

Dashboard Design

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Story

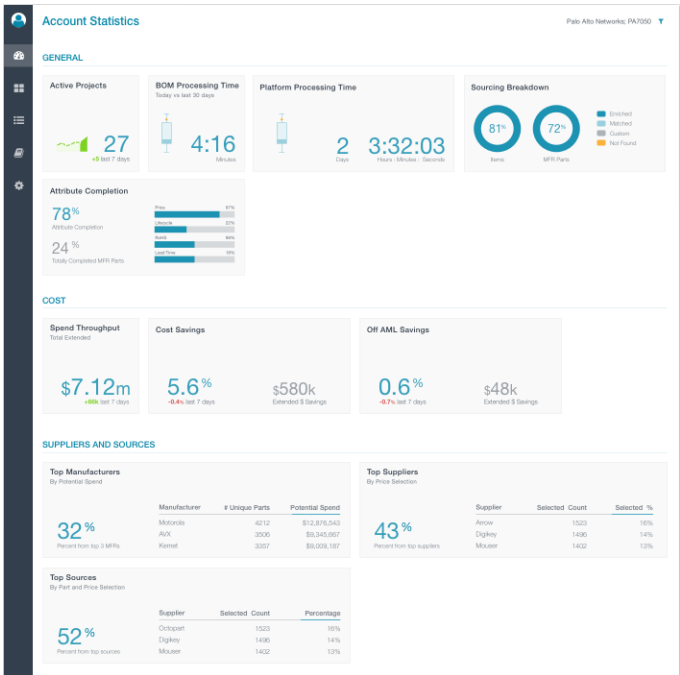
Narrative

As a BOM stats user, I want to see a dashboard of key metrics from which I can drill-in to see more detailed statistics, so that I can get a quick overview and also quickly get to more details.

Overview

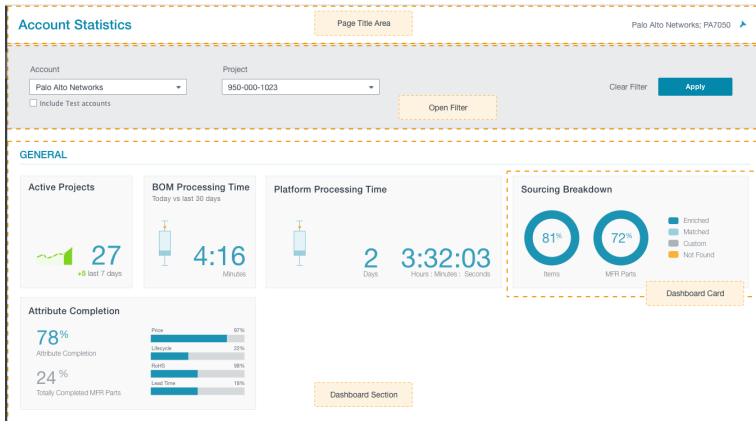
The Dashboard will be made up of a number of KPI "cards". Users can drill to more detail by clicking on the card.

The Dashboard provides users with metrics and high-level analysis. It is not intended to provide detailed analysis, rather indicators telling users where they should drill for details.



