30. CDISC DACH User Network Meeting

Introduction to CORE – a COSA project

14-March-2023

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CDISC - Resources

CORE – CDISC Open Rules Engine

CORE

Overview	Planning and Status	Program Governance	Participate	Presentations	FAQ	CORE on GitHub

Latest page content update: 24 Nov 2022

Page Note:

The CORE project originated as a traditional CDISC project with planning and volunteer/collaborator recruitment during spring & summer 2021 and formal kickoff in Sept 2021. During summer 2022, CDISC transitioned CORE development to an open-source framework. This page (tab) describes the project goals, objectives, and high-level roadmap; Please see the Program Governance page (tab) for description of the open-source governance framework. Please see the Planning & Status page (tab) for the latest CORE activity, which is now guided by the open-source CORE Roadmap Board.

Development of open-source software for the global clinical research community to test study data for conformance to CDISC standards as well as to regulatory and sponsor-specific conformance rule sets.

Why

- Create a set of unambiguous, executable Conformance Rules for each standard
- Ensure consistency across Conformance Rule implementations
- Expedite availability of Conformance Rules for new standards
- Create Rules vetted by the CDISC standard development teams
- Develop an open-source engine that serves as a Reference Implementation
- Publish rules in CDISC library
- Release of open-source engine under COSA

MVP Engine

- Presentation of the CORE Minimum Viable Product (MVP) Engine early evaluation version on CDISC EU Interchange 2022

- The MVP Engine was previously available via the CORE web page

- Provided with a basic user interface (UI) to allow users to quickly and easily run the Engine to provide early feedback on the Engine functionality to the CORE team

CDISC CORE

View My Studies

View My Studies – Study Details

View My Studies – View Details

View My Studies – View Details

CDISC Open Rules Engine

Dashboard / View My Studies / **View details**

CDISCPILOT01 / Issues

Bundle Details   **Datasets**   Reports

Datasets   🔍 Search

Dataset ↑	Label	# Records	Size	Modified Date
AE			21.4 kB	2022-03-17T17:26:44
CM			19.2 kB	2022-03-10T16:26:45
DD	Death Details		4.0 kB	2020-08-21T09:14:25
DI	Device Identifiers		16.4 kB	2020-08-21T09:14:24
DM			9.1 kB	2022-03-23T17:45:02
DS			10.2 kB	2022-03-15T14:51:46

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View My Studies – View Details

CDISC Open Rules Engine

Conformance Validator

Conformance Validator

Validation

Issue Reporting

Issue Reporting

Issue Reporting

View My Studies – View Details

Issue Reporting

CORE on GitHub

- The CORE Engine Reference Implementation on GitHub is an advancement over the CORE Minimum Viable Product (MVP) Engine early evaluation version

- The GitHub-based Engine is updated to process additional Rule syntax (YAML) engaged to handle new processing conditions that were encountered as the CORE team developed additional Rules

- The GitHub-based Engine is provided with a command line interface (CLI)

CORE on GitHub

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CORE

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CORE Engine Reference Implementation in GitHub

The CORE Engine Reference Implementation is the current version of the Engine. The CORE Engine Reference Implementation has been tr. environment with its provision on GitHub. The GitHub-based Engine is:

- Provided as open source with the permissive MIT license
- Registered with the **CDISC Open-Source Alliance (COSA)**
- Available to users for free
- Provided with a command line interface (CLI)
- Accessed at the GitHub **CDISC-rules-engine** repository, including special instructions in the **Readme** file

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CORE on GitHub

Thank you!

Questions?

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