained access to the data
- Hide sensitive fields from logs
- Inbuilt log search capability
- Re-use existing Elastic Search setup
- Configure alerts for any failure scenarios
- Reduces duplication of data

# Widget Feature



- Drag and Drop Feature
- Supports different visualizations like bar, pie, line, area, gauge .
- Supports Filters at different levels
- Customizable Time Range
- Supports Custom Sort.

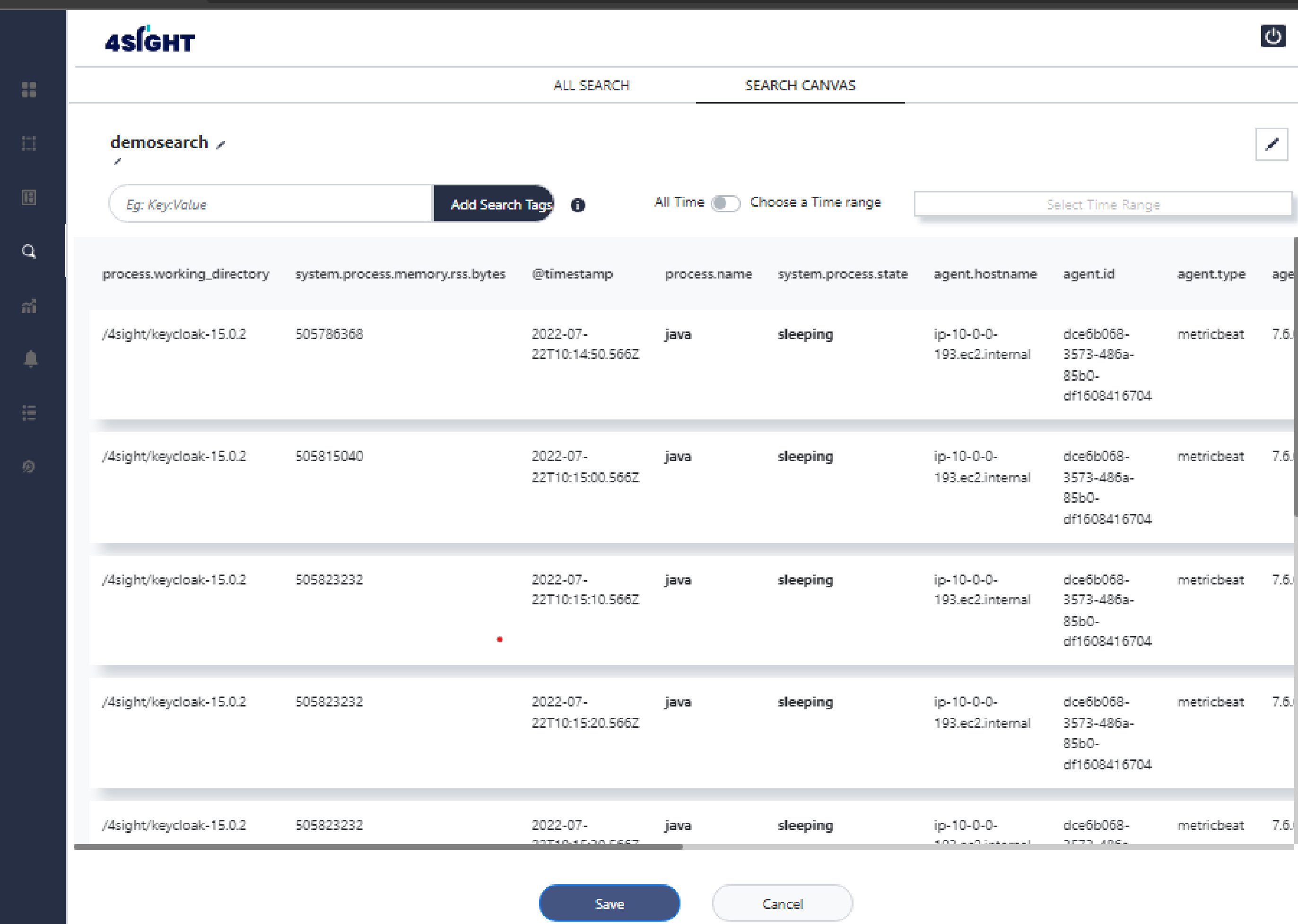
# Dashboard Feature



- Provide predefined templates
- Support for dynamic templates
- Drag and Drop interface for customization
- Support Dynamic width and height for Widgets
- Customizable Time Range
- Support Dashboard for Auto Refresh