Page Components

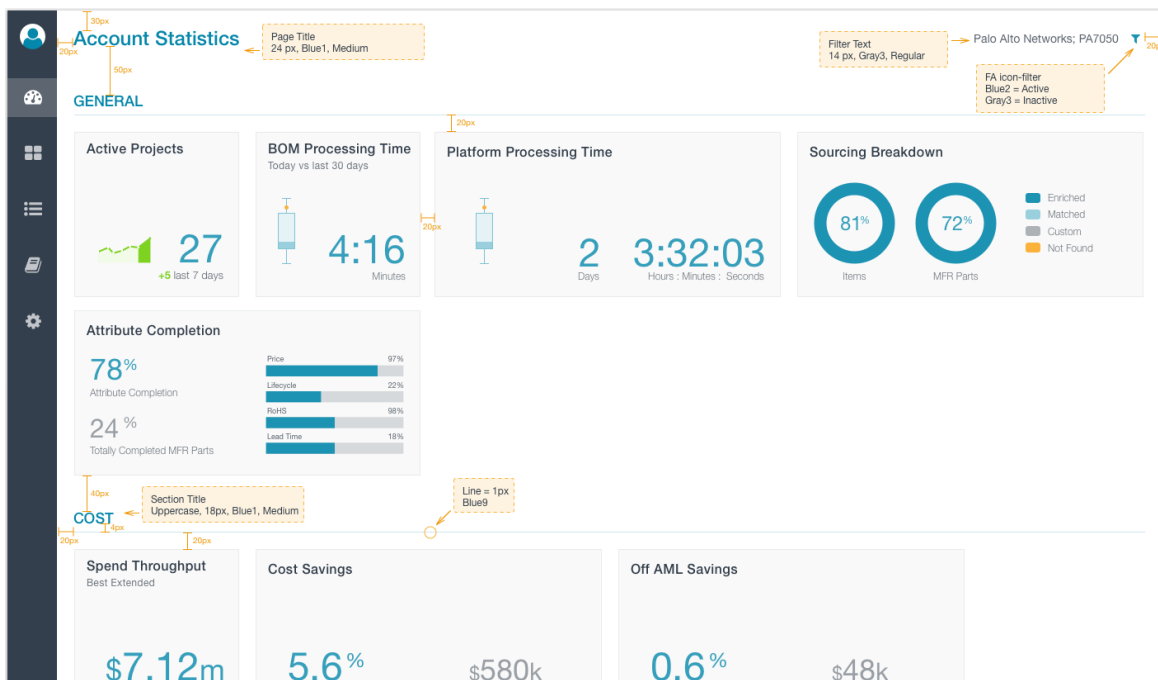
- Title Area
- Filter
- Analysis Groups
- Cards



Page Layout

Spacing

Please review the below image for spacing requirements.



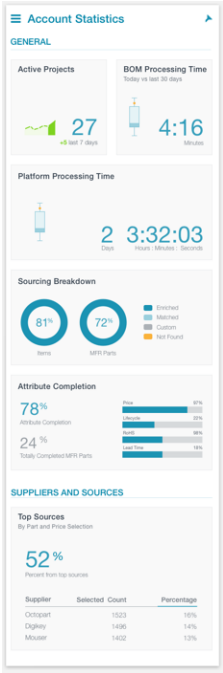
Resizing

- Cards are a fixed size and will not resize.
- As the width of the browser window increases or decreases the cards will move within an analysis group fitting to the width.
- The Dashboard will have a minimum width of 480 pixels. When the browser window is less than 480 pixels a horizontal scrollbar will appear and the page will have to be scrolled.
- Cards will move within their group only.

Mobile

- The Account Statistics app will be available on mobile devices (web-based, not native)
- Using media queries we will detect that the device is mobile and display the application accordingly.
- We would like to display two small cards or a single medium card horizontally. Would like the mobile browser to zoom to the proper size to fit

accordingly.



Fonts and Colors

Fonts

	Size	Color	Weight	HTML Entities	Notes
Page Title	24px	Blue1	Medium		
Section Title	18px	Blue1	Medium		Section titles are all Upper Case
Card Title	16px	Gray1	Medium		
Card Subtitle	12px	Gray4	Regular		
Text	12px	Gray4	Light		
Text - Bad	12px	Red	Bold		Used to highlight a negative change or metric
Text - Good	12px	Green2	Bold		Used to highligh a positive change or metric
Primary Metric	48px	Blue3	Regular	• \$ ($) = 36px	• Units (e.g. k or min) = 36px • % = 18px
Primary Metric - Small	36px	Blue3	Regular	• \$ ($) = 24px	• Units (e.g. k or min) = 24px • % = 18px
Secondary Metric	36px	Gray6	Regular	• \$ ($) = 24px	• Units (e.g. k or min) = 24px • % = 18px
Secondary Metric - Small	32px	Gray6	Regular	• \$ ($) = 24px	• Units (e.g. k or min) = 24px • % = 18px

Colors

Grays

Name	Hex	Fong Use	Other Use
Gray1	#333F4C	Main font color	Global Navigation Bar Background
Gray2	#47525D		

