



# MDT OCL 1.3 Mini-deck

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## What is OCL

- The OCL component is an implementation of the **Object Constraint Language (OCL)** OMG standard for EMF-based models.
- The OCL component provides the following capabilities to support OCL integration:
  - ◆ Defines APIs for parsing and evaluating OCL constraints and queries on EMF models.
  - ◆ Defines an Ecore implementation of the OCL abstract syntax model, including support for serialization of parsed OCL expressions.
  - ◆ Provides a Visitor API for analyzing/transforming the AST model of OCL expressions.
  - ◆ Provides an extensibility API for clients to customize the parsing and evaluation environments used by the parser.



## What's New in Galileo

- **Extensibility.** Refactored OCL type checking system, evaluation visitor and standard library for extensibility.
- **Escape-sequences in String Literals.** Control characters like '\n' or '\r' are now supported by OCL.
- **Error Recovery in OCL Grammar.** Backtracking-parser based error recovery allows to report multiple errors in the OCL input.
- **Enhanced Tracing.** Finer-grained control is available using system properties named according to the OCL plug-in's trace options.