Web-Based Scenario Editor

Develop a web-based tool that can create and edit scenarios for distributed simulation.
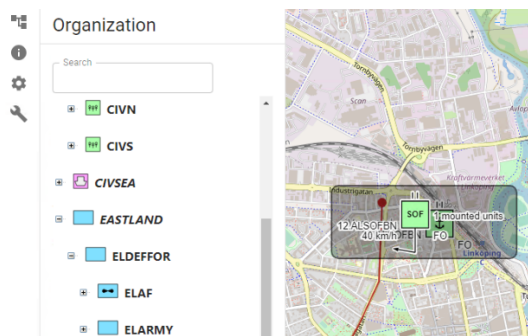
Background

Pitch Technologies has developed a simulator that can simulate military entities in a large-scale, distributed scenario. The simulator is used, for example, in the Viking exercise, which is a computer aided international exercise. More than 50 nations and 70 civilian organizations participated in Viking 2022, training in peace promoting efforts.

https://www.forsvarsmakten.se/sv/aktuellt/2022/03/viking-22-varldens-storsta-internationella-datorstodda-stabsovning/

The simulator has a web-based user interface for controlling the simulation. The user interacts and gives orders to the simulated entities on a map. Currently the scenario is created by a desktop application.

Development Task

Develop a web-based scenario editor in addition to the current user interface. The user shall be able to create the scenario, set up military entities, define their properties and position them in the map.

Screenshot from the user interface

Development Environment

Java, JavaScript, React, React Redux

About Pitch Technologies

Pitch Technologies is a world leader in distributed simulation. We develop software used by large, international organization and companies such as NASA, Boeing, Saab, NATO and many more. For more information, see www.pitchtechnologies.com.