

# Eclipse Model-to-Text (M2T) Project Mini-deck

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# Model-to-text (M2T) Project Overview

- Goals
  - ◆ Provide implementations of industry standard and defacto Eclipse standard model-to-text engines
  - ◆ Provide exemplary development tools for these languages
  - ◆ Provide common infrastructure for this languages.
- Supported languages
  - ◆ JET – evolved from the EMF code generator language
  - ◆ Xpand – contributed from openArchitectureWare <sup>(1)</sup>
  - ◆ MTL – implementation of the OMG MOF-Models-to-Text specification <sup>(1)</sup>

(1) Xpand and MTL components are not releasing as part of Ganymeded

## Why use M2T?

- How do you capture the knowledge of your experts?
  - ◆ Get them to train others
  - ◆ Get them to write articles and books
  - ◆ ...
- M2T provides an alternative
  - ◆ Capture abstractions in a 'model'
  - ◆ Generate artifacts from the 'model' using an M2T language
  - ◆ Such approaches can significantly increase the productivity of developers
- Examples:
  - ◆ EMF
  - ◆ GMF