

Telegram Security and Privacy

Telegram security and privacy. Encryption, secret chats, and bot security best practices.

DevOps Instructor: Derek Holtzman • 5 sections • 46 lessons • 15.00h total

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About this course

This course covers Telegram security and privacy. You will learn about end-to-end encryption, secret chats, bot security best practices, and how to protect user data when building Telegram applications.

Course curriculum

Foundations and Security Setup

- **Understanding Telegram's Security Landscape (12m)**
Learn the key security features and common risks in Telegram to set a strong foundation for your privacy.
- **Configuring Privacy Settings Step-by-Step (18m)**
A practical guide to adjusting who can see your phone number, last seen, and profile photo for better privacy.
- **Setting Up Two-Step Verification (9m)**
Follow along to enable an extra layer of security that protects your account from unauthorized access.
- **Managing Active Sessions and Devices (14m)**
Learn how to review and terminate sessions on unknown devices to keep your account secure.
- **Secret Chats vs. Regular Chats: What to Use (11m)**
Compare the encryption and features to decide when to use secret chats for sensitive conversations.
- **Avoiding Common Telegram Scams and Phishing (16m)**
Real case studies of scams and step-by-step tips to recognize and avoid malicious links or messages.
- **Backup and Recovery Options for Your Account (13m)**
Understand how to securely back up your data and recover access if you lose your device.

Core Concepts of No-Code Bot Creation

- **How No-Code Bot Platforms Work (20m)**
An overview of popular no-code tools like ManyChat and Chatfuel, and how they connect to Telegram.
- **Choosing the Right No-Code Tool for Your Needs (15m)**
Compare features and pricing to pick a platform that fits your team's goals without coding.
- **Creating Your First Telegram Bot Without Code (25m)**
Step-by-step walkthrough to set up a basic bot for sending automated messages or notifications.
- **Designing Bot Flows and User Interactions (18m)**
Learn to map out conversation paths and create simple menus for users to engage with your bot.
- **Integrating Bots with External Services (22m)**
Connect your bot to tools like Google Sheets or Zapier for data collection and automation.
- **Testing Your Bot: A Practical Checklist (12m)**
Use a real case study to test bot responses and fix common issues before going live.
- **Launching Your Bot to a Group or Channel (14m)**
A guide to adding your bot to Telegram groups or channels for team or audience use.
- **Basic Security for Your No-Code Bot (17m)**
How to protect your bot token and set permissions to avoid misuse or data leaks.
- **Handling User Data Responsibly (19m)**
Practical steps to ensure compliance with privacy laws when your bot collects information.

Deep Dive into Bot Features

- **Building a Survey Bot for Team Feedback (28m)**
Create a no-code bot that collects responses anonymously, with a downloadable template.
- **Setting Up Automated Reminders and Alerts (24m)**
Use no-code tools to send timely notifications for meetings or deadlines to your team.
- **Creating a FAQ Bot for Customer Support (31m)**
Design a bot that answers common questions, reducing manual support time.
- **Integrating Payment Systems into Your Bot (26m)**
A step-by-step guide to adding payment options for e-commerce or donations without code.
- **Using Bots for Data Collection and Analysis (22m)**
Learn to gather user input and export data for insights, with a real business case study.
- **Customizing Bot Responses with Dynamic Content (19m)**
Make your bot smarter by using user data to personalize messages and interactions.
- **Problem-Solving Session: Fixing Common Bot Errors (15m)**
Troubleshoot issues like failed messages or integration errors with practical examples.
- **Scaling Your Bot for Larger Audiences (23m)**
Tips to handle more users and maintain performance as your bot grows.

Advanced Application and Privacy Enhancements

- **Advanced Privacy Settings for Bots and Users (20m)**
Deep dive into hidden Telegram settings to maximize privacy for your entire team.
- **Building a Multi-Step Bot for Complex Workflows (32m)**
Create a bot that guides users through a series of steps, like onboarding or registration.
- **Using Bots for Secure File Sharing (18m)**
Set up a bot to share documents with encryption and access controls without coding.
- **Automating Group Management with No-Code Bots (25m)**
Learn to welcome new members, enforce rules, and moderate discussions automatically.
- **Integrating Bots with CRM Systems for Sales (29m)**
Connect your bot to tools like HubSpot for lead generation and follow-ups.
- **Privacy-First Bot Design: Anonymity and Consent (21m)**
How to build bots that respect user privacy, with examples from real projects.
- **Monitoring Bot Performance and Security Logs (17m)**
Use no-code dashboards to track usage and detect potential security issues.
- **Case Study: A Marketing Team's No-Code Bot Success (27m)**
Analyze a real team's bot that increased engagement while protecting data.
- **Future-Proofing Your Bot: Updates and Maintenance (14m)**
A checklist for keeping your bot secure and functional as Telegram evolves.
- **Legal Considerations for Bot Data in Different Regions (22m)**
Understand GDPR and other laws to ensure your bot complies globally.

Implementation and Next Steps

- **Planning Your Bot Project: From Idea to Launch (16m)**
A step-by-step guide to define goals, scope, and timeline for your first bot.
- **Creating a Security Checklist for Your Telegram Setup (13m)**
Downloadable template to audit and improve your privacy settings regularly.
- **Building a Team Bot for Internal Communication (24m)**
Design a bot that streamlines updates and announcements within your organization.
- **Launching a Customer-Facing Bot for Support (28m)**
Go live with a bot that handles inquiries, with a focus on user experience and privacy.
- **Measuring Bot Success: Key Metrics to Track (19m)**
Learn to use analytics to improve your bot's performance and security over time.
- **Troubleshooting Real-World Bot Issues (21m)**
A problem-solving session with common scenarios from professionals like you.
- **Scaling Your No-Code Bot to Enterprise Level (30m)**
Advanced tips for handling high traffic and integrating with other business systems.
- **Community Resources and Further Learning (10m)**
Where to find templates, forums, and updates to keep your skills sharp.
- **Final Project: Build Your Own Secure Bot (35m)**
Apply all lessons to create a custom bot, with a downloadable project plan.
- **Next Steps: Maintaining and Evolving Your Bots (12m)**
A roadmap for continuous improvement and security updates for your Telegram tools.
- **Bonus: Quick Wins for Immediate Security Improvements (8m)**
Fast, actionable tips to secure your Telegram account and bots right now.
- **Q&A: Common Questions from Course Participants (15m)**
Address real questions and scenarios from learners to reinforce key concepts.

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