Gray3	#5C6570		
Gray4	#707881		
Gray5	#858C94		
Gray6	#999FA5		
Gray7	#ADB2B7		
Gray8	#C1C5C9		
Gray9	#D6D9DB		
Gray10	#EAEBED		
ModalBkgGray	#333F4C	Don't Use	Use as background for modal dialogs

Blues

Name	Hex	Font Use	Other Use
Blue1	#0387AB		
Blue2	#1C93B3		
Blue3	#359FBC		
Blue4	#4EABC4		
Blue5	#68B7CD		
Blue6	#81C3D5		
Blue7	#9ACFDD		
Blue8	#CDE7EE		
Blue9	#E5F3F6		
LinkBlue	#5588D6		

Primary Colors

Green is used to indicate a positive situation.

Name	Hex	Font Use	Other Use
GreenDark	#5FB106		
Green	#7ED321		
GreenSoft	#F2FAE8		light background for positive

Orange is used as a caution or warning color.

OrangeDark	#F19701	Font Use	Other Use
Orange	#FAB23A		
OrangeSoft	#FEF3E0		light background for warning

Red is used to indicate a negative situation or problem.

RedDark	#B52B2A		
Red	#D95251		
RedSoft	#FBEDED		light background for negative

Used as an alternative color for charts

PurpleDark	#	6F7EB8	
Purple	#	9AA4CD	
PurpleSoft	#	EBEDF5	

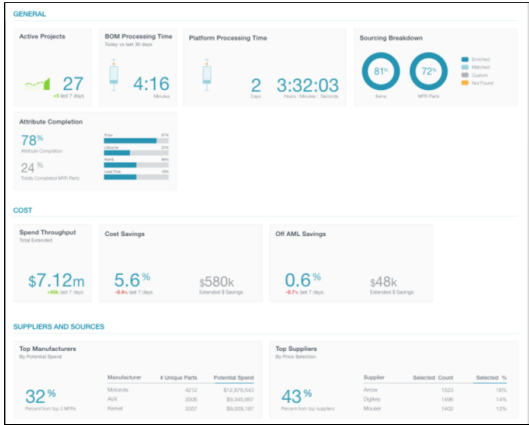
Used as an alternative color for charts

YellowDark	#ECE602		
Yellow	#F9F427		
YellowSoft	#FEF9EE		

Analysis Groups

The Dashboard will be organized by "Analysis Groups". Analysis Groups display a set of related metrics together under an Analysis Group / Section Title. Over time we will have the below groups:

- [General \(metrics\)](#)
- [Cost](#)
- [Compliance](#)
- [Risk](#)
- [Lead Time](#)
- [Supplier](#)



Note that these Analysis Groups will have underlying Analysis Sheets related to the Dashboard Cards. These groups are aligned with future SaaS analysis and the "Printable Analysis" feature.

Cards

What's in a Dashboard Card

Each must / can contain the following elements:

Element	Required?	Description
Title	Yes	Short title that describes the card / metric
Key Metric	Yes	The key metric usually a count, percentage, or other numeric value.
Metric Label	No	A metric can have a label that helps describe the metric. This will appear below the metric.
Supporting Metric	No	A second, or supporting metric may be displayed in a card.
Supporting Chart	No	A sparkline or small chart may be used to support the key metric to help the user visualize the information.
Supporting Data	No	A very small table of data (3 columns, 3-5 table rows) that supports the key metric.

- A Dashboard widget should have a minimum height of 150 pixels.
- A Dashboard widget's Title should appear at the top left of the widget and should be visually separated from the content of the widget.
- The bottom labels all bottom-align, the larger (font-size) values all bottom-align, and the widget titles all align as well
- The weighting of the widget Title will be different than metric labels.

