Lotus Notes®
and Domino® 6
Application Development

Tim Bankes
David Hatter
A Note from Series Editor Ed Tittel

You know better than to trust your certification preparation to just anybody. That's why you, and more than two million others, have purchased an Exam Cram book. As Series Editor for the new and improved Exam Cram 2 series, I have worked with the staff at Que Certification to ensure you won't be disappointed. That's why we've taken the world's best-selling certification product—a finalist for “Best Study Guide” in a CertCities reader poll in 2002—and made it even better.

As a “Favorite Study Guide Author” finalist in a 2002 poll of CertCities readers, I know the value of good books. You'll be impressed with Que Certification's stringent review process, which ensures the books are high-quality, relevant, and technically accurate. Rest assured that at least a dozen industry experts—including the panel of certification experts at CramSession—have reviewed this material, helping us deliver an excellent solution to your exam preparation needs.

We've also added a preview edition of PrepLogic's powerful, full-featured test engine, which is trusted by certification students throughout the world.

As a 20-year-plus veteran of the computing industry and the original creator and editor of the Exam Cram series, I've brought my IT experience to bear on these books. During my tenure at Novell from 1989 to 1994, I worked with and around its excellent education and certification department. This experience helped push my writing and teaching activities heavily in the certification direction. Since then, I've worked on more than 70 certification-related books, and I write about certification topics for numerous Web sites and for Certification magazine.

In 1996, while studying for various MCP exams, I became frustrated with the huge, unwieldy study guides that were the only preparation tools available. As an experienced IT professional and former instructor, I wanted “nothing but the facts” necessary to prepare for the exams. From this impetus, Exam Cram emerged in 1997. It quickly became the best-selling computer book series since “…For Dummies,” and the best-selling certification book series ever. By maintaining an intense focus on subject matter, tracking errata and updates quickly, and following the certification market closely, Exam Cram was able to establish the dominant position in cert prep books.

You will not be disappointed in your decision to purchase this book. If you are, please contact me at etittel@jump.net. All suggestions, ideas, input, or constructive criticism are welcome!
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- Key terms and concepts highlighted at the start of each chapter
- Notes, Tips, and Exam Alerts advise what to watch out for
- End-of-chapter sample Exam Questions with detailed discussions of all answers
- Complete text-based practice test with answer key at the end of each book
- The tear-out Cram Sheet condenses the most important items and information into a two-page reminder
- A CD that includes PrepLogic Practice Tests for complete evaluation of your knowledge
- Our authors are recognized experts in the field. In most cases, they are current or former instructors, trainers, or consultants—they know exactly what you need to know!
From Tim Bankes:

This book is dedicated to my family. This book, as with many of my successes in life, are a result of my parents and all they have done for me throughout my life. I can never thank them enough. To my sisters for their endless advice, friendship, and love. To my nephew and nieces for making family events even more special than they already were.

It is difficult, if not impossible, to give enough credit to Carol Ackerman, Tricia Liebig, and Lorna Gentry (as well as the rest of the Que team) for their relentless efforts and encouragement throughout the writing of this book. I am sure that Dave and I haven’t made their jobs any easier but they managed to pull us through. Carol, thank you in sempiternity.

I would also like to thank my co-workers at Libertas Technologies, LLC. I am sure that countless late nights working on this book couldn’t have helped my disposition at the office. It has been an honor and privilege to work with such a talented and wonderful group of professionals and friends.

To my co-author, Dave Hatter. A good partner and a great friend. What do you think…shall we write one more?

Finally, I would like to thank God—not only for giving me the patience, fortitude, and ability to complete this book, but for everything positive in my life, today and tomorrow.

From Dave Hatter:

This book is dedicated first and foremost to the world’s greatest wife and mother, Leslee Hatter, without whose indefatigable patience and support I would never have finished it. I love you very much! Also to the world’s greatest children: Samuel, Wyatt, and Emma Rose Hatter. Their love is the best thing that ever happened to me and without a doubt, they are proof that children are a gift from God and should be treasured as such. I love you guys more than words can say and I appreciate your patience with me while I was putting in long hours on this book!

