YEROTH–ERP–3.0

GUIDE PRATIQUE DU LOGICIEL DE GESTION COMMERCIALE ET FINANCIÈRE

"PROGRAMME ET CODE SOURCE OUVERT ET LIBRE"

LES CODES SOURCES, OUVERT ET LIBRE, ET CE, DANS TOUS LES SENS DU TERME SONT LOCALISÉS À L'ADRESSE INTERNET SUIVANTE:

http://github.com/xnoumbissinoundou/yeroth-erp-3.0
http://github.com/xnoumbissinoundou/yeroth-erp-3-0-system-daemon

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Ce document explique de manière simplistique le rôle de YEROTH–ERP–3.0, et dorénavant, sera le guide pragmatique de son utilisateur.

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Chapter 1

Introduction

Cette introduction vise à fournir aux utilisateurs de mon SYSTÈME–LOGICIEL les prérequis nécessaires à son utilisation (**NAVIGATION, ET MANIPULATION DES LIENS, ET DE L'APPLICATION** YEROTH–ERP–3.0 **EN GÉNÉRAL!**

Chapter 2

Conclusion

This conclusion explains why YEROTH–ERP–3.0 uses the BEST SOFTWARE TECHNOLOGY IN TERMS OF SOFTWARE–SYSTEM ARCHITECTURE !

	YEROTH–ERP–3.0	Odoo
libraries & programs	lxqt-sudo, etc.	python-lxml, etc.
user interface code TOOLS WYSIWYG	QT–DESIGNER	(CUSTOM BUILD) FRAMEWORKS
business code	C++	Python, JavaScript, XML
DBMS	MySQL	PostgreSQL
web–server		Werkzeug

Table 2.1: YEROTH–ERP–3.0 VS. Odoo.

YEROTH–ERP–3.0 has a thick–client software–system architecture because we found thick–client software–system architectures simpler than web–browser–based software–system architectures.

Thick–client software–system architectures is simpler because it requires less layers in its logical (or physical) software–system architecture, and is easier to develop and maintain as a software–system application.

Table **??** illustrates a thick–client software–system is SUPERIOR IN TERMS OF TOOLS FOR MAINTENANCE AND DEVELOPMENT than a web–browser–based software–system !

A web–browser–based software–system architecture has more drawbacks as follows:

1. it requires at least 2 other software–systems, *apart from the ones normally required by developed software–system itself, for instance libraries (e.g.:* Log4j*),* to fully operate (e.g.: web server, application server, etc.).

   Table 2.1 depicts this situation in the light of the open source ERP software–system Odoo.

   Accordingly, a thick–client software–system doesn't require any running and managing infrastructure such as for example an application server !

2. A web–browser–based software–system requires at least 4 layers in its logical system architecture (e.g.: client, presentation, logic, and data layers).

   Accordingly, a thick–client software–system only requires at least 2 layers !

3. A web–browser–based software–system potentially entails more software security vulnerabilities because its implementation requires the use of at least 2 different programming languages, and frameworks in combination.

   Accordingly, a thick–client software–system needs only the use of 1 homogeneous software programming language !

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Appendix A

Documents de Présentation du PROGICIEL DE GESTION "SOURCE OUVERTE ET LIBRE" YEROTH–ERP–3.0