

C-DAC's Medical Informatics SDK for Continuity of Care Document (CCD) Release Note

About SDK

C-DAC's Medical Informatics SDK v1.0 for CCD is an implementation of HL7/ASTM Continuity of Care Document Release 1. The SDK is implemented using JDK 8, which facilitates incorporation of HL7/ASTM CCD in healthcare applications. It provides set of APIs which can be integrated in application to generate CCD and APIs for read and validate already existing CCD.

Salient Features

- Object-oriented implementation of HL7/ASTM CCD Release 1 Implementation Guide
- Free and Open Source Software (FOSS) licensed under Apache License v2.0 that allow cost effective implementation across system
- Generate XML based human-readable CCD which can be displayed on a Web browser using a style sheet
- Enables quick access to key patient data to patients/external healthcare application
- Modular APIs for reading, writing and validating Continuity of Care Document
- Sample test-codes to demonstrate functionality
- API Documentation

What's in C-DAC's Medical Informatics SDK v1.0 for CCD?

The SDK includes following packages:

▪ CCD Core

Includes refined classes for Templates, Data Types, Enums and Narrative Blocks as mentioned in HL7/ASTM Implementation Guide for CDA R2 -Continuity of Care Document (CCD) Release 1.

- **Templates:** Contains a library of CDA Release 2 templates and each template may have further supporting templates as required. The template describes a set of XML attributes and elements that may be used to represent the semantics of the data type described in the Data Types Abstract Specification.
- **Data Types:** Contain all HL7 RIM defined data types that define the kind of data that can be included in a field.
- **Enums:** Contains the Enumerated vocabulary of CDA Release 2 required for CCD Document.
- **Narrative Block:** Supports and creates free text block for human readability in CCD.

▪ CCD Lib

Includes APIs to read, write and validate CCD. Comprises model classes representing different sections in CCD.

- **Model Classes:** Represents different sections and Patient demographics data.
- **CCD Reader:** To read already existing CCD XML document.
- **CCD Writer:** To generate XML based Continuity of Care Document.
- **CCD Validator:** Validates CCD XML against XSD provided by HL7 International.

Capabilities of C-DAC's Medical Informatics SDK for CCD

Release Date: April 5, 2019

- Create XML based Continuity of Care Document
- Read XML based Continuity of Care Document
- Validate XML based Continuity of Care Document against XSD Schema provided by HL7 International

Availability

C-DAC's Medical Informatics SDK for CCD is available as downloadable package from C-DAC's Portal (<http://www.cdac.in>) under Apache License v2.0 as free and open source software.

For any information regarding C-DAC's Medical Informatics SDK for CCD please write to C-DAC at sdk-eng@cdac.in.