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Subject: dynamically updating programs....

Posted by [fudadmin](#) on Sun, 01 Jan 2006 05:41:16 GMT

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<http://www.cs.umd.edu/~mwh/papers/dynupd-toplas.pdf>

Quote:

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Furthermore, there are many non-redundant systems that do not necessarily require non-stop service but would certainly benefit from it. For example, rather than having to reboot a desktop computer each time its operating system is upgraded, we would prefer to realize the updates dynamically. Finally, dynamic updating can aid the software development and maintenance process. For example, in our demonstration application, FlashEd, we dynamically inserted probes to observe the application's state, and then removed them after it was reported. This was useful for debugging and profiling. Moreover, dynamic updating supports "fix-andcontinue" methodologies of software development, so that fixes can be applied to the application while still in the state in which problems were observed.

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