

---

# Programming Guide

---

## About This Guide

---

The Servoy Programming Guide describes the concepts of the Servoy platform and covers the the most important topics related to development of Solutions using the Servoy platform.

For detailed documentation on each class and object, see the [Reference Guide](#).

For information on how to use the Servoy Developer IDE, see the [Developer User Guide](#).

## How to Use This Book

---

### Who Is It For

---

This guide is for both new and experienced Servoy developers as well as developers who are considering Servoy, as this guide explains the design principles behind the Servoy platform, discussed the anatomy of a Servoy solution and introduces the key concepts that relate to development of solutions using Servoy.

### Required Knowledge

---

While creating powerful applications using the Servoy platform is as straight forward as it can be, general experience in programming (in any language) will definitely help getting up to speed in Servoy. Specific area's of knowledge that can be handy within Servoy, but are by no means required in order to get started with the creation of applications in Servoy are:

- Basic JavaScript knowledge
- Knowledge of Object Oriented Programming
- Basic knowledge of SQL

As said previously, knowledge and/or experience in the above mentioned area's will help with getting started in Servoy, but are not a requirement. This guide included introductory chapters on JavaScript and SQL and will explain the concepts of Object Oriented Programming where needed.

## In This Guide

---

- [Servoy Design Principles](#)
- [Servoy Concepts](#)
- [Working with Data](#)
- [Defining a Data Model](#)
- [Business logic](#)
- [Solution Model](#)
- [Windows and Dialogs](#)
- [Modular Development](#)
- [Implementing Audit Logging](#)
- [Implementing Security](#)
- [Internationalization - I18N](#)
- [Client type specifics](#)
- [Working with Dates \(and timezones\)](#)

## Copyright

---

**Copyright © 1997- 2020 Servoy BV All rights reserved.**

The software contains proprietary information of Servoy BV; it is provided under a license agreement containing restrictions on use and disclosure and is also protected by copyright law. Reverse engineering of the software is prohibited.

Due to continued product development this information may change without notice. The information and intellectual property contained herein is confidential between Servoy BV and the client and remains the exclusive property of Servoy BV. If you find any problems in the documentation, please report them to us by email. Servoy BV does not warrant that this document is error-free.

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 or otherwise without the prior written permission of Servoy BV.

Servoy and the Servoy Logo are registered trademarks of Servoy BV and Servoy Inc. All other trademarks are the property of their respective owners.

## Servoy USA

Servoy Inc.  
6303 Owensmouth Avenue  
10th Floor  
Woodland Hills, CA 91367-2263  
Voice: +1 805 624 4959  
Fax: +1 805 624 4958

## International HQ

Servoy BV

Fred. Roeskestraat 97c

1076EC Amsterdam

The Netherlands

Voice: +31 20 229 11 50

Fax: +31 84 224 2422

Email: [support@servoy.com](mailto:support@servoy.com)

Web: <http://www.servoy.com>