OpenCDISC Validator Installation and Tuning

How to start using and get the most out of OpenCDISC

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Topics

> Installation

> Set-up CT and MedDRA

> Performance tuning

> Resources

> Demo

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Installation

› Download page

  › opencdisc.org/download

› Two basic options

  › Regular

  › USB

› "Download, un-zip and run"

› Ensure that it's "read and write" folder

› GUI, CLI

› Windows, Mac

Check Java version

› check-java.bat

› v1.5 requires JRE 1.6

› install java if needed

› check JAVA_HOME Windows system variable

› ask your IT team for help if needed

› use USB version as an alternative

CDISC Control Terminology

› Pre-packaged with 5 most recent versions

› SDTM, SDTM-QS

› SEND

› ADaM

› Adding new or old versions

› create a folder with version date

› download .txt files from http://evs.nci.nih.gov/ftp1/CDISC/

› remove version date from file names

MedDRA configuration

› MedDRA license requires to use company files

› Create folder with MedDRA version names

...\opencdisc-validator\config\data\MedDRA\16.1

› Copy MedDRA "ASCII" files

› hglt.asc

› hlt.asc

› llt.asc

› pt.asc

› soc.asc

Validation parameter for MedDRA version

> No MedDRA files – no MedDRA validation

> MedDRA version is set based on define.xml

> If define.xml is missing, there is an option in GUI or CLI

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Performance tuning

› Default settings on resource usage

    › 1 GB memory

    › 1 processor core

Memory

› Operational memory is major potential bottle-neck for validation

› Recommendation is to use ~ 3/4 of physical memory. E.g., 4GB -> 3GB

› client.bat

› START /B javaw -XX:+HeapDumpOnOutOfMemoryError -Xms256m -Xmx1024m -jar lib/validator-gui-1.1.jar

› START /B javaw -XX:+HeapDumpOnOutOfMemoryError -Xms256m -Xmx3072m -jar lib/validator-gui-1.1.jar

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Parallel processing

> Most current computers have multi-core processors

> Set parameters for parallel processing

> …/lib/properties/settings.properties

> Engine.ThreadCount = 1

> Engine.ThreadCount = 4

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Resources

› opencdisc.org/documentation

› opencdisc.org/download

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Demo