

# IROC REPORTING

Advanced

# OBJECTIVES

- Reporting basics and how to begin
- Report outputs
- Types of reports
- Modify report style
- Demo data items
- Scheduling tips
- Sharing reports
- Dashboards

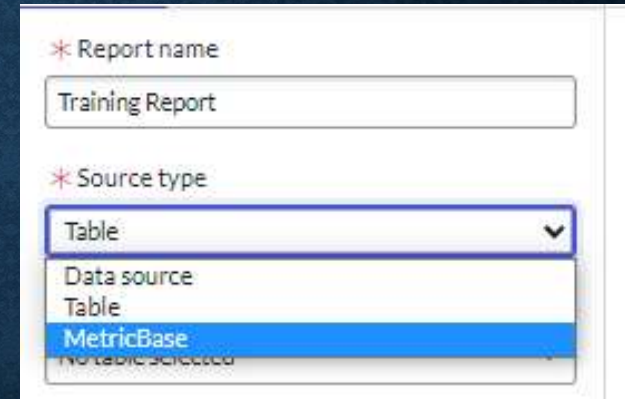
# THE BASICS – WHERE TO BEGIN

- Data structure
  - Reference Fields
    - Point to values from other tables
- Data Dictionary
  - We have one!



# THE BASICS – WHERE TO BEGIN

- Always try Global Reports first
  - Predefined filters
  - Based on Center you are currently logged into (Dynamic)
- Create a Report
  - Set report name
  - Select Source Type
  - Select Table or Data Source
    - Tables
    - Data Source – Joins together information from different Tables
      - Preset filters
    - MetricBase
      - Service Now item; not used for IROC program



The screenshot shows a web-based form for configuring a report. It has two main sections:

- \* Report name:** A text input field containing the text "Training Report".
- \* Source type:** A dropdown menu currently showing "Table". Below the dropdown is a list of available data sources:
  - Data source
  - Table
  - MetricBase** (highlighted in blue)
  - No tables selected

# THE BASICS – WHERE TO BEGIN

## Selecting tables

- It is important to select data elements that answer your reporting question

### Example 1:

Report question: I want to see all the wildfire incidents this year for my dispatch center.

- What table would you use?

A. Incidents

B. Requests

C. Resources

# THE BASICS – WHERE TO BEGIN

## Selecting Tables

### Example 2:

Report question: I want to see all the overhead requests on the Moose fire.

- What table would you use?
  - A. Incidents
  - B. Requests**
  - C. Resources

# THE BASICS – WHERE TO BEGIN

## Selecting Tables

### Example 3

Report question: I want to see all the overhead resources in the Durango dispatch center with the qualification of DIVS.

- What subject area(s) would you use?
  - A. Incidents
  - B. Requests
  - C. Resources

# TYPES OF REPORTS

- There are many report types available in IROC
  - List
    - Displays data in rows and columns
  - Score
    - Displays data as single total
  - Pivot Table
    - Displays summary of quantitative information in intersections of rows and columns
  - Graph
    - Compare individual or aggregate scores across data dimensions
  - Several others

# TYPES OF REPORTS

920 total QST1 Request Status 12

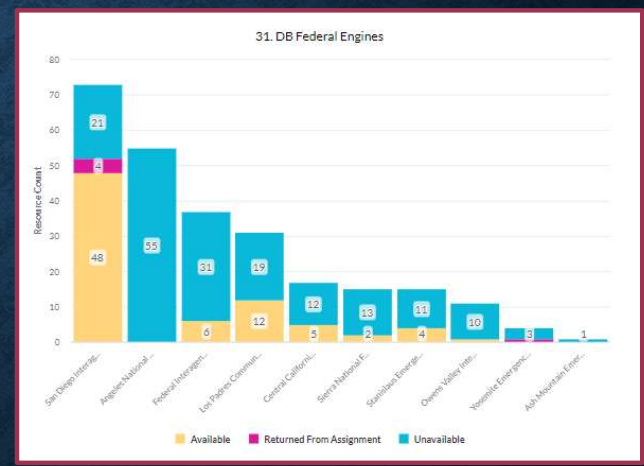
R05 assignments Out of State at or after Nov 2022

Unit Identifier	Unit Identifier	Resource	National Resource	Abbreviation	Unit Identifier	Incident Number	Incident Name	Incident Dispatch GACC Unit Code
CA-ONCC	CA-CICC	Acosta, Michael Thomas	false	USFS	CA-ENF	AZ-PNF-001404	FY23 PNF National RX Support	NM-SWC
CA-ONCC	CA-CICC	Alcantar, Adrian	false	USFS	CA-TMU	AL-ALF-230004	ALF RX SUPPORT - CV23	GA-SAC
CA-ONCC	CA-CICC	Breitwieser, Kevin G	false	USFS	CA-ENF	AZ-PNF-001404	FY23 PNF National RX	NM-SWC
CA-ONCC	CA-CICC	Bunte, Zachary Ryan	false					
CA-ONCC	CA-CICC	Cal, Phuong T	false					
CA-ONCC	CA-CICC	Cal, Phuong T	false					

04 CSR T1 Crews  
**29**

**Calf Canyon Non-Fed Agencies Assigned**

Owner Organization	Catalog	Aircraft	Crew	Equipment	Overhead	Count
Alaska Division of Forestry Central Office					4	4
Albany County				2	2	4
Anaheim Fire and Rescue					2	2
Apache County Emergency Management				1		1
Arizona Department of Emergency Management					1	1
Arizona Department of Forestry and Fire Management Central District					38	38
Arizona Department of Forestry and Fire Management Northeast District				5		5
Arizona Department of Forestry and Fire Management Northern District					9	9
Arizona Department of Forestry and Fire Management Northwest District					2	2
Arizona Department of Forestry and Fire Management State Office			2		20	22
Arizona Department of Forestry and Fire Management Southeast District					9	9
Aurora Fire Department					1	1
Avra Valley Fire District					1	1
Bear River Area Office				1	2	3
Beaver Dam Littlefield Fire District					3	3



# REPORT OUTPUT

- Right click the top of a column
  - Excel
  - CSV
  - JSON
  - PDF
- From share
  - Export to PDF

# CREATING LIST REPORTS

- Objectives
  - Best practices to use while building a report
    - Generate a simple list report
    - Manipulate columns
    - Add/Modify filters
    - Group
    - Set style items
    - Save report

# CREATING LIST REPORTS

- Saving a report
  - Retains specific set of instructions for extracting particular data
  - Will not save results of a particular run
    - Runs fresh data on opening

**ANY QUESTIONS?**

# DEMO 1A

## Purpose:

You want to create a simple list report to show requests filled by your current dispatch center this year, by catalog


