

Mailtrain is a self-hosted, free and open-source newsletter application with advanced options for managing lists of subscribers, creating and sending e-mail campaigns, and managing multiple users with granular permissions and flexible sharing. The application lacks good options for analyzing and visualizing its data for the purposes of tracking performance or security. IVIS is a framework offering the data processing and visualizing tools Mailtrain needs, and the two projects share many key technologies. In this thesis, we extend Mailtrain so that it uses IVIS and its services for logging, visualization, and analysis of its data. An emphasis is given to the extensibility of both the data logged from Mailtrain and the ways it is visualized.