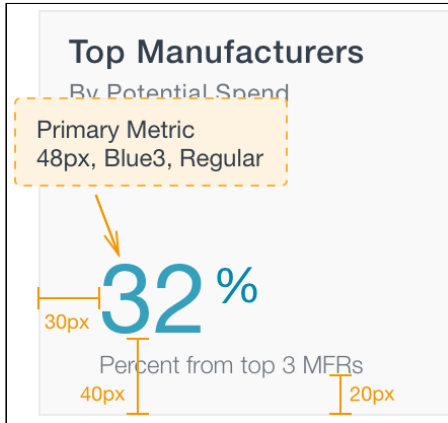
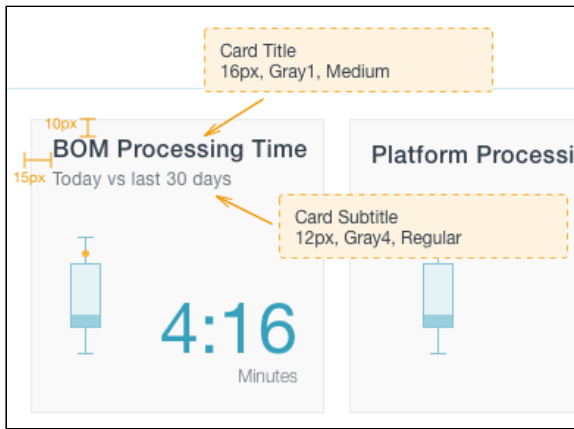
Card Sizes

The dashboard cards come in 4 sizes.

Size	W x H	Examples
Small	200px x 200px	<div><div>Active Projects</div><div><div><div></div></div><div>27</div><div>+5 last 7 days</div></div></div>

Layout of a Card

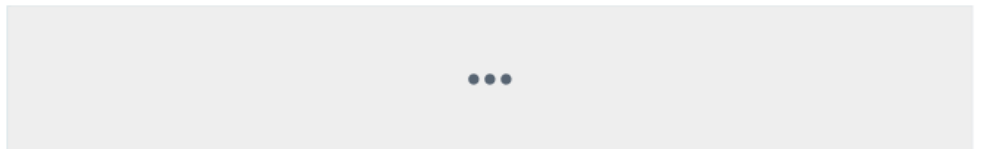
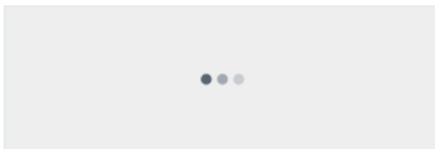
Cards will have 20px space between.



Activity Indicator for widgets

- When the page loads or the user selects a new filter, each widget will show an activity indicator.
- A grey background color that is the exact same size as the widget, but slightly darker (#EEEEEE) than the widget grey background (#F9F9F9) overlays or covers the widget content. It should **fade in when it loads up** and **fade out once it is complete** and ready to show the data.
- In the center will be the 3 dot loading visual. It is similar to the table loading visual on the details page.
- When the activity reaches 100% this grey background should quickly fade out and reveal the widget data beneath.

It is okay to use a plugin if it will assist. i.e. <http://github.hubspot.com/pace/docs/welcome/>

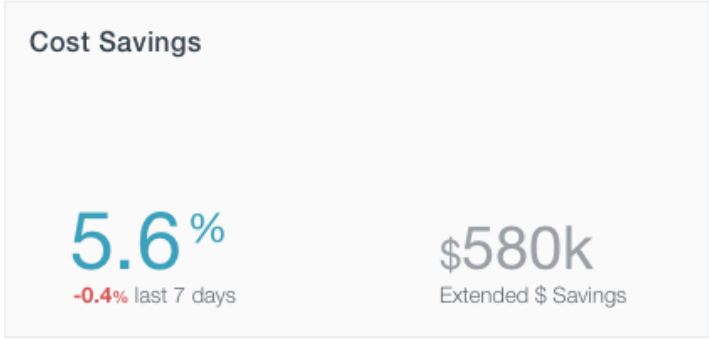


Analysis Groups

General (KPIs)

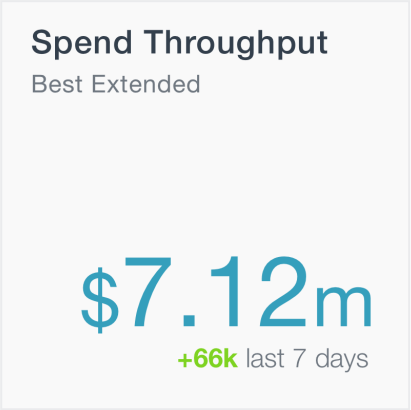
Cost Savings Card

Click the card to drill into the Cost Analysis page.