## Task 1. Open IROC Reports

Task 2. Modify IRQ300 report to include only requests filled by your current center this year

1. Report name: Demo 1A
2. Table: Request [x\_fosf\_iroc\_request]
3. Click Next

# DEMO 1A

Table: Request [x\_fosf\_iroc\_request]

 All

[Add Sort](#)

▼ **CONDITIONS**

All of these conditions must be met

AND	Assigned Date/Time	at or after	01-01-2026 00:00:01
	Filling Organization	is (dynamic)	My Current Dispatch

# DEMO 2A

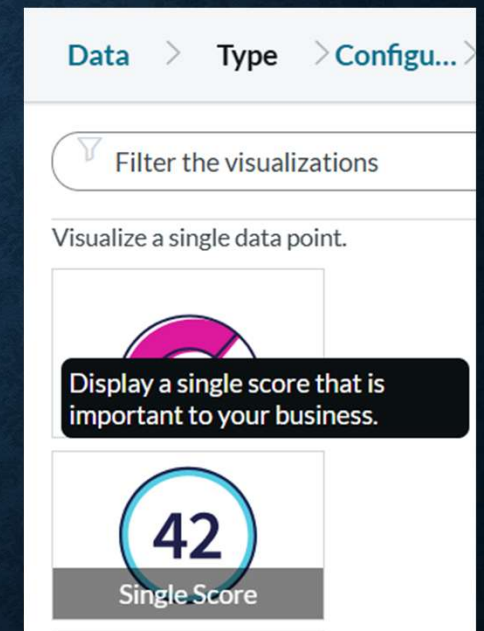
## Purpose:

You want to create a single score report to show requests filled by your current dispatch center this year, by catalog

## Task 1. Open IROC My Reports

## Task 2. Modify report to show as single score

1. Open report: Demo 1A
2. Change report name to Demo 2A.
3. Change Type to Single Score
4. Click Next
5. Insert and Stay



# DEMO 2A

Table: Request [x\_fosf\_iroc\_request]

▽ All > Assigned Date/Time >= 01-01-2023 00:00:01 > Filing Organization is Federal Interagency Emergency Command Center

Demo 2A  
47

# DEMO 3A

## Purpose:

You want to create a pivot table report to show requests filled by your current dispatch center this year, by catalog

## Task 1. Open IROC My Reports

## Task 2. Modify report to show as multi-level pivot table

1. Open report: Demo 2A
2. Change report name to Demo 3A
3. Change report type to Multi-level pivot table
  1. Single level pivot will not email if scheduled
4. Insert and stay
5. Click Next

# DEMO 3A

## **TASK 3. Set Columns and Rows**

1. Select Column
  1. Catalog
2. Select rows
  1. Incident
3. Click next
4. Save

# DEMO 3A

Table: Request [x\_fosf\_iroc\_request]

⌵ All > Assigned Date/Time >= 01-01-2023 00:00:01 > Filling Organization is Federal Interagency Emergency Command Center

Demo 3A

Incident	Catalog	Equipment	Overhead	Count
BDF SUPPORT / EXTENDED STAFFING 2023			3	3
CY23 LPF STORM DAMAGE			5	5
CY23 SNF SUPPORT		2	8	10
FY2023 NFMS RX BURN SUPPORT			2	2
FY23 STF RX D54 HUD			14	14
LAWSON		1		1
PIERCE		4	7	11
SHAY		1		1
Count		8	39	47

# DEMO 4A

## Purpose:

You want to create a bar report to show requests filled by your current dispatch center this year, by catalog

## Task 1. Open IROC My Reports

## Task 2. Modify report to show as bar report

1. Open report: Demo 1A
2. Change report name to Demo 4A
3. Insert and Stay

# DEMO 4A

Task 1. Open IROC My Reports

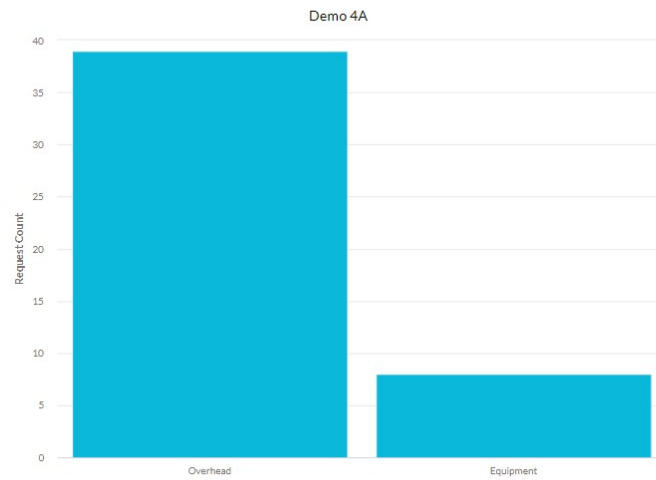
Task 2. Modify report to show as bar report

1. Change Type to Bar
2. Click Next
3. Group by
  1. Catalog
4. Save

# DEMO 4A

Table: Request [x\_fosf\_iroc\_request]

▽ All > Assigned Date/Time >= 01-01-2023 00:00:01 > Filling Organization is Federal Interagency Emergency Command Center



# QUESTIONS

Any questions on changing  
report types?

# DEMO 5A

## Purpose:

You want to modify the style of your list report

## Task 1. Open IROC My Reports

## Task 2. Modify report to show as bar report

1. Open report: Demo 1A
2. Change report name to Demo 5A
3. Insert and Stay

# DEMO 5A

Task 3. Edit the following:

1. Edit chart title

1. CDAT Demo 5A

2. Edit Size of chart title

1. 20

3. Edit chart title color

1. #9A0E2A

4. Save

# DEMO 5A

Demo 5A					
Agency Emergency Command Center					
CDAT Demo 5A					
Request Status	Mobilization ETD Date	Mobilization ETD Time	Mobilization ETA Time	Demobilization ETD Date	Demobilization ETD Time
Complete	02-23-2023	0530	0700	02-23-2023	1600
Complete	02-23-2023	0530	0700	02-23-2023	1600

# DEMO 6A

## Purpose:

You want to filter for resources provided only by CAL FIRE or U.S. Forest Service in CA/R5 on the 2025 Palisades incident, LFD-000738

### **Task 1. Open IROC Reports**

1. Navigate to Global Reports
  1. Create a report
2. Name
  1. Demo 6A
3. Table
  1. Request
4. Next
5. Save

# DEMO 6A

## **TASK 2. Add columns**

1. Add the following columns:
  1. Resource.Owner.Subdivision
  2. Resource.Owner.Parent Organization
  3. Resource.Owner