# Search Feature



The screenshot displays the 4sight Search Canvas interface. At the top, there's a header with the 4sight logo and a power icon. Below the header, there are tabs for 'ALL SEARCH' and 'SEARCH CANVAS'. The 'SEARCH CANVAS' tab is active, showing a search bar with the text 'demosearch' and a search icon. Below the search bar, there's a section for 'Add Search Tags' and a time range selector. The main area contains a table of search results with columns: process.working\_directory, system.process.memory.rss.bytes, @timestamp, process.name, system.process.state, agent.hostname, agent.id, agent.type, and age. The table shows five rows of data, all for the process '/4sight/keycloak-15.0.2' in a 'sleeping' state. At the bottom, there are 'Save' and 'Cancel' buttons.

process.working_directory	system.process.memory.rss.bytes	@timestamp	process.name	system.process.state	agent.hostname	agent.id	agent.type	age
/4sight/keycloak-15.0.2	505786368	2022-07-22T10:14:50.566Z	java	sleeping	ip-10-0-0-193.ec2.internal	dce6b068-3573-486a-85b0-df1608416704	metricbeat	7.6
/4sight/keycloak-15.0.2	505815040	2022-07-22T10:15:00.566Z	java	sleeping	ip-10-0-0-193.ec2.internal	dce6b068-3573-486a-85b0-df1608416704	metricbeat	7.6
/4sight/keycloak-15.0.2	505823232	2022-07-22T10:15:10.566Z	java	sleeping	ip-10-0-0-193.ec2.internal	dce6b068-3573-486a-85b0-df1608416704	metricbeat	7.6
/4sight/keycloak-15.0.2	505823232	2022-07-22T10:15:20.566Z	java	sleeping	ip-10-0-0-193.ec2.internal	dce6b068-3573-486a-85b0-df1608416704	metricbeat	7.6
/4sight/keycloak-15.0.2	505823232	2022-07-22T10:15:30.566Z	java	sleeping	ip-10-0-0-193.ec2.internal	dce6b068-3573-486a-85b0-df1608416704	metricbeat	7.6

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- Define multiple indexes and fields
- Supports time-based Search
- Define n number of search Tags
- Add Dynamic search Tags by user events
- Support time-based sorting of data

# Alert Feature

4sIGHT

⚙️

ALL ALERT
CONFIGURE ALERT

Alert Name

Choose Dataset

Time Range

Notify Every

Same as Evaluate every

Day(s) ▼

To

BCC

Alert Description

Query

Add Query
1

COUNT(process\_n...)
Clear All

Evaluate-every

Minute(s) ▼

Email Subject

CC

Message


new password

Save
Cancel

- › Alerts can be configured to notify if the value in a dataset has changed beyond a particular threshold.
- › Email notifications can be configured for the same.
- › Users will receive email notifications
- › Based on the query set to check the threshold.



# Prediction Feature


⏻

ALL PREDICTION MODELS
CREATE PREDICTION MODELS

Train
📄

Model Name

Select Algorithms

Input Params

process.working...
process.name...
system.process...
system.process...

Training Data Set

 %
 

Batch Size

Model Description

Enter a description for the prediction model

Select Dataset

Output Param

Schedule Interval Training

Day (▼)

Evaluation Metrics

Save
Cancel

- Can configure one or more prediction models
- Prediction models configuration is UI driven, No deployment specific configuration.
- Input params and output params can be configured dynamically
- Consuming prediction through API interface
- Scheduled model training.

# DEMO