Element	Description
Title	Cost Savings
Key Metric	Current Average column for Percentage Potential Savings row in Cost Savings table on Project Analysis page (5.6%)
Sub-Metric	Change last 7 days (negative/down is red, positive/up is green)
Supporting Metric	Dollar amount listed in the Total column for the Potential Extended Savings row in Cost Savings table on Project Analysis page
Supporting Metric Label	Extended \$ Savings

Spend Throughput Card

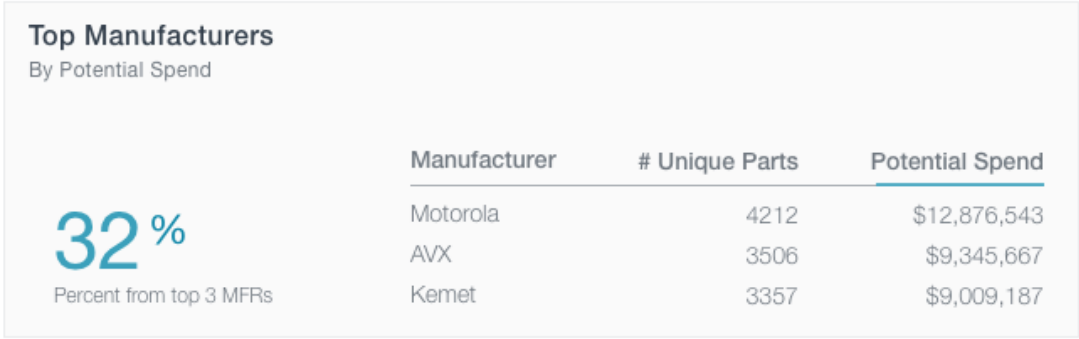


Click the card to drill into the Cost Analysis page.

Size = Small

Element	Description
Title	Spend Throughput
Sub-Title	Total Extended
Key Metric	Dollars for Total Paradata Extended (from Cost Savings table)
Sub-Metric	Change last 7 days (positive/up is green, negative/down is red)

Top Manufacturers Card



Click the card to drill into the Part Analysis page.
Size = Large

Element	Description
Title	Top Manufacturers
Sub-Title	By Potential Spend
Key Metric	Percentage of mfr parts that come from the top 3 mfrs with the most unique parts
Metric Label	Percent from top 3 Mfrs
Supporting Metric	Table of the top 3 mfrs with the highest total potential spend - ordered by Potential Spend descending. Column Headings: Manufacturer, # Unique Parts, Potential Spend
Supporting Metric Label	
Additional Action	Include a "View All" link below the table (right-aligned) to be able to View All for the Manufacturers table. Will link to the Manufacturer Analysis page to see the full Manufacturers table.

Not RoHS Compliant Card

Click the card to drill into the Project Analysis page.
Size = Small

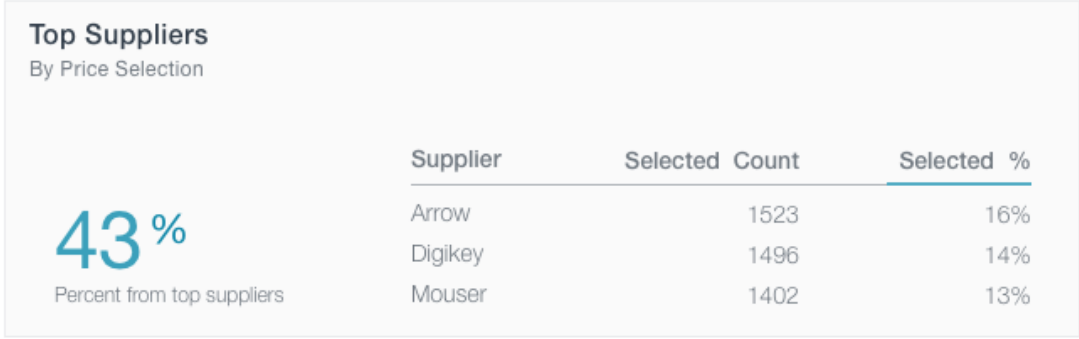
Element	Description
Title	Not RoHS Compliant
Key Metric	Percentage of mfr parts in BOMs that meet filter criteria where the parts are not RoHS compliant - current average of parts that are not ROHS compliant (from risks) divided by current average manufacturer parts per BOM.
Metric Label	(none)