# DEMO 6A

## TASK 3. Apply Filters for report

1. Filters:
  1. Incident.Year
    1. 2025 AND
  2. Incident.IncidentNumber
    1. CA-LFD-000738 AND
  3. Resource Owner
    1. Headquarters Department of Forestry and Fire Protection

OR

  1. Resource Owner.Parent Organization
    1. Pacific Southwest Regional Office

2. Save

# DEMO 6A

## **TASK 4. Additional group by**


1. Additional group by

1. Catalog

2. Save

# DEMO 6A

Table: Request [x\_fosf\_iroc\_request]

 All > Incident Incident Number = CA-LFD-000738 > Incident Year = 2025 > Resource Owner = Headquarters Department of Forestry a  
Resource Owner Parent Organization = Pacific Southwest Regional Office

Add Sort

## ▼ REQUEST CONDITIONS

All of these conditions must be met

AND	Incident . Incident Number	is	CA-LFD-000738
	Incident . Year	is	2025
and			
OR	Resource Owner	is	Headquarters Department of Forestry and Fire Protection ×
	Resource Owner . Parent Organization	is	Pacific Southwest Regional Office ×

# DEMO 7A

## Purpose:

You want a pivot table of local resources out of unit or off forest, grouped by provider subdivision name and catalog

### Task 1. Open IROC Reports

1. Create a report
  1. Resource table
2. Dispatch Organization
  1. Is (dynamic)
3. Current Dispatch Organization
  1. Is different from
  2. Dispatch Organization
4. Catalog
  1. Is not Supply
5. Name
  1. Demo 7A
6. Save

# DEMO 7A

Table: Resource [x\_fosf\_iroc\_resource]

All > Dispatch Organization is Federal Interagency Emergency Command Center > Current Dispatch Organization is different From Dispatch Organization > Catalog != Supply

Add Sort

▼ CONDITIONS

All of these conditions must be met

- Dispatch Organization ▼ is (dynamic) ▼ My Current Dispatch ▼
- AND Current Dispatch Organization ▼ is different from ▼ Dispatch Organization ▼
- Catalog ▼ is not ▼ Supply × ▼

	Subdivision	Bureau of Land Management	National Park Service	U.S. Forest Service	Count
Catalog					
Overhead		4	1	22	27
Count		4	1	22	27

# DEMO 8A – USING NEW CRITERIA AND VECTORS

Purpose:

You want a pivot table showing all requests placed up to the GACC by Catalog and POO

## Task 1. Open IROC Reports

1. Create a report
2. Name
  1. Demo 8A
3. Table
  1. Request Transaction
4. Next
5. Save

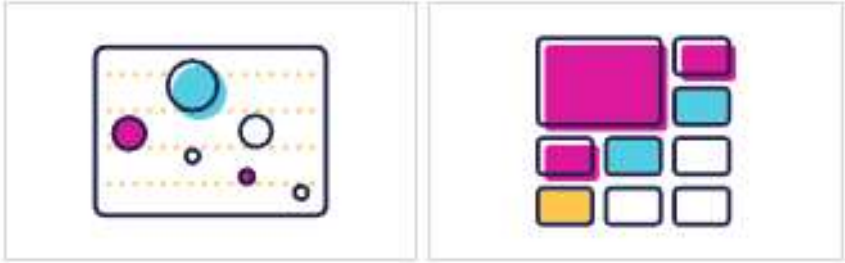
# DEMO 8A

## Task: Convert to table

1. Open Type tab
  1. Multidimensional reports
  2. Multi-level pivot table
2. Click Next
3. Select Columns
  1. Catalog
4. Select rows (in order)
  1. Incident Protecting Unit
5. Save

Multidimensional reports

Visualize data using multiple dimensions.



Multi-level pivot table

Table: Request Transaction [x\_fosf\_iroc\_request\_transaction]

All > Origin Organization is Federal Interagency Emergency Command Center > Organization is Southern California Geographic Area Coordination Center

Add Sort

▼ CONDITIONS

All of these conditions must be met

Origin Organization	is (dynamic)	My Current Dispatch
Organization	is (dynamic)	My Current Dispatch GACC
Request . Incident . Year	is	2025
Vector	is	Place Up

Protecting Unit	Catalog	Aircraft	Crew	Equipment	Overhead	Supply	Count
California Desert District Office		102	15	64	123		304
Federal Interagency Emergency Command Center					3		3
Joshua Tree National Park		32	5	20	3		60
Mojave National Preserve		1					1
San Bernardino National Forest		234	37	118	326	18	733
<b>Count</b>		<b>369</b>	<b>57</b>	<b>202</b>	<b>455</b>	<b>18</b>	<b>1,101</b>

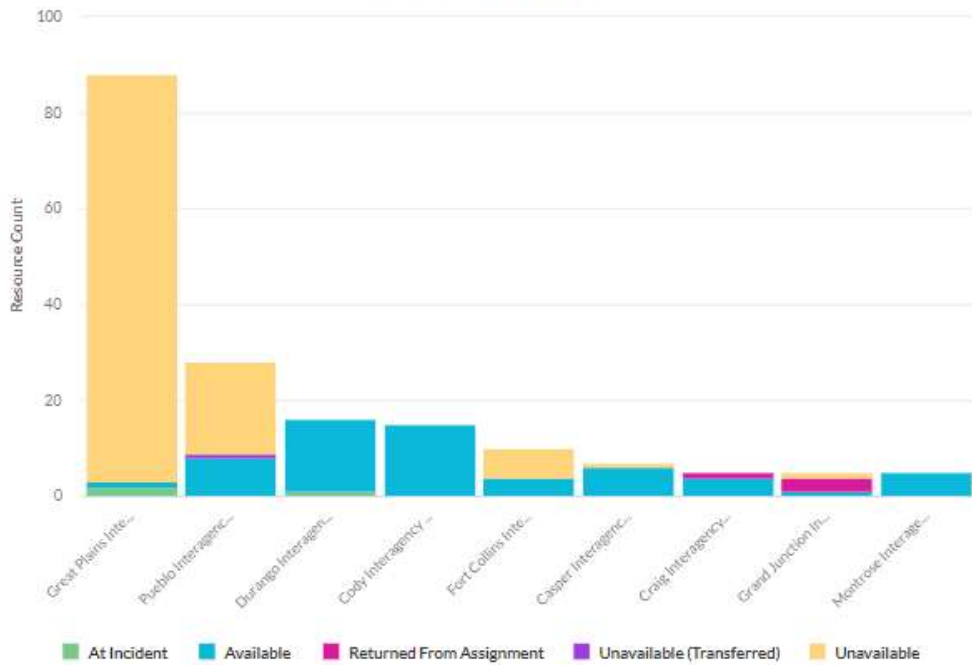
# WORKSHOP 1

Purpose:

RMCC wants a graph of federal engine status by child dispatch center for their dashboard

