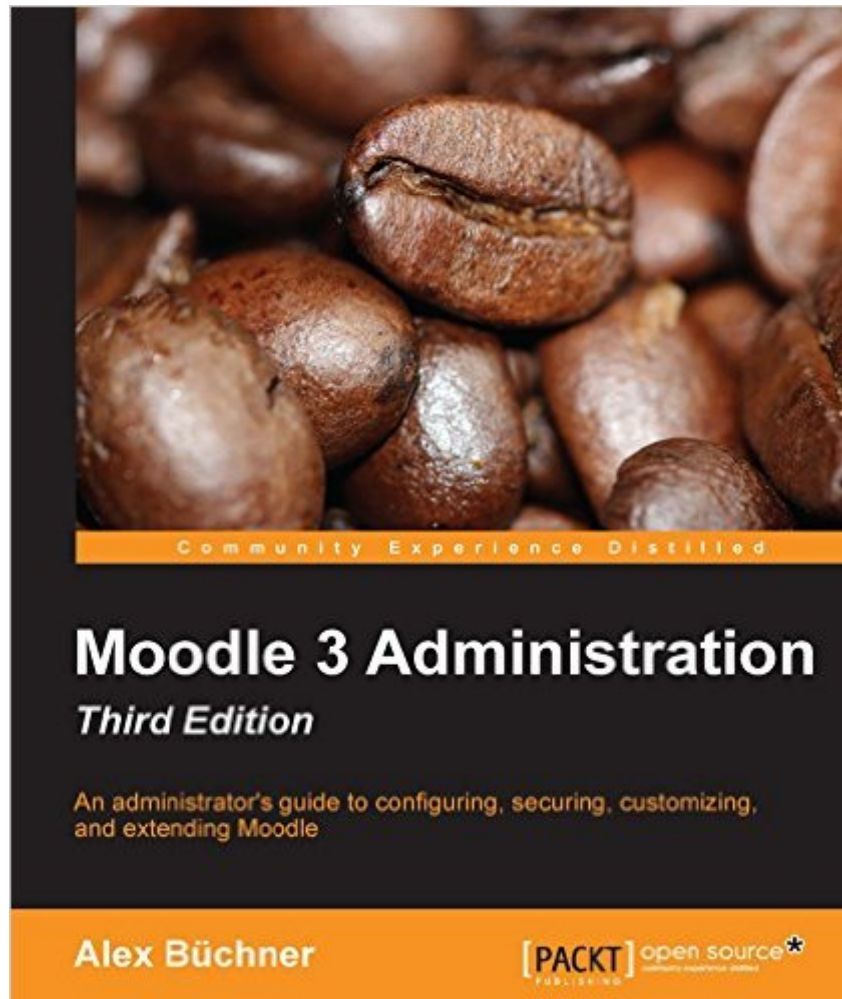# Moodle 3 Administration - Third Edition

Synopsis

Key FeaturesLearn how to plan, install, optimize, customize, and configure MoodleGuarantee a cutting-edge learning experience in a secure and customizable environment while optimizing your day-to-day workloadA one-stop guide with a problem-solution approach and a wide range of real-world examplesBook DescriptionMoodle is the de facto standard for open source learning platforms. However, setting up and managing a learning environment can be a complex task since it covers a wide range of technical, organizational, and pedagogical topics. This ranges from basic user and course management, to configuring plugins and design elements, all the way to system settings, performance optimization, events frameworks, and so on.This book concentrates on basic tasks such as how to set up and configure Moodle and how to perform day-to-day administration activities, and progresses on to more advanced topics that show you how to customize and extend Moodle, manage courses, cohorts, and users, and how to work with roles and capabilities. You'll learn to configure Moodle plugins and ensure your VLE conforms to pedagogical and technical requirements in your organization. You'll then learn how to integrate the VLE via web services and network it with other sites, including Mahara, and extend your system via plugins and LTI. By the end of this book, you will be able to set up an efficient, fully fledged, and secure Moodle system.What You Will LearnInstall and update Moodle on multiple platforms manually and via CLI and GITManage courses and categories, users and cohorts, as well as rolesGet Moodle hooked up to repositories, portfolios, and open badgesConfigure Moodle for mobile usage, accessibility, localization, communication, and collaborationGuarantee backups, security and privacy, and achieve maximum performance via the Moodle Universal Cache and the new cron systemConfigure the Moodle events system to generate comprehensive reports, statistics, and learning analyticsNetwork Moodle with Mahara and extend it with third-party add-ons and via LTICustomize Moodle web services to enable mobile learning and integration with other IT systemsAbout the AuthorAlex Buchner is the co-founder and technical director of the Platinum Totara, Moodle, and Mahara partner, Synergy Learning. He has been involved in system and database administration for more than two decades and has been administering virtual learning environments of all shapes and sizes since their advent on the educational landscape.Alex holds a PhD in computer science and an MSc in software engineering. He has authored over 50 international publications, including two books, and is a frequent speaker on Totara, Moodle, Mahara, and related open source technologies. His first two books on Moodle Administration by Packt Publishing have become the de facto standard on the topic.Table of ContentsMoodle InstallationThe Moodle SystemCourses, Users, and RolesCourse ManagementUser ManagementManaging Permissions â " Roles and

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