

Updated on 12/08/2025

Sign up

Nextcloud Training

2 days (14 hours)

Presentation

Nextcloud is an open-source content collaboration and file synchronization platform. It offers Files, Talk, Calendar and an ecosystem of extensible apps.

Our Nextcloud training course will enable you to install and configure an on-premise server, integrate the LDAP/SSO directory, secure shares and connect external storage (S3, SMB, NFS).

You'll also learn how to activate collaborative editing with Collabora/OnlyOffice, automate workflows via Flow and monitor performance and backups.

At the end of this course, you'll be able to operate Nextcloud in production with clear governance and proven hardening practices.

As with all our training courses, this one will introduce you to the latest stable version of [Nextcloud 32](#).

Objectives

- Deploy and configure a production-ready Nextcloud server
- Integrate LDAP/SSO and master permissions/shares
- Connect external storage (S3, SMB)
- Enable co-editing and automate with Flow
- Set up backups, monitoring and hardening

Target audience

- System administrators

- Platform engineers
- IS integrators

Prerequisites

- Linux administration basics
- Web and SQL knowledge

Nextcloud training program

Discovering Nextcloud & architecture

- Self-hosted vs. SaaS positioning, components : Nextcloud Server, Apps, Web/Mobile/Desktop clients
- Architecture: PHP-FPM, Nginx/Apache, MariaDB/PostgreSQL, Redis, cron
- Installation modes: VM, Docker/Podman, snap package
- Basic security: TLS, reverse proxy, HSTS, password policy
- Workshop: mapping target architecture and infra requirements

Installation & initial configuration

- Deployment via Docker Compose
- config.php settings: trusted_domains, datadirectory, memcache
- Admin creation, cron/background jobs, scheduled tasks
- Theme, light branding, essential apps enabled
- Workshop: putting a functional Nextcloud POC online

Users, groups & SSO

- Users, Groups, Circles management; password policies
- LDAP/AD directory: provisioning, attribute mapping
- SSO/SAML (Keycloak, AD FS, Entra ID) and OAuth2
- Fine-grained permissions: shares, public links, expirations, basic DLP
- Workshop: connecting LDAP and testing an SSO flow

Storage & continuity

- Data directory, quotas, server-side encryption
- External storage: S3-compatible, NFS/SMB, Swift
- Backup & restore (files + DB), snapshots, retention strategy
- Supervision: occ maintenance, logging, auditing
- Workshop: connecting S3 storage and restoring a backup

Collaboration & office apps

- Nextcloud Files, Talk, Calendar, Mail, Deck
- Co-publishing with Collabora Online or OnlyOffice
- Automated workflows, webhooks, WebDAV/CalDAV/CardDAV
- Advanced security: 2FA, app passwords, File Access Control
- Workshop: activating Collabora and co-editing a document

Performance, supervision & production startup

- Caches (Redis, OPcache), Preview Generator, background jobs
- Hardening: CSP, rate limiting, fail2ban, SSRF/XSS mitigations
- Monitoring (Prometheus exporters), dashboards & alerts
- Go-live: reverse proxy, backup/restore plan, upgrade/roll-back
- Workshop: go-live checklist + DRP

Companies concerned

This training course is aimed at 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 on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire enabling us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the forthcoming course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical training: 60% hands-on, 40% theory. Training material distributed in digital format to all participants.

Organization

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

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Certification

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