1. They want to see the following engine types
  1. ENG3/4/5/6/7
2. Agencies:
  1. Owner Org Subdivision is  
USFS/USFWS/BIA/BLM/NPS
3. No vendor resources
4. Chart title of RMCC Fed Engine Status

RMCC Fed Engine Status



Dispatch Organization Totals	Resource Count Totals	Percentage of Count
Great Plains Interagency Dispatch Center Total	88	49.16%
Pueblo Interagency Dispatch Center Total	28	15.64%
Durango Interagency Dispatch Center Total	16	8.94%
Cody Interagency Dispatch Center Total	15	8.38%
Fort Collins Interagency Dispatch Center Total	10	5.59%
Casper Interagency Dispatch Center Total	7	3.91%
Craig Interagency Dispatch Center Total	5	2.79%

# WORKSHOP 1

All of these conditions must be met

AND	Active	is	true	⊖	OR	AND
	Dispatch Organization . GACC	is	Rocky Mountain Area Coordination Center	⊖	OR	AND
	Catalog	is	Equipment	⊖	OR	AND
	Resource Status	is anything		⊖	OR	AND
and						
OR	Resource Qualifications	contains	ENG3 - Engine, Type 3	⊖	OR	AND
	Resource Qualifications	contains	ENG4 - Engine, Type 4	⊖	OR	AND
	Resource Qualifications	contains	ENG5 - Engine, Type 5	⊖	OR	AND
	Resource Qualifications	contains	ENG6 - Engine, Type 6	⊖	OR	AND
	Resource Qualifications	contains	ENG7 - Engine, Type 7	⊖	OR	AND
and						
OR	Owner Organization . Subdivision	is	US Forest Service	⊖	OR	AND
	Owner Organization . Subdivision	is	US Fish and Wildlife Service	⊖	OR	AND
	Owner Organization . Subdivision	is	Bureau of Indian Affairs	⊖	OR	AND
	Owner Organization . Subdivision	is	Bureau of Indian Affairs	⊖	OR	AND
	Owner Organization . Subdivision	is	National Park Service	⊖	OR	AND
and						
	Vendor Owned	is	false	⊖	OR	AND

# WORKSHOP 1

# WORKSHOP 1

Purpose:

RMCC wants a graph of federal engine status by child dispatch center for their dashboard

1. Task 1 open IROC reports
  1. Access IROC Reports
  2. Create a Report
  3. Name: Workshop 1
  4. Table: Resource [x\_fosf\_iroc\_resource]
  5. Insert and Stay

# WORKSHOP 1

## 1. Task 2 Add filters

1. Active is true

AND

2. Dispatch organization.GACC is Rocky Mountain Area Coordination  
Center

AND

3. Catalog is Equipment

AND

4. Resource Status is anything

AND

# WORKSHOP 1

## 1. Task 2 Add filters

5. Resource Qualifications contains ENG3  
OR
6. Resource Qualifications contains ENG4  
OR
7. Resource Qualifications contains ENG5  
OR
8. Resource Qualifications contains ENG6  
OR
9. Resource Qualifications contains ENG7  
AND

# WORKSHOP 1

## 1. Task 2 Add filters

10. Owner Organization.Subdivision is US Forest Service

OR

11. Owner Organization.Subdivision is US Fish and Wildlife Service

OR

12. Owner Organization.Subdivision is Bureau of Indian Affairs

OR

13. Owner Organization.Subdivision is Bureau of Land Management

OR

14. Owner Organization.Subdivision is National Park Service

AND

15. Vendor Owned is false

16. Save

# WORKSHOP 1

## 1. Task 3 Change to Bar report

### 17. Select Type tab

1. Select Bar

### 18. Select Configure tab

1. Group by; Dispatch Organization

### 19. Stack by

1. Resource Status

### 20. Select Stacked bars

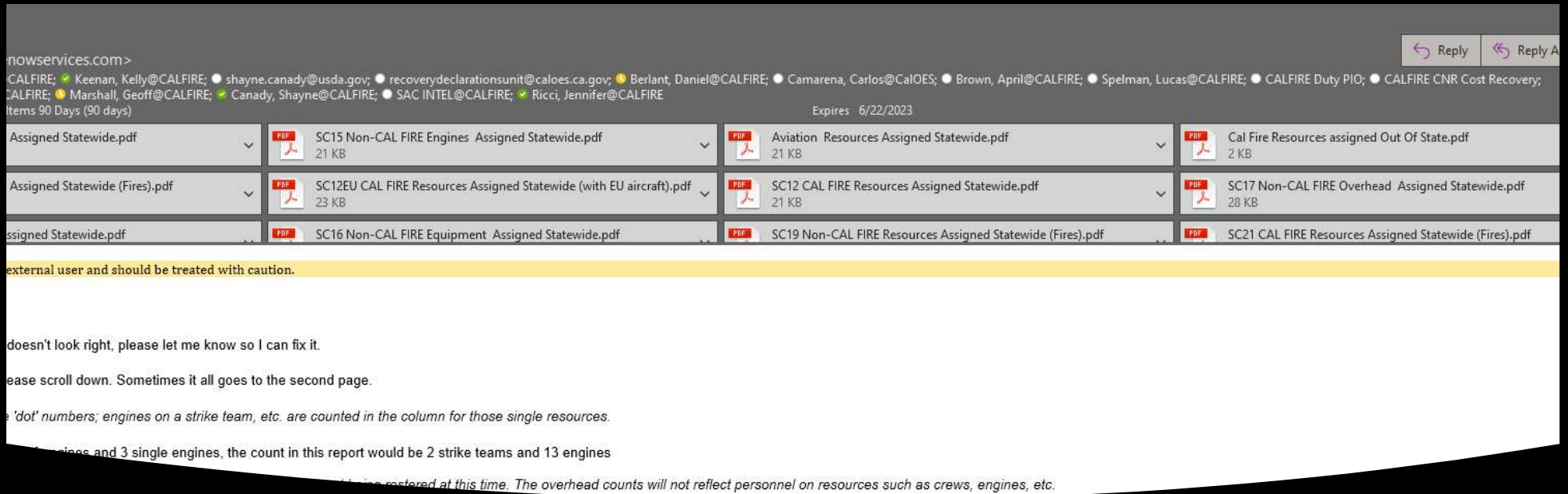
### 21. Select Display data table



Questions?

# SCHEDULING REPORTS

- Scheduling tidbits!
  - Not all report types can be scheduled. Examples:
    - Single score reports – cannot schedule or export
    - Single level pivot tables – can schedule, but there is no output. Can be exported
  - If unsure, test schedules by sending to yourself first 😊



# SCHEDULING REPORTS

- Don't like creating schedules for 10 reports to the same people?
  - You can schedule multiple reports in a single email!

