

# Day 22 — Dark Mode & Dynamic Chart Themes

## Overview

Today's milestone focused on upgrading the dashboard's UI/UX by adding Dark Mode support and making Chart.js visualizations adapt instantly to theme changes. This brings a more modern, premium feel to the OSINT Threat Intelligence Dashboard.

## Today's Wins

- Dark Mode toggle button in navbar for instant theme switching.
- Theme preference saved in localStorage and applied on page load.
- Smooth transitions for background, text, cards, and tables.
- Charts automatically recolor based on selected theme.
- High-contrast palettes for dark mode.
- 500 ms smooth animations for theme transitions.
- Event-driven chart refresh using custom themeChange event.

## Key Insights

- Dark Mode improves readability in low-light environments.
- Dynamic chart recoloring ensures visual consistency without refresh.
- Smooth transitions make the dashboard feel polished and professional.

## Momentum for Tomorrow

Begin integrating real-time OSINT data feeds into charts so visualizations update without manual refresh. Explore adding a theme-aware PDF export to match the current dashboard style in reports.

## Dashboard Screenshots