

# Oracle® Configurator Developer

User's Guide

Release 11*i* for Windows 95/98 and Windows NT 4.0

April 2000

Part No. A73280-05

**ORACLE®**

---

*Oracle Configurator Developer User's Guide*, Release 11i for Windows 95/98 and Windows NT 4.0

Part No. A73280-05

Copyright © 1996, 2000, Oracle Corporation. All rights reserved.

Authors: Denise Boyer, Tina Brand, Mark Sawtelle, Jan Stetson

The Programs (which include both the software and documentation) contain proprietary information of Oracle Corporation; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs is prohibited.

Program Documentation is licensed for use solely to support the deployment of the Programs and not for any other purpose.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. Oracle Corporation does not warrant that this document is error free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Oracle Corporation.

If the Programs are delivered to the U.S. Government or anyone licensing or using the programs on behalf of the U.S. Government, the following notice is applicable:

**Restricted Rights Notice** Programs delivered subject to the DOD FAR Supplement are "commercial computer software" and use, duplication, and disclosure of the Programs, including documentation, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement. Otherwise, Programs delivered subject to the Federal Acquisition Regulations are "restricted computer software" and use, duplication, and disclosure of the Programs shall be subject to the restrictions in FAR 52.227-19, Commercial Computer Software - Restricted Rights (June, 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065.

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and Oracle Corporation disclaims liability for any damages caused by such use of the Programs.

Oracle is a registered trademark, and SellingPoint, Oraclemetals, OracleGOLD, OracleSILVER, and OracleBRONZE are trademarks or registered trademarks of Oracle Corporation. All other company or product names mentioned are used for identification purposes only and may be trademarks of their respective owners.

---

---

# Contents

<b>Send Us Your Comments .....</b>	<b>xi</b>
<b>Preface.....</b>	<b>xiii</b>
Intended Audience .....	xiii
Structure.....	xiii
Related Documents.....	xiv
Conventions.....	xiv
<b>1 Introduction</b>	
<b>Welcome to Oracle Configurator Developer .....</b>	<b>1-1</b>
What is a Configurator .....	1-1
Building a Configurator with Oracle Configurator Developer .....	1-2
<b>Plan your Project.....</b>	<b>1-2</b>
Multi-User Development Strategy .....	1-4
<b>Design your Configuration Model.....</b>	<b>1-4</b>
Identify your Product Data .....	1-4
Design your Configuration Rules .....	1-5
<b>Quick Tour of Oracle Configurator Developer.....</b>	<b>1-5</b>
<b>Getting Help with Oracle Configurator Developer.....</b>	<b>1-6</b>
<b>Product Support .....</b>	<b>1-6</b>
<b>2 Constructing a Configurator</b>	
The Oracle Runtime Configurator .....	2-1
Managing an Oracle Configurator Developer Project.....	2-2

<b>The Overall Process</b> .....	2-2
<b>Language Support in Oracle Configurator</b> .....	2-4
<b>The Project</b> .....	2-4
Opening an Existing Project .....	2-4
Creating a New Project .....	2-4
<b>The Item Master</b> .....	2-5
<b>Importing Data into the Item Master</b> .....	2-5
<b>Modifying the Item Master</b> .....	2-6
Adding a New Item Type.....	2-6
Adding a New Item .....	2-7
Changing the Item Type of an Item .....	2-7
Editing an Item or Item Type.....	2-7
Deleting an Item or Item Type.....	2-7
<b>The Model</b> .....	2-7
<b>Properties</b> .....	2-9
<b>The Imported BOM Model</b> .....	2-10
<b>Adding Structure to the Imported BOM Model</b> .....	2-11
<b>Assemble to Order Rules</b> .....	2-12
<b>Building Model Structure</b> .....	2-14
Creating a Product.....	2-15
Creating a Component.....	2-15
Creating a Feature.....	2-16
Creating an Option .....	2-16
Creating a Total or Resource.....	2-16
<b>Using Populators</b> .....	2-17
The Define Populator Dialog .....	2-17
Creating a Populator .....	2-19
<b>The Configuration Rules</b> .....	2-20
Configuration Rules and Logic State .....	2-21
Logical Relationships .....	2-21
Requires.....	2-22
Implies .....	2-22
Excludes .....	2-23
Negates.....	2-23
Defaults .....	2-24

Summary of Logical Relationships .....	2-24
All True and Any True .....	2-25
Types of Configuration Rules .....	2-25
Rule Folders.....	2-26
Enable and Disable Rules .....	2-26
Enforcing Logical Relationships.....	2-27
<b>Building Configuration Rules.....</b>	<b>2-29</b>
<b>Building Logic Rules.....</b>	<b>2-30</b>
To Build Logic Rules .....	2-30
<b>Building Numeric Rules.....</b>	<b>2-31</b>
Contributes to.....	2-31
Consumes from.....	2-31
Negative Contributions .....	2-32
Unknown Values and Rule Propagation .....	2-32
To Build Numeric Rules .....	2-33
<b>Building Comparison Rules .....</b>	<b>2-34</b>
To Build Comparison Rules .....	2-34
<b>Building Property-based Compatibilities.....</b>	<b>2-35</b>
To Build Property-based Compatibility Rules .....	2-35
<b>Building Explicit Compatibilities .....</b>	<b>2-36</b>
To Build Explicit Compatibility Rules.....	2-37
<b>Building Design Charts .....</b>	<b>2-37</b>
To Build Design Charts.....	2-42
<b>Advanced Expressions .....</b>	<b>2-44</b>
<b>The Advanced Expression Editor .....</b>	<b>2-45</b>
<b>Building Advanced Expressions.....</b>	<b>2-51</b>
Operators .....	2-51
Precedence of Operators.....	2-52
Operands.....	2-53
Functions.....	2-53
Advanced Expression Errors .....	2-54
To Build Advanced Expressions for Rules .....	2-55
<b>Building Functional Companions .....</b>	<b>2-55</b>
<b>Rules that Relate Optional Components .....</b>	<b>2-56</b>
<b>The User Interface.....</b>	<b>2-57</b>

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.