CIS Map Drawer Visualization System

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U.S. Citizenship and Immigration Services (USCIS) is the government agency that manages immigration to the United States. They are not only working on filing documents, but also analyzing those data they have. They require help from a visualization system to know the trend of immigration among offices across the country over time. We developed a project called CIS Map Drawer that is used to help build a visualization system for USCIS in order to analyze immigration data easily. This system makes use of a map view, a calendar visual representation, line charts, pixel drawing and other analysis tools to improve the efficiency of analysis process. Data is collected and updated by USCIS office. Map Drawer represents those data and provides users analysis tools for deeper understanding. Methods such as diverse colors are used both on the map and pixel drawing to improve the performance of this system. Our system is designed in a way to fit diverse monitor resolutions to avoid distortion. Some modules are currently under progress and more modules will be achieved to improve the visualization system in both layout and functions.