# SCHEDULING REPORTS

Use the search option for Include With to find your original schedule

Include with

R10 Morning Report



New



Name

Search

- Scheduled execution of R10 Resources Available Past 30 Days
- R10 Resource Status And Availability Reports
- R10 Morning Report
- R10 Morning Report - Visiting Resources



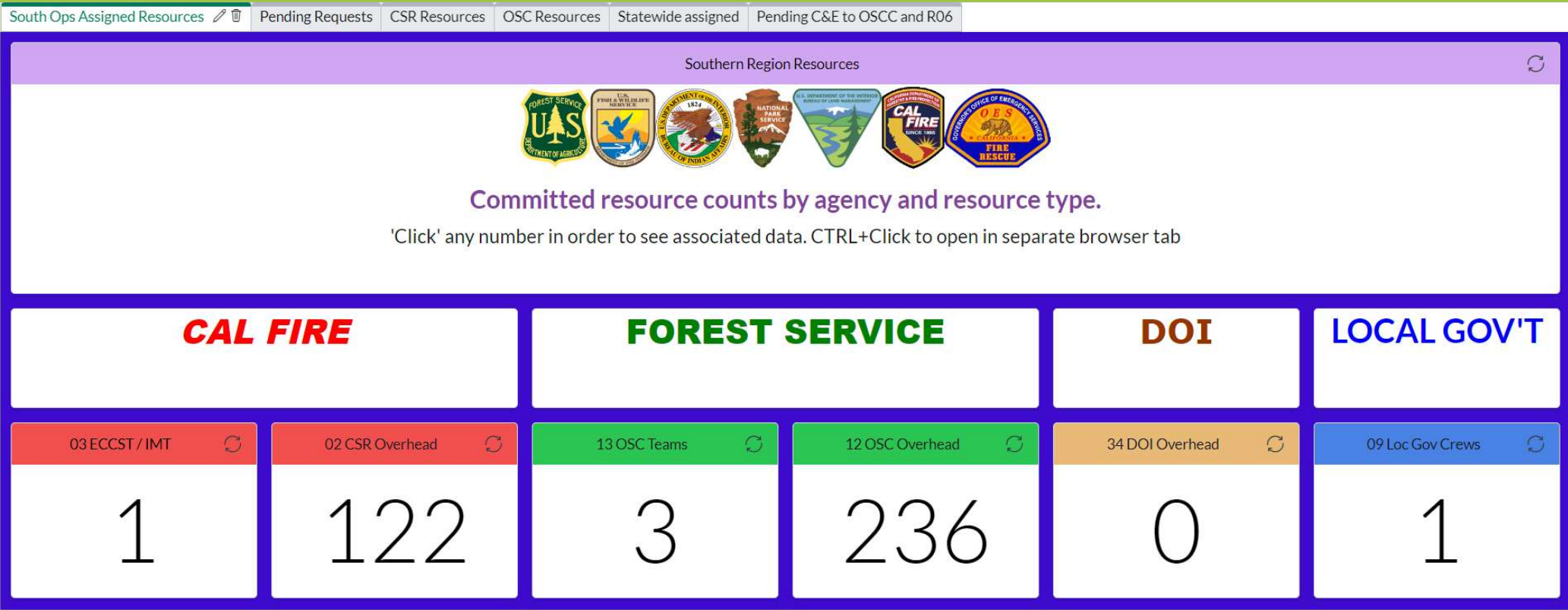
# SHARING REPORTS

- Sharing to:
  - Groups
    - Your center
      - Advise against. You may have users who should receive the information. Vendors.....
  - Users
    - Any IROC user(s)
  - **SAVE**
- Where to find shared reports
  - My Center reports
  - Group
    - Search report name

# **SCHEDULING AND SHARING**

*Any more questions before we move on?*

# DASHBOARDS





# National Interagency Incident Communications Division

Ctrl+Click any number to open background report in a new tab.

## ASSIGNED FREQUENCIES

01. FQAA	02. FQAG	03. FQCM	04. FQDE	05. FQFF	06. FQFF	07. FQTA	08. FQTL	09. FQTO
6	2	0	1	2	0	11	0	0

10. All frequencies assigned by GACC

Catalog Item	Geographic Area Code				Count
	NO	RM	SA	SW	
FQAA - Air to Air AM	3		2	1	6
FQAG - Air to Ground FM			2		2
FQDE - Deck	1				1
FQFF - Air to Ground AM				1	1

# DASHBOARDS

## Overview

- Tabs for:
  - Recent
  - Owned by Me
  - Shared with Me
  - All
- Filter ability
- Search ability
- Create a dashboard

# DASHBOARDS

## Dashboards

Recent Owned by Me **Shared with Me** All

Group filter All Groups Search dashboard

### AICC Fall Fire Review Dashboard

Other

Owned by GaBriella Branson  
Editor



### AICC Functional Area Dashboard

Other

Owned by GaBriella Branson  
Editor



### Alamogordo Dispatch Center

Other

Owned by Tiffany Fralie  
Viewer



### Alaska Coffee Brief Dashboard

Other

Owned by GaBriella Branson  
Editor



### All Orders Touched by RMACC Today

Other

Owned by Bruce Drapeau  
Viewer



### AOICC

Other

Owned by Hannah Broadway  
Viewer



### Available OH Resources RMA

Other

Owned by Bruce Drapeau  
Viewer



### Bozeman Dispatch

Other

Owned by Whitney Casebolt  
Editor



### CAMP CREW DASHBOARD

Other

Owned by Robert Turner  
Viewer



### COD - Quick View

Other

Owned by Megan Kephart  
Viewer



### Crew and Module Requests Dashboard Jr

Other

Owned by Robert Turner  
Viewer



### DDDashhboard

Other

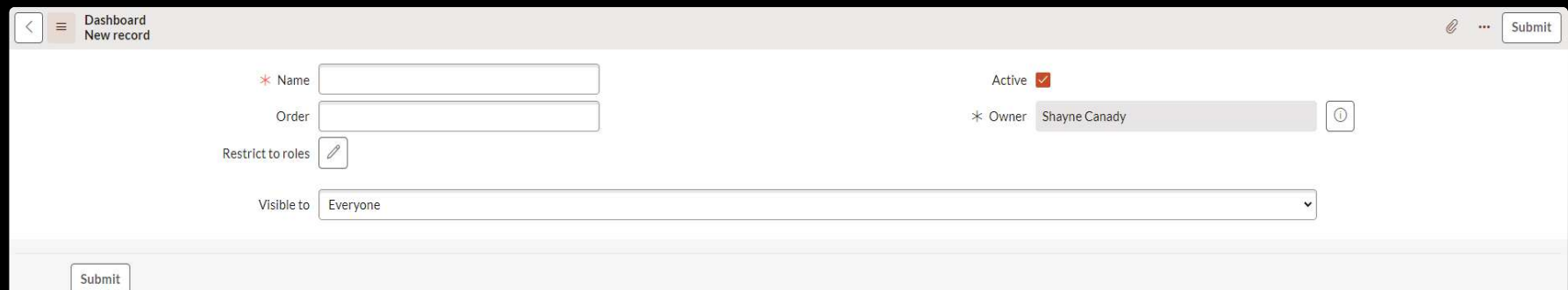
Owned by Marnie Henson  
Viewer



# DASHBOARDS

## Creating a new dashboard

- Create a dashboard
  - Name your dashboard
  - Set Visible to
    - Everyone
    - Groups and Users
- Submit



