Extending Tableau through Embedded Analytics

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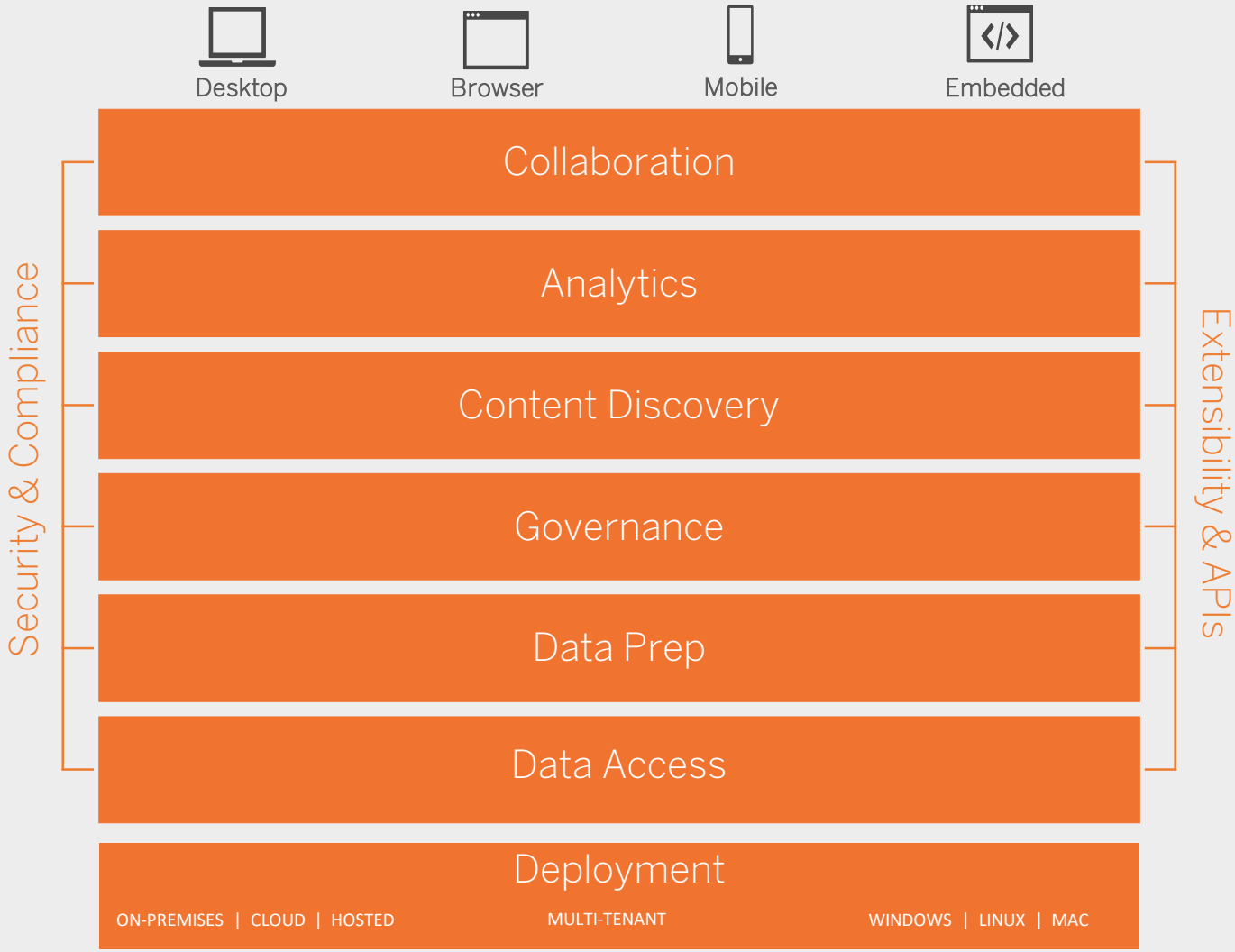
Embedded Solutions Consultant

DATA DAY OUT

tableau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Embedded Analytics

‘Embedded Analytics Market worth 51.78 Billion USD by 2022’

MarketsandMarkets

What is Embedded Analytics?

Integrate Tableau analytics and capabilities into your application

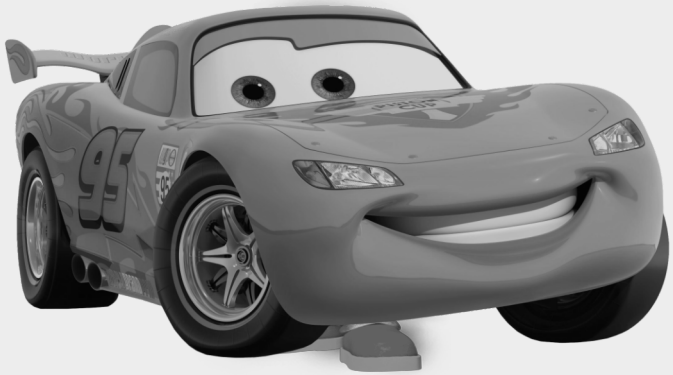
Why should I embed Tableau?