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there for me when I needed something and will be missed but never forgotten. And to the many other family members and friends too numerous to mention: I love you all very much and owe all that I am to you!

The team at QUE, namely Carol Ackerman, Tricia Liebig, and Lorna Gentry, deserve tremendous thanks for putting up with us during this long process. It was their hard work and perseverance that brought this book to fruition. Carol especially deserves our thanks as she had the unfortunate task of trying to keep us on track.

And I would be remiss not to thank my co-author Tim Bankes. Tim is a long-time friend and business partner and this book would not exist without his knowledge, insight, and effort. Looks like no more 3 a.m. phone calls for a while! To our military personnel, police officers and fire fighters, I appreciate all you do every day to keep us safe and free. May God bless you, your families, and our great country, the United States!

Finally, I thank God for giving me the knowledge, ability, and stamina to do this book. When you consider that I’m really just a country boy from Kentucky, it is proof that with God, all things are possible!
Tim Bankes is CEO of Libertas Technologies, LLC, a technology solutions provider focused on Web-based software development and consulting. Tim assists companies in integrating Internet technologies into their core business by implementing real business strategies for Internet, intranet, and extranet e-business and e-commerce solutions. Tim has nearly 10 years of programming and management experience with various technologies, including Lotus Notes/Domino, IBM WebSphere, Microsoft IIS/ASP, and others. Tim has been working with Lotus Notes/Domino for nearly nine years and is a Principal Certified Lotus Professional: Application Developer (R4, R5) and System Administrator (R4).

Tim has authored books for the Pearson (formerly Macmillan Computer Publishing) imprints QUE and New Riders, including *Lotus Notes/Domino R5 Essential Reference* (New Riders Publishing), *CLP Fast Track: Lotus Notes/Domino 5 Application Development* (New Riders Publishing) and has contributed as a co-author to *Domino R5 System Administration* (New Riders Publishing) and *Special Edition Using Lotus Notes and Domino 4.6* (Que Publishing). Tim is currently completing another new title with Dave Hatter, namely *Domino R6 Programmer’s Reference*. In addition, Tim has been a featured speaker for searchDomino.com, covering topics such as Lotus Notes/Domino application development and Lotus Notes/Domino application development certifications. Tim was also a featured speaker at The View Admin2003 conference held in Las Vegas, April 30–May 2, 2003.

Prior to joining Libertas, Tim was an independent consultant. Using extensive, real-world experience, Tim assisted organizations in building “best-of-breed” Internet, intranet, and extranet solutions. Remaining technically agnostic, Tim worked with companies to make them more efficient, effective, and accountable to deliver a high return-on-investment by focusing on business solutions using the most appropriate and cost-effective technologies.

Prior to working independently, Tim was the Director of Application Development for Eviciti Corp., a professional services partner that worked with companies to integrate the Internet into their core business. Within one year, Tim grew the Application Development team from 12 people to
approximately 25 people. His responsibilities included managing practice leaders, application developers, the IT technology team, and coordinating resources among various offices. In this role, Tim was responsible for building quality custom applications, providing direction, as well as establishing policies and processes to ensure the successful planning, development, execution, and deployment of solutions. Prior to Eviciti, Tim was a partner and Principal Information Systems Consultant with Definiti, Inc., where he specialized in the design, development, and deployment of comprehensive, enterprise groupware/workflow solutions.

He holds a B.B.A. in Information Systems, a B.B.A. in Management, as well as a certificate in International Business from the University of Cincinnati.