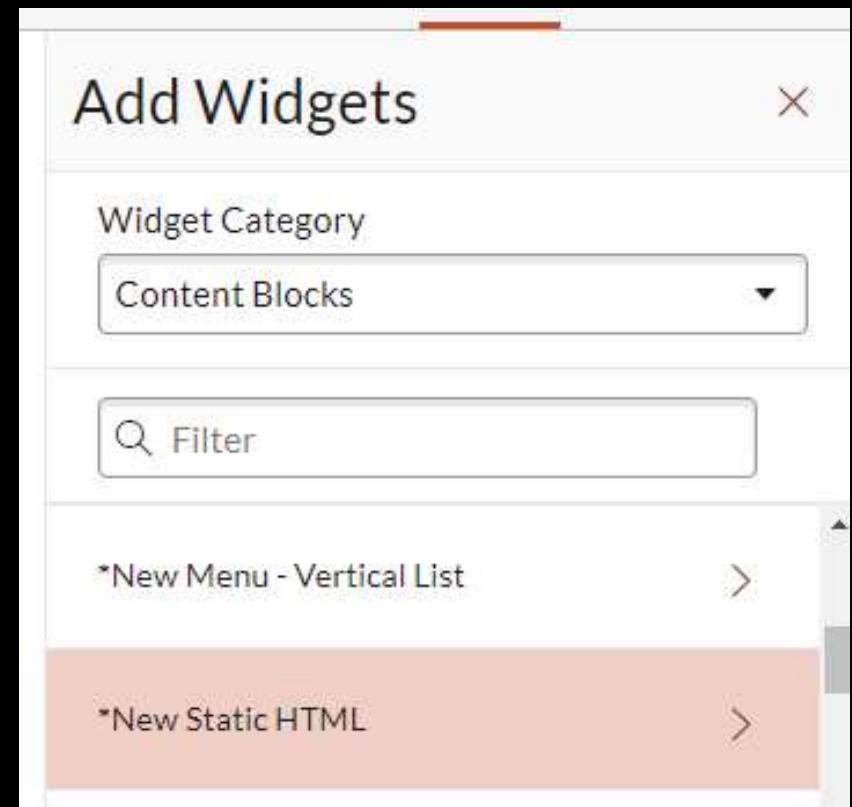
The screenshot shows a web form for creating a new dashboard. The form is titled "Dashboard New record" and includes the following fields and controls:

- Name:** A required text input field with a red asterisk.
- Order:** A text input field.
- Restrict to roles:** A button with a pencil icon.
- Visible to:** A dropdown menu currently set to "Everyone".
- Active:** A checkbox that is checked.
- Owner:** A dropdown menu showing "Shayne Canady" with an information icon.
- Submit:** A button at the bottom left of the form.

# DASHBOARDS

I created a dashboard. What now??

- Add a Widget
  - Widget Category
    - Content Blocks
      - \*New Static HTML
      - Add



# DASHBOARDS

\*New Static HTML

- [Click here to.....](#)

\*New Static HTML


A Static HTML block displays the page's welcome text or a set of static HTML blocks in different contexts.

[Click here](#) to configure the block.

# DASHBOARDS


Edit to your needs and submit




Static Content  
New record

Manage Attachments (1):  Smily plane.jpg [rename][download]


\* Name

Category

Static content 

**B** *I* U ↶ ↷ Verdana 8pt   

This is where I would type a message describing my dashboard.

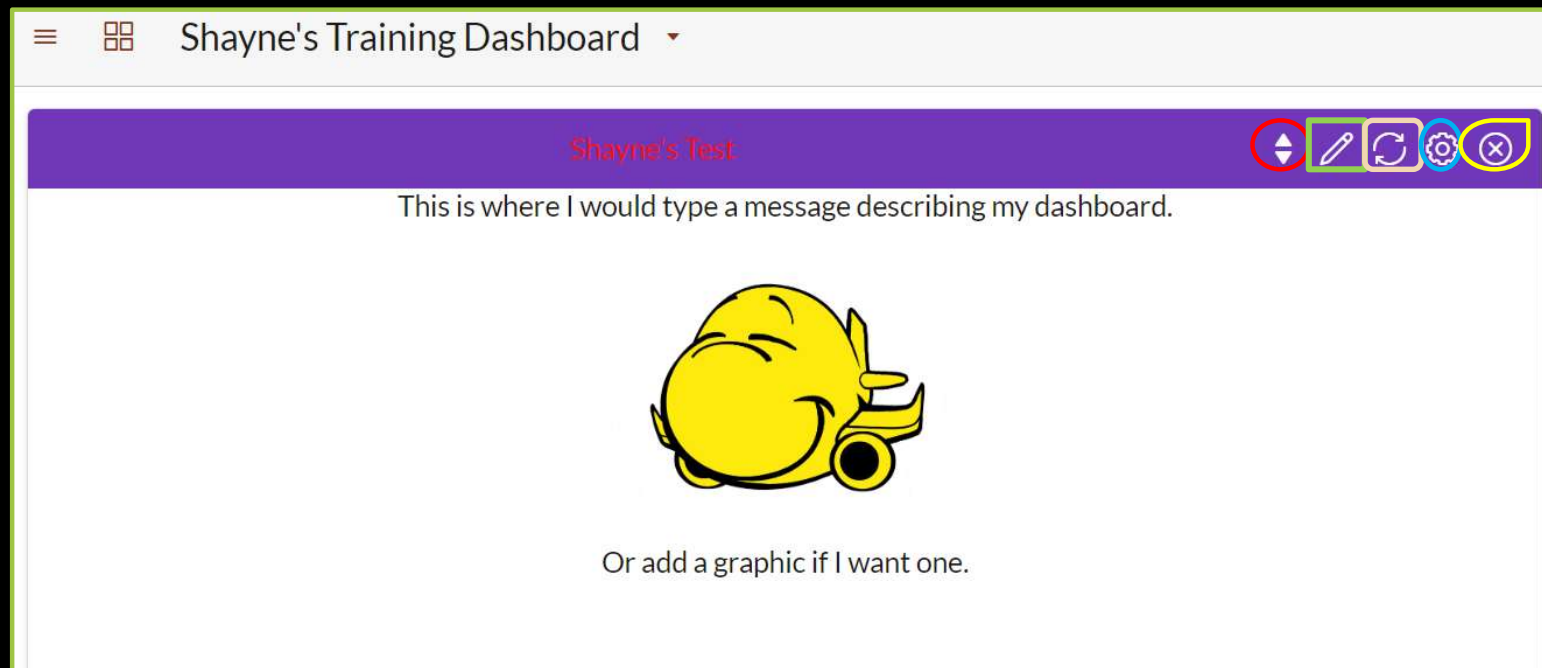


Or add a graphic if I want one.

