

Using stereotypes to help characterize commits

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Individual commits to a version control system are automatically characterized based on the stereotypes of added and deleted methods. The stereotype of each method is automatically reverse engineered using a previously defined taxonomy. Method stereotypes reflect intrinsic atomic behavior of a method and its role in the class. The stereotypes of the added and deleted methods form a descriptors are then used to categorize commits, into types, based on the impact of the changes to a class (or classes). The goal is to gain a better understanding of the design changes to a system over its history and provide a means for documenting the commit.

Published in:

[Software Maintenance \(ICSM\), 2011 27th IEEE International Conference on](#)