

# Further Developments in Generating Type-Safe Messages

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At ICAL-EPCS '09, we introduced a source code generator that allows processes to communicate reliably using data types native to each host language. The compiler takes a source file that describes messages used in a protocol and creates source that implements it. Over the past two years, we've used the protocol compiler with great success, but have found a few ways to further improve it. Our enhancements include encoding integers more efficiently, adding enumerated types, and supporting three more target programming languages.