# DASHBOARDS

## Edit your Widget

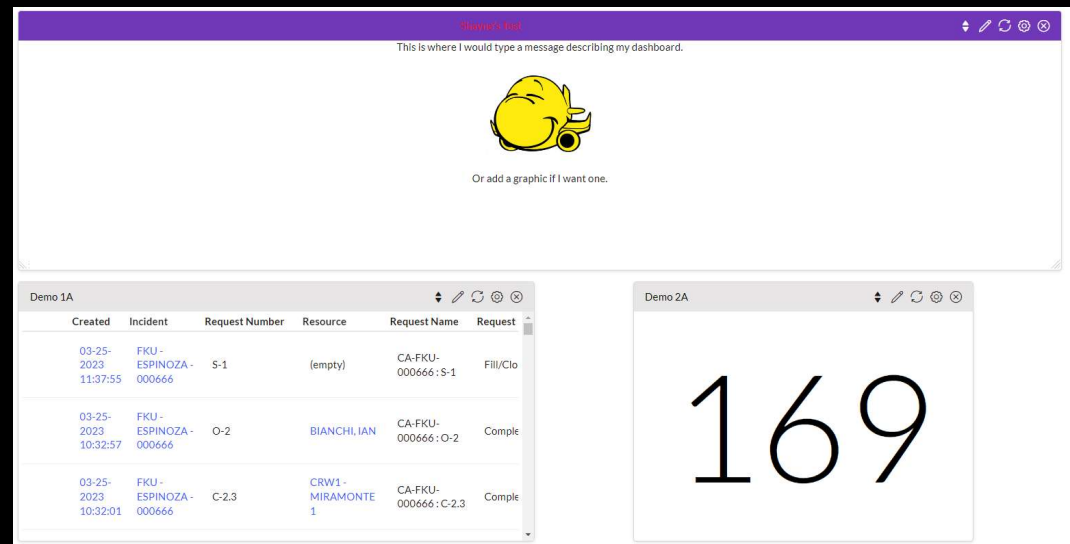
- Increase or decrease height
- Edit content
  - Text
  - Name
  - Graphic
- Refresh
- Edit widget
  - Show items
  - Title Alignment
  - Title Color
  - Header Color
- Delete widget



# DASHBOARDS

## Adding reports

- Widget category
  - Reports
    - Select report from list
    - Add
- It will default land above your title widget. Just drag and drop where you want it.
- Same edit options
- Resize from corners



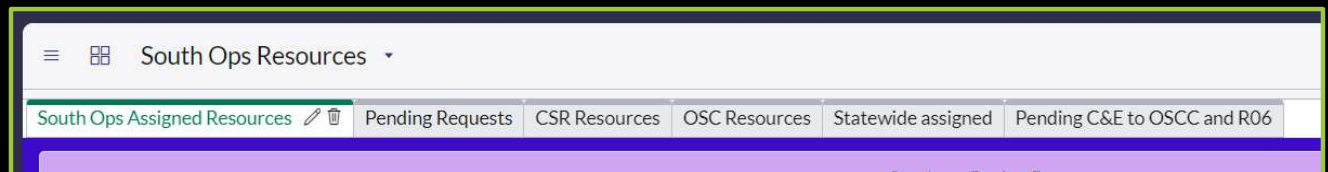
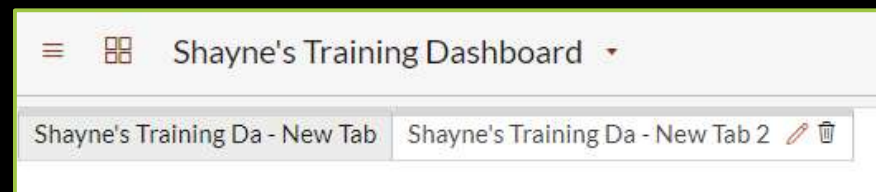
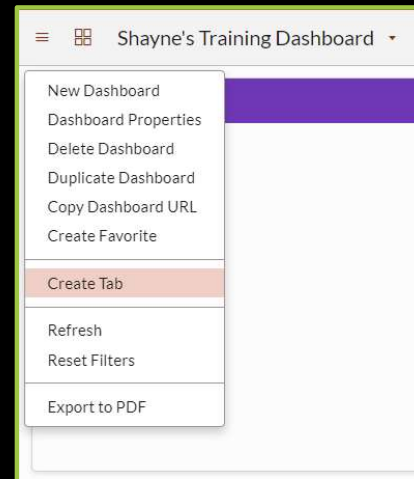
The screenshot displays a dashboard with three widgets. The top widget is a title widget with a purple header and a yellow cartoon character. Below it is a table widget labeled 'Demo 1A' containing three rows of data. To the right is a number widget labeled 'Demo 2A' displaying the number '169'. Each widget has a small toolbar in its top right corner for editing and resizing.

Created	Incident	Request Number	Resource	Request Name	Request
03-25-2023 11:37:55	FKU - ESPINOZA - 000666	S-1	(empty)	CA-FKU-000666:S-1	Fill/Clo
03-25-2023 10:32:57	FKU - ESPINOZA - 000666	O-2	BIANCHLIAN	CA-FKU-000666:O-2	Comple
03-25-2023 10:32:01	FKU - ESPINOZA - 000666	C-2.3	CRW1 - MIRAMONTE 1	CA-FKU-000666:C-2.3	Comple

