

Updated on 12/04/2025

Register

Sanity Training

2 days (14 hours)

Overview

Sanity is a headless content management platform with a fully customizable Studio and real-time APIs. It allows you to centralize, structure, and distribute content to your web and mobile applications.

Our Sanity training will teach you how to model your content, configure a custom Studio, and integrate your data on the Next.js/React front end with GROQ, previewing, and visual editing. You will learn how to secure access, manage roles and permissions, and industrialize your deployments.

You will learn how to optimize your queries, leverage CDN and images, set up efficient editing workflows, and automate CI/CD.

By the end of the training, you will be able to install and configure Sanity Studio, understand its architecture and multi-tenant strategies, and deploy a modern and reliable publishing workflow.

Like all our training courses, this one uses the latest version [v4.3.0 of Sanity io](#).

Objectives

- Design a robust content model
- Customize Sanity Studio
- Query via GROQ and Sanity APIs
- Integrate a Next.js/React front end
- Set up RBAC, security, and workflows
- Deploy and industrialize

Target audience

- Full-stack developers
- Web integrators
- Web project managers
- Product owners
- DevOps

Prerequisites

- Basic knowledge of JavaScript/TypeScript
- React/Next.js concepts recommended
- Knowledge of REST/GraphQL APIs and Git

Our Sanity training program

[Day 1 - Morning]

Content model and Sanity fundamentals

- Understanding the Composable Content Cloud and Sanity Studio architecture
- Key concepts: schemas, document types, references, portable text
- Organizing datasets, environments, projects, and permissions
- Structuring a maintainable schema (aliases, options, validations)
- Strong typing and naming best practices
- Hands-on workshop: Creating a "Blog + Author + Categories" template.

[Day 1 - Afternoon] Customizing

Sanity Studio

- Desk structure tree and custom views
- Advanced fields: arrays, block content, custom inputs
- Actions and document badges; editing hooks & callbacks
- Plugin and UI management (theme, icons, branding)
- Editing workflow (draft/publish, comments, tasks)
- Hands-on workshop: Custom desk, alert banner, and preview.

Querying and displaying data

- GROQ queries: filters, projections, joins, pagination
- Content Lake API (read), Mutations (write), and Webhooks
- Images & assets: pipeline, CDN, image transformations
- Security: tokens, CORS, access rules, and best practices
- Observability: logs, quotas, query optimization
- Hands-on workshop: Building a GROQ "list + detail" query ready for the front end.

[Day 2 - Morning]

Front-end integration

- Next-sanity & @sanity/client kits; ISR/SSG/SSR
- Portable Text: rich rendering, serializers, custom components
- Real-time preview, draft mode, and visual editing
- Cache strategies (CDN, revalidation) and performance
- End-to-end testing on content pages
- Hands-on workshop: Blog page with Portable Text rendering and preview.

[Day 2 - Afternoon]

Governance, quality, and operations

- Roles and permissions (Admin vs. Editor) and access control
- Team conventions, schema linters, reusable validations
- Content migrations and CLI tools
- Deployments, preview environments, and feature branches
- Backups, restoration, and versioning strategy
- Hands-on workshop: GitHub Actions pipeline and validation rules

Industrialization and multi-tenant architecture

- Multi-tenant strategies: Choosing between separate workspaces, datasets, or projects
- **Studio configuration:** Implementing multiple workspaces in sanity.config.ts
- Data architecture: Isolation vs. shared content (cross-dataset references)
- Internationalization (i18n): Document vs. field-level strategies
- Production Deployment: Security, Performance, and Observability Checklist
- Hands-on workshop: Create a multi-workspace configuration with separate datasets.

Target companies

This training is intended for both individuals and companies, large or small, wishing to train their teams in a new advanced IT technology or to acquire specific business knowledge or modern methods.

Positioning at the start of training

The positioning at the start of the training complies with Qualiopi quality criteria. Upon final registration, the learner receives a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and discussion sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been correctly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training course.