Provide compelling visual analytics

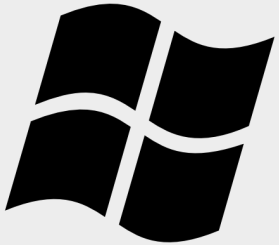
"(Tableau is the) Gold standard for interactive visual exploration"

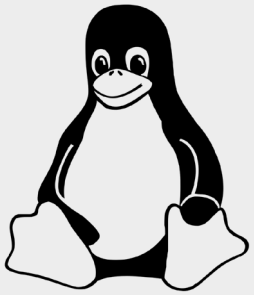
Gartner®

Get your solution to market quickly

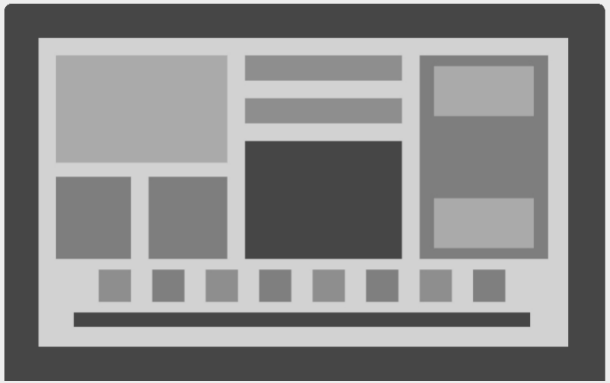


Deploy and Scale with ease





Make your product stickier



Where can I embed Tableau?

Salesforce

Sharepoint

Custom Mobile Applications

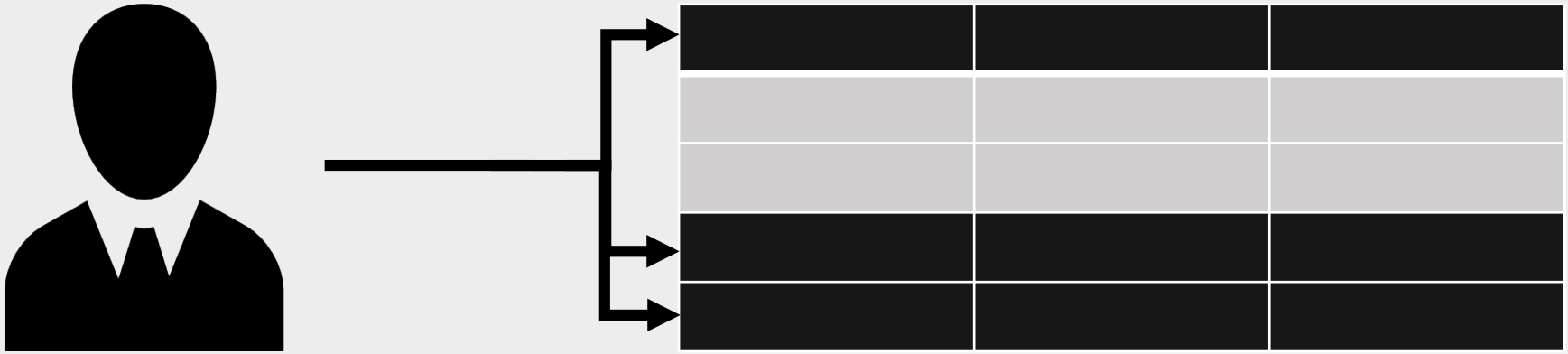
Custom Web Portals

Is embedding Tableau secure?

Seamless experience via Single Sign On

Content permissions for users/ groups

Data restrictions via Row Level Security



How do I embed Tableau?

Embed using the Javascript API

White-label Tableau Server/ Online visualizations on your web page

Respond to events in visualizations

Interact with the visualization through HTML controls on your web page

Export specific data-points to integrate with other systems

Additional API Support

REST API	AUTOMATE TABLEAU SERVER MANAGEMENT WITH REST ENDPOINTS
Document API	MODIFY WORKBOOK & DATA SOURCE FILES PROGRAMMATICALLY
Data Extract API	PROGRAMMATICALLY BUILD TABLEAU DATA EXTRACTS IN TDE OR HYPER FORMAT
Web Data Connector	CONNECT TO ANY WEB DATA SOURCE
Extensions API	INTEGRATE CUSTOM APPLICATIONS DIRECTLY WITHIN TABLEAU

Demo

Dashboard Extensions

Custom applications on the dashboard that can interact with the rest of the dashboard via the Extensions API

HTML + JS =

Close the loop

- Actions
- Write-back

Light it Up

- Custom UI
- Rich Integration

9 March, 2018 | Ian Baldwin

How to build a Sankey diagram in Tableau without an beforehand

First of all I want to say this post is huge
years ago on building Sankeys in Tablea
and countless others I probably don't e

This post sets out how to build a Sanke
The viz below is built off the vanilla Su
warn you there's a labyrinth of table c

Select Dimension 1
Region

Superst

West
£725K
(31.6%)

East
£679K
(29.5%)

Central
£501K

Show Me More

Select Data Sheet

Select the worksheet you want to retrieve data from. This worksheet will be the input for the visualisation you pick in the next step.

