



Advanced Dynamic Dashboard

Version 1.0

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Challenge

- Customized reporting solutions for Dynamic / Personalized experience
- Custom Branding
- Filter / generate chart data more than 1 Level based on selection/action
- Overcome Standard Limitations
- For Alternatives, importing Javascript Charts
 - Generating / Troubleshooting JS charts is complex



LTI's Solution

- Utilize Lightning features to generate custom / reusable Report Components
- Utilize SLDS and Lightning CSS to provide Custom Branding
- Utilize reusable Lightning Components to overcome Standard Limitations
- Reduce / Avoid scripting to generate more Stable Charts
- Troubleshooting made easy by capturing Error messages while generating Charts



Benefits

- Generate Customizable Dashboards
- Cater to different Customer Branding needs
- View Chart data more relevant to selection / choice
- Generate Charts beyond Standard Limitations
- Generate more Stable Charts
- Any error in Inputs will be Notified

Chart Components



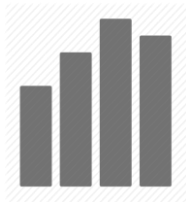
Line Chart



Pie Chart



Scatter Plot



Bar Chart



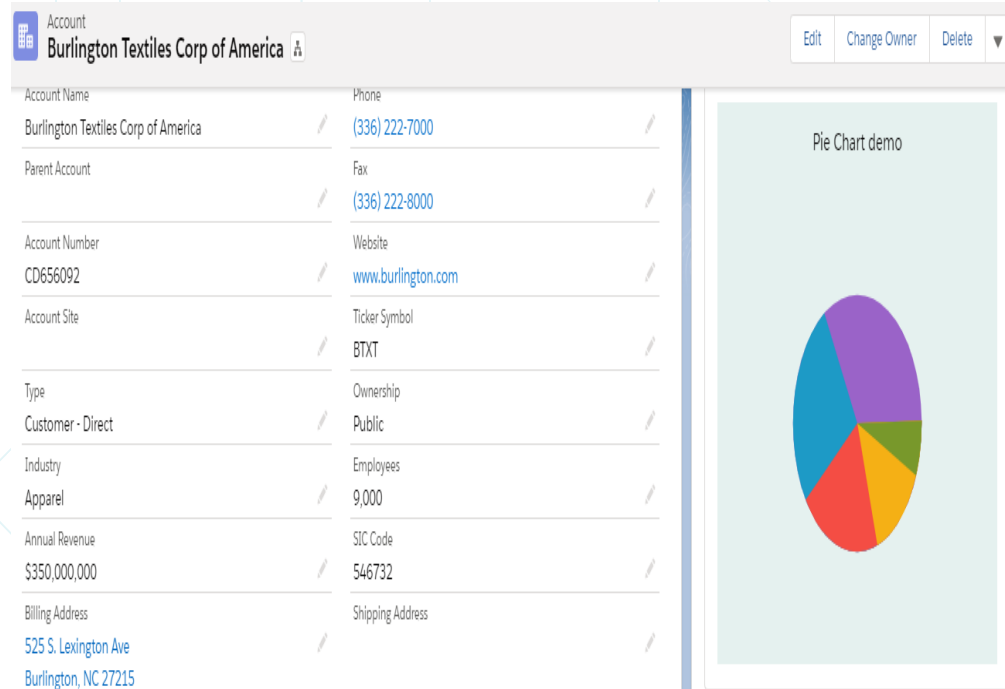
Funnel Chart



Donut Chart

Customized Charts

- Many Clients look for customized reporting solutions for Dynamic / Personalized experience
- Embed reusable charts in lightning components/VF Pages
- Place these charts in different layouts / Pages
- Gather data from various objects using apex class to populate charts



