

# **The Book of Evergreen**

**Dan Scott**

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# Part I. Preface

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# Chapter 1. Why read this book?



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# Chapter 2. Conventions

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# Chapter 3. Getting Evergreen

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# Chapter 4. Requests for comments

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## **Part II. Introduction**

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# Chapter 5. What is Evergreen?

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# Chapter 6. A brief history of Evergreen

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# **Chapter 7. Is Evergreen right for your library?**



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# Chapter 8. Evergreen architecture

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## **Chapter 9. Evergreen concepts**

**Organizational units: consortiums, libraries, and locations**

**Items: bibliographic records, volumes, and copies**

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# Chapter 10. Scenarios: a tale of two Evergreen systems

## Scenario 1: Le Grande University

Le Grande University is a large academic institution that features one main library and six libraries with specialized collections distributed across campus. Circulation counts are low, search sessions are low volume but lengthy and in-depth, faculty and students make heavy use of shared resource lists and RSS feeds for lists of new resources in areas of interest.

## Scenario 2: Metropolitan Public Library Consortium

The Metropolitan Public Library Consortium consists of one large central reference library, a set of 33 branch libraries in the city core, and 25 branch libraries distributed throughout the five recently amalgamated suburban areas that were once independent public libraries.

Circulation counts are extremely high. Search sessions are high volume but typically short in duration and simple title / author searches. Catalog interfaces must be available in many different languages to support the diverse population of patrons. The staff client interface must be available in both official federal languages (French and English).

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## **Part III. Setting up an Evergreen system**

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# Chapter 11. Setting up the router

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# Chapter 12. Setting up PostgreSQL database

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# Chapter 13. Setting up the memcached servers



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## **Chapter 14. Configuring Evergreen**

**Defining basic connection information  
(opensrf\_core.xml)**

**Defining Z39.50 sources (opensrf.xml)**

**Defining an added content service  
(opensrf.xml)**

**Setting default login timeouts (opensrf.xml)**

**Setting circulation policies (opensrf.xml /  
circ\_groups.js)**

**Defining field mappings (fm\_IDL.xml)**

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# **Chapter 15. Setting up Apache Web server**

**Basic configuration (apache2.conf / httpd.conf)**

**Defining your virtual host**

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# **Chapter 16. Installing the Evergreen staff client**

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# **Part IV. Administering Evergreen**

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# Chapter 17. Starting and stopping Evergreen

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# **Chapter 18. Setting up organizational units**

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# Chapter 19. Customizing the catalog



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# Chapter 20. Generating reports

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# Chapter 21. Preventing disaster

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# Part V. Core tasks

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# Chapter 22. Cataloging

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# **Chapter 23. Circulation**

## **Offline circulation**

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# Chapter 24. Course reserves

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# Chapter 25. Acquisitions



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# Chapter 26. Serials

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# Part VI. Customizing Evergreen

## About this section

This section is intended to describe the tasks that Evergreen administrators can perform to customize the look and feel of the system for their libraries. All tasks described here will be able to be completed with a rudimentary knowledge of XHTML, CSS, and JavaScript.

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# **Chapter 27. Customizing the staff client**

**Changing the theme**

**Changing labels and messages**

**Changing key mappings**

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# **Chapter 28. Customizing the catalog**

**Changing the theme**

**Changing labels and messages**

**Changing the hit list details**

**Changing the detailed view details**

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# Part VII. Technical reference

## About this section

This section will document the Evergreen application programming interfaces (APIs), database schemas, communication protocols, client and catalog design and implementation, and configuration files.

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# **Chapter 29. Application Programming Interfaces**

**OpenSRF**

**Web services**

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# Chapter 30. Database schemas

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# **Chapter 31. Communication protocols (XMPP + JSON)**



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# Chapter 32. Configuration files