Sales Per Quarter | Data Sheet

Select a visualization

Sankey Diagram
Sankey Diagram uses:
2 Dimensions | 1 Measures

RadarChart
RadarChart uses:
2 Dimensions | 1 Measures

Network Diagram
For Network Diagram try:
1 more Dimensions

Google Heatmaps
Google Heatmaps uses:
2 Dimensions | 1 Parameters

Thanks to Zen Master Rody Zakovich who helped me in creating a Sankey that
without reshaping the data. We will be using a sample superstore data for this example.

data +

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ade of Polygons in Tableau (Guest Post)

excellent articles by Jeffrey Shaffer from Data + Science for

am and minimize the data preparation. I just wanted to be
1, Step 2 and Step 3 along with 1 indicator (size) and use
are the data.

Step 3	Size
JobBoard	2
JobBoard	1
Company #1	1
Blog	1
JobBoard	1
Partenariat #	1
News #2	1
Contact	1
	1
	1
ws #2	1
ntact	2
	1
	1
	1
	1
	2
	3
	1

But faced an issue regarding the performance of the viz. Showing several thousands
me viz takes some resources, so I wanted to simplify my viz. Because I could easily get all the lines
ould define the inner line and the lower line of each finger. And if I could do that, I could link

Extension Developer

Server/Site Admins

Dashboard Author

Demo

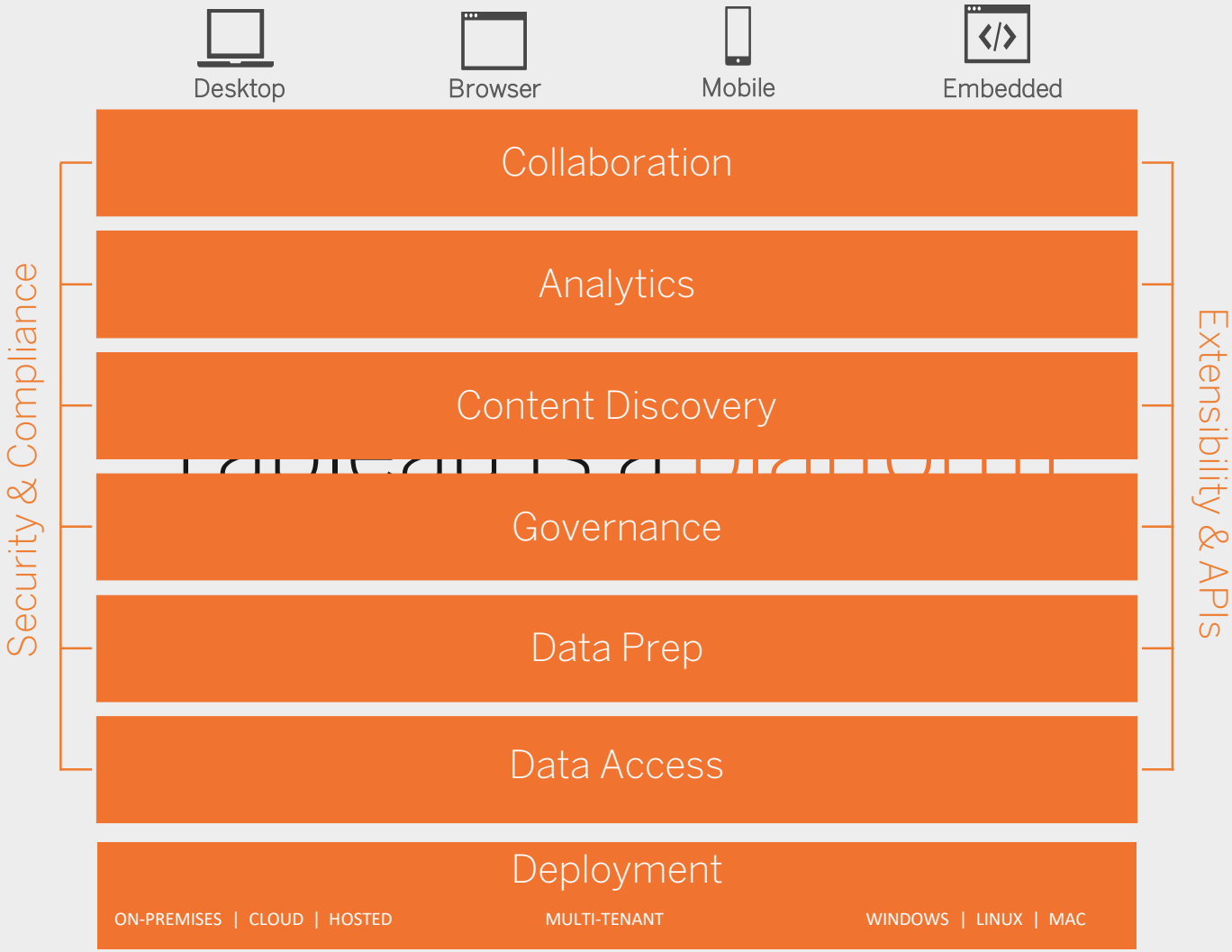
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Tableau is a platform