VBScript Programmer's Reference, Second Edition

Adrian Kingsley-Hughes
Kathie Kingsley-Hughes
Daniel Read

WILEY
Wiley Publishing, Inc.

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

VBScript Programmer's Reference, Second Edition
Published by
Wiley Publishing, Inc.
10475 Crosspoint Boulevard
Indianapolis, IN 46256
www.wiley.com

Copyright © 2004 by John Wiley & Sons. All rights reserved.

Published simultaneously in Canada

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning, or otherwise, except as permitted under Section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the Publisher, or authorization through payment of the appropriate per-copy fee to the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 646-8700. Requests to the Publisher for permission should be addressed to the Legal Department, Wiley Publishing, Inc., 10475 Crosspoint Blvd., Indianapolis, IN 46256, (317) 572-3447, fax (317) 572-4447, E-mail:permcoordinator@wiley.com.

LIMIT OF LIABILITY/DISCLAIMER OF WARRANTY: THE PUBLISHER AND THE AUTHOR MAKE NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO THE ACCURACY OR COMPLETENESS OF THE CONTENTS OF THIS WORK AND SPECIFICALLY DISCLAIM ALL WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. NO WARRANTY MAY BE CREATED OR EXTENDED BY SALES OR PROMOTIONAL MATERIALS. THE ADVICE AND STRATEGIES CONTAINED HEREIN MAY NOT BE SUITABLE FOR EVERY SITUATION. THIS WORK IS SOLD WITH THE UNDERSTANDING THAT THE PUBLISHER IS NOT ENGAGED IN RENDERING LEGAL, ACCOUNTING, OR OTHER PROFESSIONAL SERVICES. IF PROFESSIONAL ASSISTANCE IS REQUIRED, THE SERVICES OF A COMPETENT PROFESSIONAL PERSON SHOULD BE SOUGHT. NEITHER THE PUBLISHER NOT THE AUTHOR SHALL BE LIABLE FOR DAMAGES ARISING HEREFROM. THE FACT THAT AN ORGANIZATION OR WEB SITE IS REFERRED TO IN THIS WORK AS A CITATION AND/OR A POTENTIAL SOURCE OF FURTHER INFORMATION DOES NOT MEAN THAT THE AUTHOR OR THE PUBLISHER ENDORSES THE INFORMATION THE ORGANIZATION OR WEB SITE MAY PROVIDE OR RECOMMENDATIONS IT MAY MAKE. FURTHER, READERS SHOULD BE AWARE THAT INTERNET WEB SITES LISTED IN THIS WORK MAY HAVE CHANGED OR DISAPPEARED BETWEEN WHEN THIS WORK WAS WRITTEN AND WHEN IT IS READ.

For general information on our other products and services please contact our Customer Care Department within the United States at (800) 762-2974, outside the United States at (317) 572-3993 or fax (317) 572-4002.

Trademarks: Wiley, the Wiley Publishing logo, Wrox, the Wrox logo, and Programmer to Programmer are trademarks or registered trademarks of John Wiley & Sons, Inc. and/or its affiliates. All other trademarks are the property of their respective owners. Wiley Publishing, Inc., is not associated with any product or vendor mentioned in this book.

Wiley also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.

Library of Congress Card Number:

eISBN: 0-7645-7880-4

Printed in the United States of America

10 9 8 7 6 5 4 3 2 1

Library of Congress Cataloging-in-Publication Data

Kingsley-Hughes, Adrian.
VBScript programmer's reference / Adrian Kingsley-Hughes, Kathie Kingsley-Hughes, Daniel Read.—2nd ed.
p. cm.
Includes index.
eISBN 0-7645-7880- 4
1. VBScript (Computer program language). 2. HTML (Document markup language). 3. World Wide Web. I. Kingsley-Hughes, Kathie. II. Read, Daniel, 1969- III. Title
QA76.73.V27K56 2004
005.2'762—dc22 2004007671

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

off, a small yellow triangle with an exclamation point (!) will appear in the status bar at the bottom of the browser window.

This will be the user's only indication that an error has occurred, and the actual error message will only come up if the user happens to notice the yellow icon and clicks on it. However, it is important to consider the likely possibility that users of your Web page will not care what the error is. There is nothing that they can do about it anyway. All they know is that the page is not working. This situation underlines the importance of thoroughly testing all of your browser-based VBScript code.

Handling Errors

What exactly does "error handling" mean? In the purest definition, error handling means take an active, rather than passive, approach to responding to errors. This means having extra code built into your script to deal with errors in case they occur. This can take the form of a "global" error handling scheme that does something such as:

- displaying the error to a user
- logging the error to a file, database, or the Windows Event Log
- e-mailing the error to a system administrator
- paging the system administrator
- some combination of all of the these

In addition to a general error handling scheme, you can trap for specific errors at specific points. For example, trying to connect to a database is a common point where errors occur. The password entered by the user might be wrong, or the database might have reached the maximum allowable connections. Knowing that connecting to a database is error prone, the experienced VBScript programmer will put a specific error trap in his or her code in the place where the code attempts a database connection.

The remainder of this section will introduce the elements necessary for handling errors in your VBScript programs.

The Err Object

The `Err` object is what is described in the Microsoft VBScript documentation as an "intrinsic object with global scope," which means that it is always available to any VBScript code. There is no need to declare a variable to hold an `Err` object and no need to instantiate it using `CreateObject` or `New`. There is exactly one `Err` object in memory at all times while a VBScript program is running.

The `Err` object contains information about the last error that occurred. If no error has occurred, the `Err` object will still be available, but it will not contain any error information. Error information is stored in the properties of the `Err` object; some of which are given in the table.

The properties and methods of the `Err` object are described in more detail in Appendix E.

The `Err` object also has two methods. The first is the `Clear` method, which erases all of the properties of the `Err` object so that the information about the last error is thrown away. The second is the `Raise`

DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.