



# BEA WebLogic Collaborate

A Component of BEA WebLogic Integration

## Programming BEA WebLogic Collaborate Management Applications

BEA WebLogic Collaborate Release 2.0  
Document Edition 2.0  
July 2001

ServiceNow, Inc.'s Exhibit 1006

001

## Copyright

Copyright © 2001 BEA Systems, Inc. All Rights Reserved.

## Restricted Rights Legend

This software and documentation is subject to and made available only pursuant to the terms of the BEA Systems License Agreement and may be used or copied only in accordance with the terms of that agreement. It is against the law to copy the software except as specifically allowed in the agreement. This document may not, in whole or in part, be copied photocopied, reproduced, translated, or reduced to any electronic medium or machine readable form without prior consent, in writing, from BEA Systems, Inc.

Use, duplication or disclosure by the U.S. Government is subject to restrictions set forth in the BEA Systems License Agreement and in subparagraph (c)(1) of the Commercial Computer Software-Restricted Rights Clause at FAR 52.227-19; subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013, subparagraph (d) of the Commercial Computer Software--Licensing clause at NASA FAR supplement 16-52.227-86; or their equivalent.

Information in this document is subject to change without notice and does not represent a commitment on the part of BEA Systems. THE SOFTWARE AND DOCUMENTATION ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FURTHER, BEA Systems DOES NOT WARRANT, GUARANTEE, OR MAKE ANY REPRESENTATIONS REGARDING THE USE, OR THE RESULTS OF THE USE, OF THE SOFTWARE OR WRITTEN MATERIAL IN TERMS OF CORRECTNESS, ACCURACY, RELIABILITY, OR OTHERWISE.

## Trademarks or Service Marks

BEA, WebLogic, Tuxedo, and Jolt are registered trademarks of BEA Systems, Inc. How Business Becomes E-Business, Operating System for the Internet, Liquid Data, BEA WebLogic E-Business Platform, BEA Builder, BEA Manager, BEA eLink, BEA WebLogic Commerce Server, BEA WebLogic Personalization Server, BEA WebLogic Process Integrator, BEA WebLogic Collaborate, BEA WebLogic Enterprise, BEA WebLogic Server, BEA WebLogic Integration, E-Business Control Center, BEA Campaign Manager for WebLogic, and Portal FrameWork are trademarks of BEA Systems, Inc.

All other trademarks are the property of their respective companies.

### Programming BEA WebLogic Collaborate Management Applications

<b>Document Edition</b>	<b>Date</b>	<b>Software Version</b>
2.0	July 2001	2.0

ServiceNow, Inc.'s Exhibit 1006

002

---

# Contents

## About This Document

What You Need to Know .....	vi
e-docs Web Site .....	vi
How to Print this Document .....	vii
Related Information.....	vii
Contact Us!.....	vii
Documentation Conventions .....	viii

## 1. Introduction

WebLogic Collaborate Applications .....	1-1
Management Applications.....	1-2

## 2. Developing Management Applications

Standard and Custom Management Tools.....	2-1
About Management Applications.....	2-2
MBeans and the MBean Server.....	2-2
MBean Packages .....	2-3
MBean Server Implementation .....	2-3
MBeans.....	2-3
Programming Steps for Management Applications .....	2-5
Step 1: Import the Necessary Packages.....	2-6
Step 2: Get a Reference to the MBeanServer Object .....	2-7
Step 3: Construct an ObjectName Object .....	2-8
Step 4: Query the MBean Server.....	2-8
Step 5: Read the Attributes of the MBean.....	2-9
Step 6: Navigate Across MBeans .....	2-10
Step 7: Handle Exceptions .....	2-11

ServiceNow, Inc.'s Exhibit 1006

Programming BEA WebLogic Collaborate Management Applications     iii

003

---

**Index**

<b>iv</b>	<b>ServiceNow, Inc.'s Exhibit 1006</b>
	Programming BEA WebLogic Collaborate Management Applications
	<b>004</b>

---

# About This Document

This document describes how to develop applications to exchange business messages and monitor run-time activities through the BEA WebLogic Collaborate™ system.

This document is organized as follows:

- Chapter 1, “Introduction,” provides an overview to developing applications for the BEA WebLogic Collaborate environment.
- Chapter 2, “Developing Management Applications,” describes how to create applications that monitor run-time activities in WebLogic Collaborate using the BEA WebLogic Collaborate Managed Beans (MBeans).

# 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.