**Dave Hatter** is president of Libertas Technologies, LLC, a technology solutions provider focused on Web-based software development and consulting. Dave has nearly 11 years of programming experience with a number of tools and environments including IBM Websphere and Microsoft IIS/ASP, and has been working with Lotus Notes/Domino for nearly 9 years. He has the following industry certifications: Principal Certified Lotus Professional: Application Developer (R4, R5, 6) and System Administrator (R4), Microsoft Certified Professional (Windows NT), CompTIA i-Net+, Network+, e-Biz+ and Master CIW Designer. Additionally, Dave has a B.S in Information Systems from Northern Kentucky University.

Dave is a graduate of Leadership Kentucky (2000) and Leadership Northern Kentucky (2000). He was named the NKU Young Alumnus in 1997 and U.S. senator Jim Bunning’s Republican Man of the Year in 1998. His former company, Definiti, was named a Beacon Award Finalist, 2000, for “Best e-Business Solution—Supplier Relationship Management” for the KAM application that he designed, developed, and managed for the Cognis Corporation (formerly Henkel).

Dave feels strongly about community service and stays active in the local community in a number of ways. He serves as councilmember and Webmaster for the City of Fort Wright, Kentucky; KY Geographic Information Advisory Council (state board), Water Cooler Talk Chair (2001-2002 and 2002-2003), and New Economy Transition Team (N.E.T.T): e-Government Chair (2001-2002 and 2002-2003) for the Northern Kentucky Chamber of Commerce; member of the NKU Alumni Council, Technology Instructor in the NKU Community Education program; Webmaster and member of the Kenton County Republican Party Executive Committee; Cub Scout Den Leader, Pack 831, Fort Wright, Kentucky; and Lector at Saint Agnes Church.

Dave writes a technology column for Better Living Magazine and can be seen as a regular monthly guest on WXIX’s (Channel 19, serving the Greater Cincinnati area) 19 in the Morning and on Insight Communication’s (Channel 6, serving Northern Kentucky) Northern Kentucky Magazine. For scheduling information, visit www.libertastechologies.com. Dave can be reached at dhatter@libertastechologies.com or 859-426-1046.
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Deborah Brown is a Certified Instructor at a Lotus Authorized Education Center in Southfield, Michigan. Deborah has worked in the computer industry for more than 15 years developing and programming applications. She has worked with numerous technologies such as COBOL, dBase, Microsoft technologies, DB2, and for the last 7 years as a Lotus Notes/Domino instructor. Deborah has obtained the following certifications: Principal CLP (Certified Lotus Professional) and CLI (Certified Lotus Instructor); Application Development and System Administration R4, R5, and ND6; IBM Certified Application Developer and System Administrator – Lotus Collaborative Solutions certificates; and she is an IBM Certified Specialist – DB2.

Deborah has authored and co-authored Lotus Certified courseware. She has also worked with AdvancedCLP as a beta tester and technical editor for their Lotus Notes/Domino practice tests. In addition, Deborah has won the Lotus Certified Instructor award twice, which is presented yearly during CLI Day at Lotusphere.

Prior to becoming a CLI, Deborah worked at Ameritech Telephone Company. She was originally a mainframe analyst working on the billing systems and yellow pages. Deborah spent the rest of her career at Ameritech in the Education department. She started as a trainer of PC software-Word, Excel, 1-2-3, Access, and other desktop applications. She won an Excellence award for creating and implementing the Fast-Track training program that consisted of combining multiple applications into one training course. Deborah designed and wrote the courseware, and setup a portable classroom that was used to deliver the training throughout the region.

Deborah is also very active in her community on the local and state level. She has worked on numerous campaigns for City Council and State Representatives. Deborah is always ready to lend a hand for environmental clean-up projects and working with various community activities.
**About the Technical Reviewers**

**Deborah Miller** began as a developer in Lotus Notes 3 and has been working with Notes for over seven years, creating and maintaining Notes and Domino applications simple to complex for corporations and government agencies, with a client base varying from the departmental to the international user.

Ms. Miller has degrees in Computer Information Systems and Literary Criticism, and is an IBM Certified Application Developer - Lotus Notes and Domino 6.

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