MicroStrategy Education™

10.511 Advanced SDK for Customizing Visualizations

Course description

Learn how to adapt D3 and other graphs so they are compatible with MicroStrategy and then integrate them into a dashboard. Create a new visualization from scratch, or use a visualization from the Internet. Incorporate advanced features like metric thresholds, customized drop zones, and custom properties. Explore complex real-world visualizations to appropriately and easily implement these features, and deploy them to other environments. Provides advanced customization techniques, including coding.

Skills you gain

- Analyze and write code in JavaScript
- Modify XML files, HTML, and CSS
- Use the visualization SDK API
- Introduction to D3 and SVG
- Create a D3 visualization and a plug-in
- Convert a D3 visualization to consume MicroStrategy data
- Define custom properties in a visualization

MicroStrategy products covered

- MicroStrategy SDK
- MicroStrategy Web
- MicroStrategy Desktop

Right for you if

You are an advanced SDK developer who wants to adapt visualizations and create new ones.

Best class experience if you have

10.111 Overview of Enterprise Analytics

10.213 SDK for Customizing Analytical Applications

JavaScript experience

Topics

1. Introduction to visualizations
   - MicroStrategy SDK, Visualization SDK, and Visualization Builder
   - Data visualization
   - D3.js for visualizations
2. Convert D3 visualizations
   - Data-driven documents
   - Sources of D3.js visualizations
   - Map data to MicroStrategy constructs in code
3. Create D3 visualizations
   - Use a basic template
   - Scalar Vector Graphics (SVG) primer
   - Creating a visualization
4. Exploit advanced visualization features
   - Use a visualization as a selector
   - Change the number of metrics and attributes
   - Change an icon
   - Define drop zones
   - Define custom properties
   - Use metric thresholds
5. Create advanced D3 visualizations
6. Explore complex visualizations
   - Testing the visualization
   - Custom Bar chart visualization
   - Custom Line chart visualization
   - Deploy D3 visualizations