# DASHBOARDS

## Adding tabs

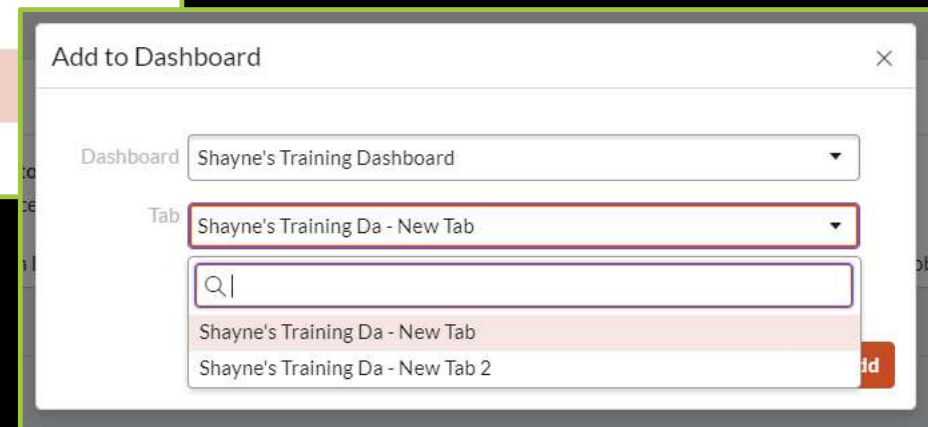
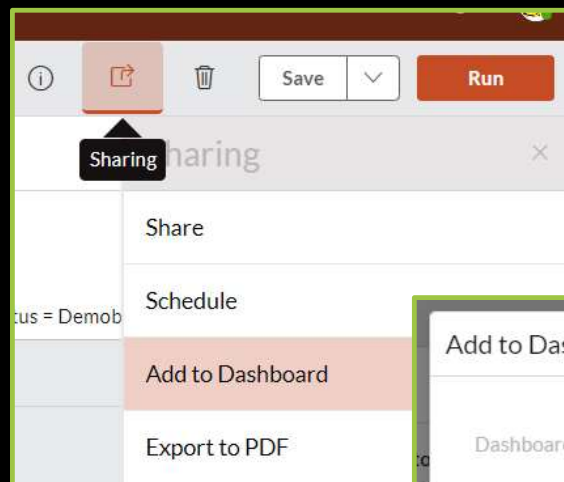
- From list actions



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## Adding reports

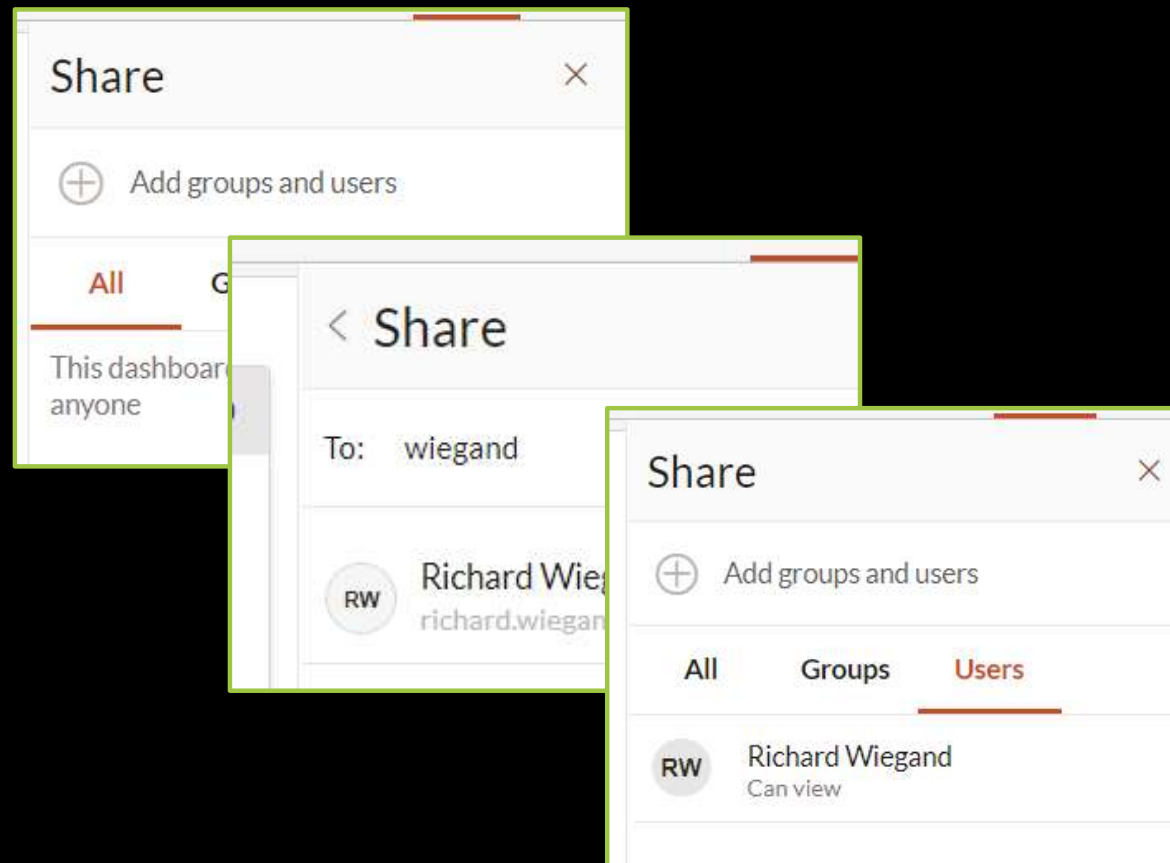
- From the report
  - Share
    - Add to dashboard
    - Select tab
    - Add



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## Editing and Sharing dashboard

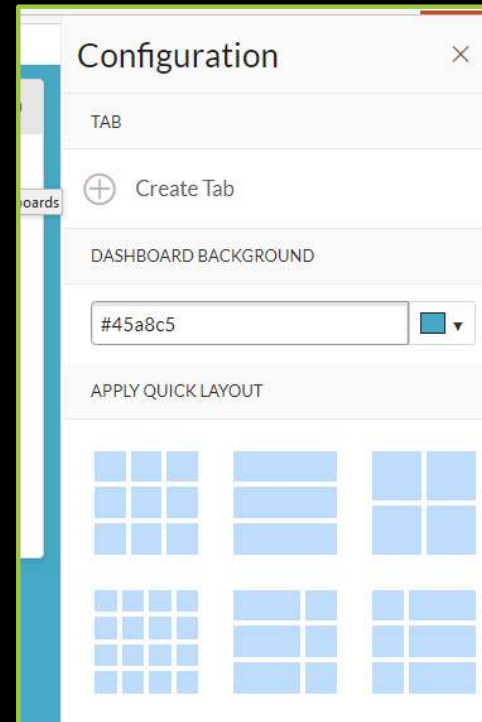
- Click 
  - This will open widgets and allow editing
- Click 
- Add groups and users
  - Groups (CA-ANCC)
  - Users (Robert Gomez)



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## Configuration

- Create tabs
- Set background color
- Select a quick layout



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One last item!

Sharing your dashboard does not mean folks can see the data. You must also share each associated report with the same individuals or group(s).

Any more questions?