

SpectrumSCM® Version 3.0

SpectrumSCM

User Guide

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Purpose

The **SpectrumSCM User Guide** provides general and procedural information needed to make effective use of SpectrumSCM. It is intended to be used in conjunction with the Online Help, which contains detailed information about each of the SpectrumSCM screens, functions and commands.

Scope

This issue of the User's Guide applies to Version 3.0 of SpectrumSCM.

Intended Audience

This guide is intended for all users of the **SpectrumSCM system**.

Organization

Chapter 1, Introduction, provides an overview of the SpectrumSCM system.

Chapter 2, Installation, describes the installation and configuration of the SpectrumSCM components (server, UI client, Applet mode for web access), how to check server status, and how to start and stop the UI and server.

Chapter 3, SpectrumSCM Server and UI Configuration, describes the SpectrumSCM Server Configuration Wizard and the SpectrumSCM UI Configuration Wizard, and the scm.properties file.

Chapter 4, SpectrumSCM Main Screen, describes the SpectrumSCM Main Screen areas and functions, the toolbar, menus, and icons.

Chapter 5, User Management, describes how to setup SpectrumSCM user ids and passwords, define user roles / categories, and assign users to projects with their proper roles for that project. Users will also learn how to customize preferences for screen look and feel, fonts, and editors.

Chapter 6, Process Management, describes how to set up a project environment to support your development process, including setting up a project under SpectrumSCM, establishing the project life cycle, and creating a generic.

Chapter 7, Change Requests and Issue Tracking, describes the various fields in a change request form, how to create change requests, assign change requests to an individual for work, manage change requests, and use change requests to manager the work of a development effort. You will also learn how to customize change request attributes for each project.

Chapter 8, Version Control and Source File Management, describes how version control is managed by SpectrumSCM, how to check-out or extract files for read only or edit purposes, check-in files that were checked out, unlock a file, load an entire source tree, check-in a new file, do bulk check-in / check-out, and edit files using the default SCM editor or custom editor.

Chapter 9, Release Management, describes how describes how CRs are selected to create a release, how SpectrumSCM ensures the integrity of a release, and its automatic CR dependency checking. Additionally, Interim Releases (phase based development or testing type informal builds), and Package Management is also discussed in this chapter.

Chapter 10, Reports, describes how to execute and view predefined reports and how a user can create and save customized reports.

Chapter 11, Branching, Merging, and Recommoning, describes how to manage branching in SpectrumSCM, how to merge two different versions of a file, how to recommon two different versions of a file, and how to use the merge editor to merge and recommon files across branches.

Chapter 12, SpectrumSCM Administrative Functions, describes the SpectrumSCM system administration functions and some project-level administration functions accessible via the Administration menu option on the Main Screen.

Chapter 13, Command Line Interface, describes command-line functionality that allows simple tasks to be performed over ASCII terminals or via command prompt. It also allows reports and builds to be performed automatically using scripts.

Chapter 14, SpectrumSCM API Concepts and Usage, describes the event triggers and interfaces implemented by the SpectrumSCM API, which allows users of the system to construct automated workflow engines and external plugins

Chapter 15, LDAP Support for SpectrumSCM, describes the LDAP support in SpectrumSCM that allows users to authenticate against and import users from external LDAP server

Chapter 16, Graphs and Charts, describes how to execute and view predefined graphs and how a user can create and save customized graphs & charts.

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