Near EOL Card

Click the card to drill into the Project Analysis page.
Size = Small

Element	Description
Title	Near End of Life
Key Metric	Percentage of mfr parts in BOMs that meet filter criteria where the parts are near EOL - current average of parts that are near end of life (from risks) divided by current average manufacturer parts per BOM.
Metric Label	(none)

Top Suppliers Card



Click the card to drill into the Part Analysis page.

Size = Large

Element	Description
Title	Top Suppliers
Sub-Title	By Price Selection
Key Metric	Percentage of selected mfr parts that come from the top 3 supplier with the most selected parts. (Based on the vendor/supplier for the selected part's selected price)
Metric Label	Percent from top suppliers
Supporting Metric	Table of the top 3 suppliers with the highest percentage of selected parts - ordered by Selected % descending. Column Headings: Supplier, Selected Count, Selected %
Supporting Metric Label	
Additional Action	Include a "View All" link below the table (right-aligned) to be able to View All for the Supplier table. Will link to the Supplier Analysis page to see the full Suppliers table.

Top Sources Card



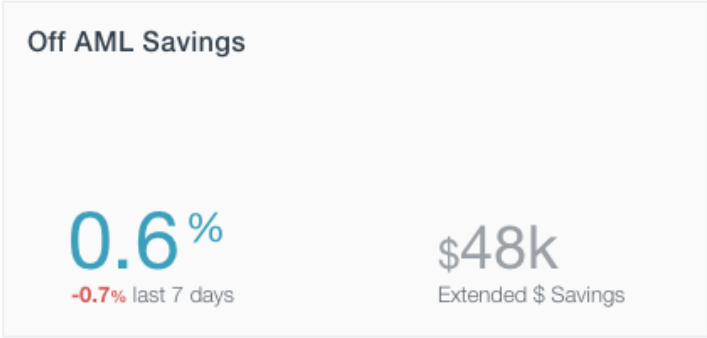
Click the card to drill into the Part Analysis page.

Size = Large

Element	Description
Title	Top Sources
Sub-Title	By Part and Price Selection
Key Metric	Percentage of selected sources that come from the top 3 sources with the highest percentage (Based on which harvester source we found the price data for the selected part's selected price)
Metric Label	Percent from top sources
Supporting Metric	Table of the top 3 sources with the highest percentage of selected parts - ordered by Percentage descending.

	Column Headings: Source, Selected Count, Selected % (Note: mockup should say Source)
Supporting Metric Label	
Additional Action	TBD: Include a "View All" link below the table (right-aligned) to be able to View All for the Sources table. Will link to the Source Analysis page to see the full Sources table.

Off AML Savings Card



Click on the card to drill into the ??? page.
Size = Medium

Element	Description
Title	Off AML Savings
Key Metric	Percentage of total cost where there are part equivalents less than the best price (between customer private and public for on AML). Sum of the difference between On AML price and Off AML price (the savings) / Total Cost * 100
Metric Label	Change in last 7 days (negative is red and positive is green)
Supporting Metric	Dollar savings (Sum of the difference between On AML price and Off AML price * line quantity * volume quantity)
Supporting Metric Label	Extended \$ Savings

Technical Design

Implementation Notes

Resources


Impact Checklist

(Check to indicate that **there is an impact**. Based on the product being developed, add to this checklist any additional impact)

- Local Caching
- Distributed Caching
- Version Conflict
- Run Time Support
- Encryption
- Backward Compatibility
- Assess impact to authentication
- Upgrade & impact to existing account
- Duplicates?

Impact to retention policies
Assess impact to performance testing framework
Assess need for user interface
Assess impact to data warehouse
Do min / max validations apply
Assess impact to reports
Are documentation changes required
Does this impact audit logs
Does it impact disaster recovery

Open Tasks or Known Issues

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No labels