



This network diagram represents the overall structure of the web analytics project deployed using Docker Compose. The system runs on a Docker host and uses a private Docker network to allow services to communicate internally. The target web server hosts the website being analyzed and is exposed to the host system through port 8080, while the analytics server is exposed through port 8081 to provide dashboard access. A traffic generator operates within the private network to simulate user visits by sending HTTP requests to the web server. Tracking data is forwarded from the web server to the analytics server over HTTP and stored in a database that communicates using TCP. IP addresses, ports, and protocols are shown as reasonable starting values to demonstrate how the services are expected to interact as the project is developed.