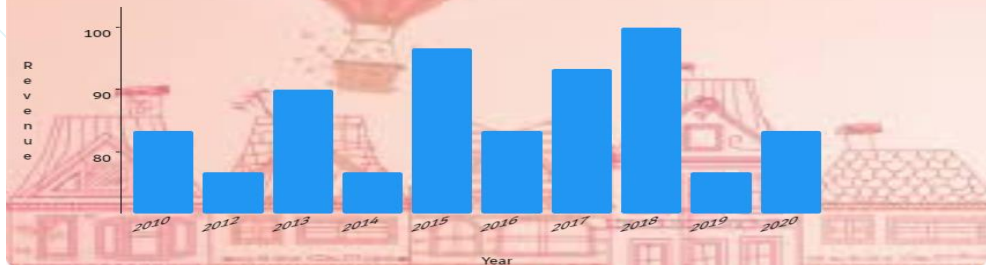
Custom Branding

- Choose Chart properties to match current page theme/style
 - Background color
 - Bar Color(s)
 - Font Color
 - Font weight
 - Axis Indicators
 - Chart Title
 - Background Image
- Charts are responsive
- Override style for more customizations

Yearly Sales Revenue Graph

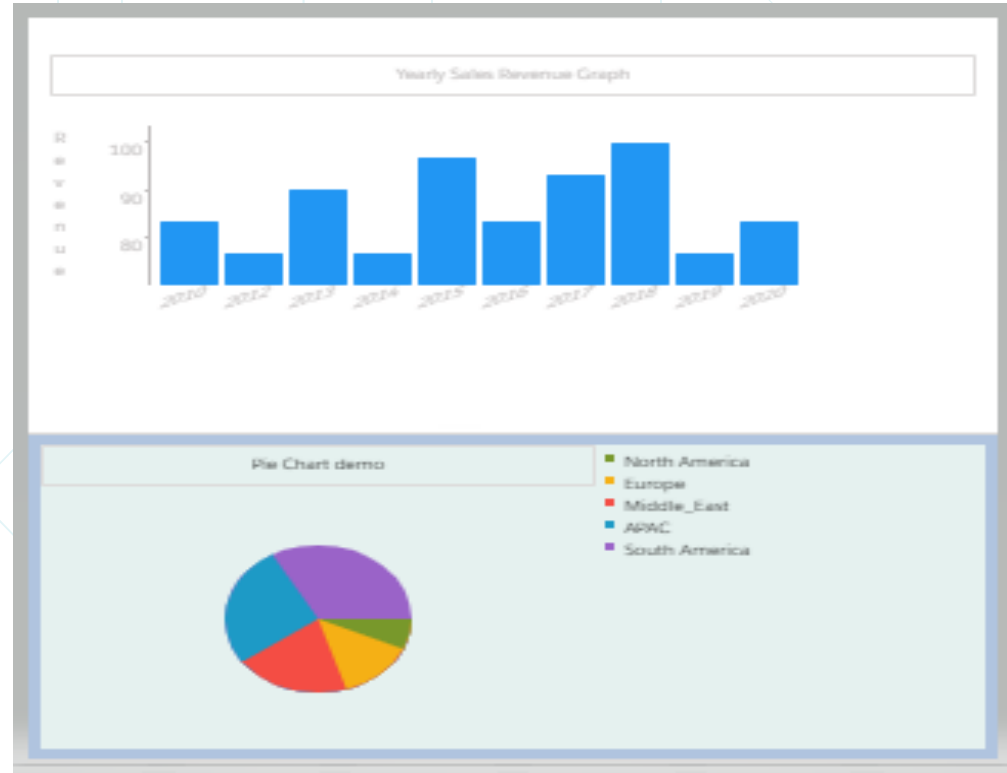


Yearly Sales Revenue Graph



Overcome Limitations

- Overcome standard limitations by using chart components:
 - Display / communicate with another chart based on selection
 - Maximum rows for Chart generation
 - Chart with Multiple object Data
 - Custom report types
 - Dashboard filters
 - Dynamic dashboards per org
 - Scheduled dashboard refreshes



Stable Charts

- More Stable and easy to troubleshoot charts:
 - No need to import JS Libraries
 - No need to use <script> tags for passing data and generating chart
 - Any issue with chart data will be notified / captured using Events

```
<ltng:require scripts="{!$Resource.jsChart}" afterScriptsLoaded="{!c.loadchart}"/>
```

```
function drawChart() {  
  var data = .visualization.arrayToDataTable([  
    ['Task', 'Hours per Day'],  
    ['Work', 8],  
    ['Friends', 2],  
    ['Eat', 2],  
    ['TV', 3],  
    ['Gym', 2],  
    ['Sleep', 7]  
  ]);  
}
```




Let's Solve...