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Device data simulation as a plugin in iCommand

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ABSTRACT

Cerner Corporation is a leading supplier of health information technology solutions, services and devices. Cerner solutions support the clients by surfacing data that enables them to make informed decisions for better management of operations, while providing clinicians with the information they need to provide smarter care. Smarter solutions transform the way healthcare is provided and allow physicians and healthcare providers to focus on what truly matters.

CareAware iBus is the core infrastructure component of the overarching CareAware architecture. It enables plug-and-play connectivity and bi-directional data sharing between Medical devices and the Electronic Health Record (EHR).

CareAware iCommand is the primary application used to configure, manage, and monitor CareAware iBus. It is the single source of truth for managing CareAware iBus. CareAware iCommand is a plug-able framework that allows CareAware solutions to create additional views and tabs specific to the solutions.

This Project is a plugin project for the CareAware iCommand, where it simulates the Data flows between the medical devices and the Device drivers which are developed by Cerner, as well as it displays the logs generated by the Drivers. Prior to the development of this project developers and test engineers had to use multiple applications to simulate the data flow as well as to retrieve the log files generated during the data flow. This project will combine data simulation and log viewing feature into a single view under CareAware iCommand.