

Username: Pralay Patoria **Book:** Under the Hood of .NET Memory Management. No part of any chapter or book may be reproduced or transmitted in any form by any means without the prior written permission for reprints and excerpts from the publisher of the book or chapter. Redistribution or other use that violates the fair use privilege under U.S. copyright laws (see 17 USC 107) or that otherwise violates these Terms of Service is strictly prohibited. Violators will be prosecuted to the full extent of U.S. Federal and Massachusetts laws.

Conclusion

We have seen some recurring themes across a wide range of .NET platforms. New technologies often solve old problems, but they often create their own new problems, as well as their own variations on some old problems. Understanding how these problems show up on these various platforms makes it easier to understand and appreciate what new versions and new platforms you should bring to the mix when developing your applications. This makes it easier to learn new technologies and to appreciate where the gotchas are before you get burned.

A few of key areas to always be on the lookout for are:

- not having a properly balanced caching strategy
- abusing a new technique by not applying (or, indeed, understanding) it properly
- unintended references through delegates
- always properly dispose of objects that implement the `IDisposable` interface.

Regardless of the platform being used, these guidelines will serve you well.