

DataStore

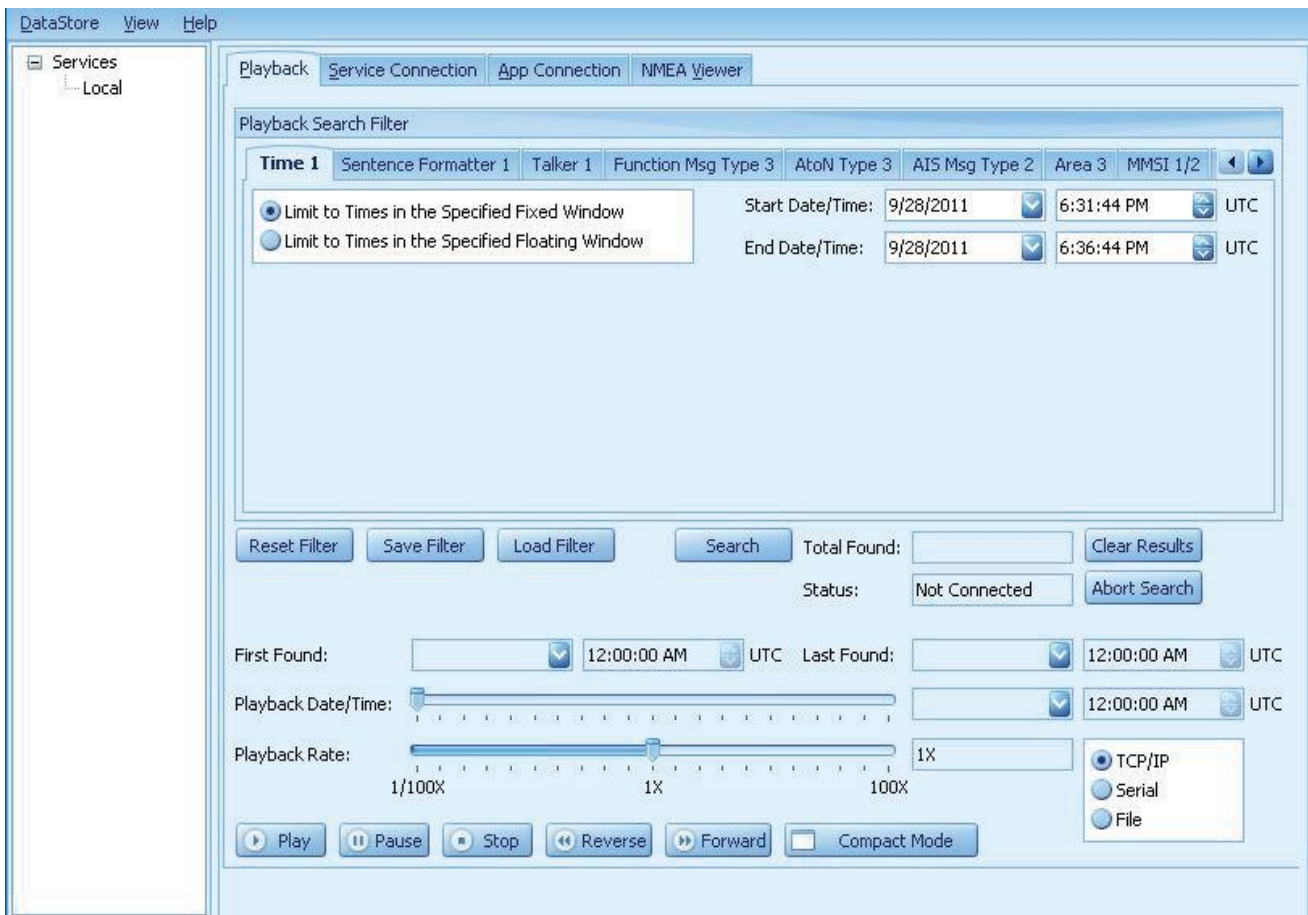
Data Logging and Playback for AIS Network

DataStore is a real-time logging and playback solution for NMEA and NMEA-formatted data, specifically AIS data.

The “back-end” of the solution is a service that interfaces with a database, and the “front-end” interfaces with an application that allows a user to control logging and playback of data.

DataStore can be configured to store all data or a user defined subset of data.

Data stored in the AIS database can be queried and played back in the ECS system or and external application.



Features & Functionality

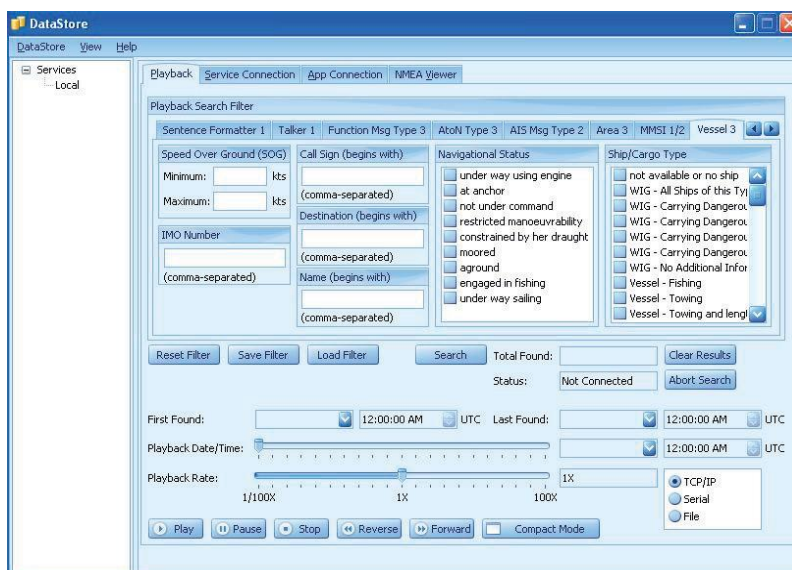
-DataStore can be deployed as a service for local applications (e.g. CNS Systems Aldebaran II on board a vessel) or deployed as a shared service (e.g. vessel monitoring center) for use by all users within an organization. Data stored in the AIS database can be queried and played back into both CNS Systems or other applications.

-DataStore stores and time stamps all NMEA data for advanced time based filtering and playback. The replay function can be controlled to jump to specific dates and times as well as change the rate of playback.

-Supported databases include Oracle, Microsoft SQL Server, and Microsoft SQL Server Express Edition.

-Enhanced Playback – Provides a host of user-defined playback capabilities including serial, file and TCP/OP output, user authorization, talker ID filter, capability to load and save filters, NMEA viewer, and user defined recording time period.

-Remote Connections - Unlimited number of remote user connections, support of PIDS messaging (Control & Status Messages), inputs and outputs NMEA, DataStore format including metadata.



Additional Modules Available

-Synchronization – Provides synchronization with CNS Systems VDL 6000/FASS Advanced and other DataStore instances with redundancy.

-AIS & OwnShip Filters – Provides filters for AIS message type, geographical area, data source, MMSI, and target vessel (e.g., SOG, IMO number, call sign, destination etc).

-Function Message Filters – Provides filters for function/message type, international message support, (including number of persons, VTS tracks, met/hydro, and inland AIS).

-AtoN Filters – Provides filter for floating aids, fixed aids and position status.

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