

COMMANDfleet with CSIS (CS-FLEET)

Description

COMMANDfleet is a vehicle (fleet) data collection tool. It delivers real-time and historical vehicle event and location information. It also provides an integrated/centralized fleet communication center to 1 or more vehicles based on business scenarios. It collects vehicle on-board data including GPS and various electronic sensors, and provides a flexible tool for data mining and presentation. The COMMANDfleet COMMANDseries Integrated Server (CSIS) components create the transactional interface that provide stability, scalability and serviceability.

Features

COMMANDfleet:

- The Message and Events module displays real time message and status events as well as associated errors. The Message and Events module provides various sorting and filtering functions that are stored with the user profile.
- The Diagnostics module provides the ability to retrieve historical messages, statuses, and/or GPS events. The Diagnostic module provides various sorting and filtering functions that are stored with the user profile.
- The Mapping module allows dispatchers to map orders, locate trucks and includes a routing capability. The module supports Telogis Maps as well as Microsoft MapPoint.
- The Water Added Inquiry module senses and measures any water added to the mix from the truck's on-board water tank.

CSIS:

- The CSIS components are the Protocol Manager (PM), Business Logic Server (BLS), and COMMANDnetwork Client (CNClient).
- Transactional based interface passing XML packets via Microsoft Message Queuing (MSMQ)
- Relational database that houses all of the Transactions, Errors, and Trace data for CSIS. These additional data tables are added to the COMMANDseries schema, but are not viewable through COMMANDseries Data Maintenance.
- Currently available for COMMANDsignal and Trimble Mobile Solutions. Check with your account representative regarding support for other signaling solutions.

Prerequisites

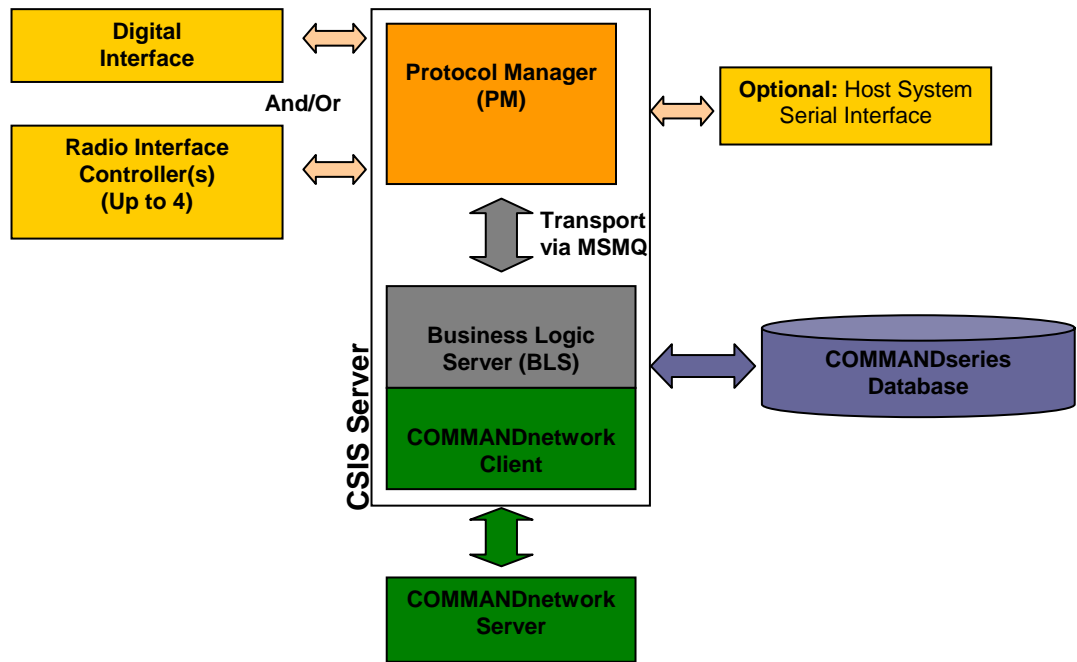
- COMMANDseries Licensing: MS & AS
 - Appropriate database client
 - Currently supported version of .NET Framework
 - Microsoft Message Queuing (MSMQ) enabled
 - Minimum Server Requirements as outlined below
 - Telogis Maps or Microsoft MapPoint for mapping module functionality
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Minimum Server Requirements

These are recommendations only. A complete hardware sizing and selection plan should be developed and accompany any equipment or purchase.

| Topic | 0-50 Trucks | 50-200 Trucks | 200-500 Trucks | 500 – 15000 Trucks |
|---------------------------------------|---|---|---|-----------------------------|
| Processor(s) | 1 P4 2.0+ GHz | Dual Core 2.4+ GHz | Dual Xeon Hyperthreaded 2.4+ GHz | Refer to CAI Technical Team |
| Memory (RAM) | 2.0 GB | 3.0 GB | 3.0 GB | Refer to CAI Technical Team |
| Storage Subsystem: OS / Local Storage | 1x40 GB SATA or EIDE 7200/10000 rpm | Raid 1 2x40 GB SATA or SCSI 7200/10000 RPM | Raid 1 2x 40 GB SATA or SCSI 7200/10000 RPM | Refer to CAI Technical Team |
| Storage Subsystem: DB Sizing Required | Update Database storage to meet new storage requirements (SEE SIZING) | Update Database storage to meet new storage requirements (SEE SIZING) | Update Database storage to meet new storage requirements (SEE SIZING) | Refer to CAI Technical Team |
| Operating System | Windows 2003 Server (SP1) | Windows 2003 Server (SP1) | Windows 2003 Server (SP1) | Refer to CAI Technical Team |
| NIC | 2 x Gb/s Server Class teamed for high performance and availability *If your switch does not support 1Gb/s, select a pair of NIC that support 100 Mb/s auto adjust | | | |
| Remote Access | Microsoft Remote Desktop Enabled (Do Not use VMWARE or PCAnywhere) | | | |
| Power Supply | Recommended Hot Swap Power Supplies (2 or more) | | | |
| Serial Ports | 0: We recommend use of Digi RealPort/Etherlite xx devices for remote serial connections for any Analog Signaling Systems. See Command Alkon Hardware Specification Document for COMMANDseries for supported models. | | | |
| Backup | Backup of Local Directory is Necessary only for standalone systems or quick restore of last message and configuration. Alternatives exist on network. | | | |
| Additional Client Software | System requires Oracle Client software for Oracle Database connectivity or MDAC 2.7 or higher for SQL Server 2000 support. System requires 1 Command Network Client license per CSIS instance System requires enablement of Remote Desktop Administrative Mode as a host configuration with access per the Command Alkon SLA. System requires deployment of currently supported version of DOT NET Framework | | | |

**CSIS
Component
Diagram**



Notes

- Installation of COMMANDfleet will add both FL and WA to COMMANDseries license
- Additional CS-FLEET may be required based on signaling system server configuration

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