

# Invite Manager – A Discord Invite Tracker Bot

## What is an Invite Tracker Bot?

An invite tracker bot helps server owners and moderators **track who invited whom** into the server. It attributes each new member to the inviter, allowing you to manage reward systems, identify fake invites, and view a **leaderboard of top inviters**.

Think of it as:

“Hey! Who brought all these people in here? Let’s give them credit!”

This bot is especially useful for **communities, giveaways, promotions**, and **growth campaigns** where you want to reward your most loyal members.

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## Inspiration Bot

This bot takes inspiration from the functionality of **Invite Tracker** and **Invite Manager** from [Top.gg](https://top.gg), aiming to provide a **simpler, fully slash-command-based** alternative.

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## What My Bot Does

This Invite Manager bot tracks invites by monitoring `invite_create`, `invite_delete`, and `member_join` events. It:

- Stores invite codes along with their usage
- Updates invite counts in real-time when members join
- Maintains a persistent mapping of who invited whom
- Supports powerful slash commands for users and mods alike

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## Bot Features (Slash Commands Only)

`/invites`

See how many users *you* have invited and who they were.






`/clearinvites`

Allows server admins to reset invite data if needed. (*Optional*)

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## Why This Bot is Better

Compared to older bots that use `!prefix` commands or require external dashboards:

-  **Slash Command Based:** Uses Discord's modern interaction UI
  -  **Persistent Data:** Stores data locally in a JSON file
  -  **Accurate Tracking:** Uses invite codes to trace each member
  -  **Secure:** Supports Discord intents properly
  -  **Customizable:** Easily extendable with rewards, roles, logging
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## How Invite Tracking Works

### When a User Joins:

1. The bot checks all current invites and compares with the last known snapshot.
2. The invite with increased usage is assumed to be the one used.
3. The inviter is stored and credited with the join.

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## Technology Stack

- 🐍 **Python 3.x**
  - ⚙️ **discord.py v2.x** (with `app_commands` for slash commands)
  - 🧠 **JSON** for persistent storage (can be upgraded to MongoDB or SQLite)
  - 🗝️ **Privileged Gateway Intents** enabled for member tracking:
    - Server Members Intent
    - Invite Tracking Intent
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## Conclusion

Building this Invite Tracker Bot helped me:

- Understand how invite codes and Discord events work
- Use `discord.py`'s new `app_commands` and slash command system
- Implement persistent JSON storage
- Track user-level metrics for community engagement

🎯 This is more than just a tracker — it's a **foundation for invite-based rewards and gamification** for any server.