

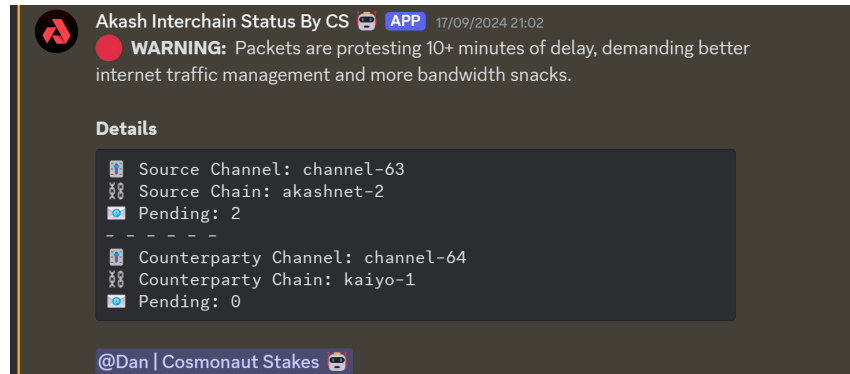
IBC Monitoring Bot - Functionality Breakdown

This document intends to showcase the functionality of the IBC Monitoring Bot developed by [Cosmonaut Stakes](#).

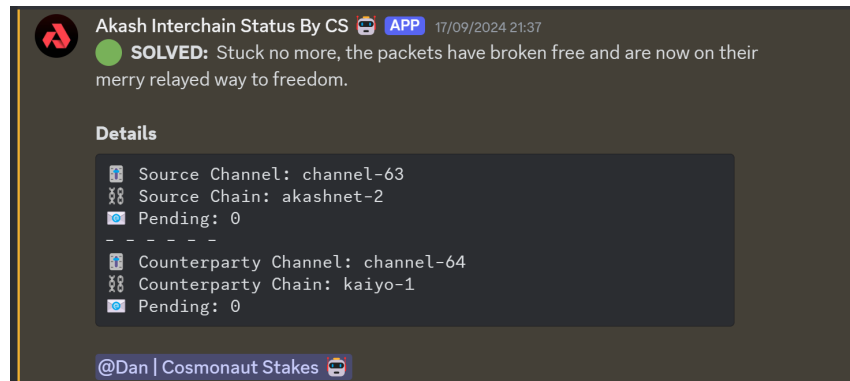
1. **ALERTS** - automatically triggered and sent to the designated Discord channel whenever:
 - a. A monitored channel has stuck commitment packets on either the source chain, or the counterparty chain. A commitment packet is considered “stuck” when it hasn’t been relayed in more than X minutes (*configurable, i.e. 30 minutes*).

There are 2 types of alerts:

- i. The first alert is a “warning”, informing relayers of 1 or more stuck commitment packets that need to be relayed.



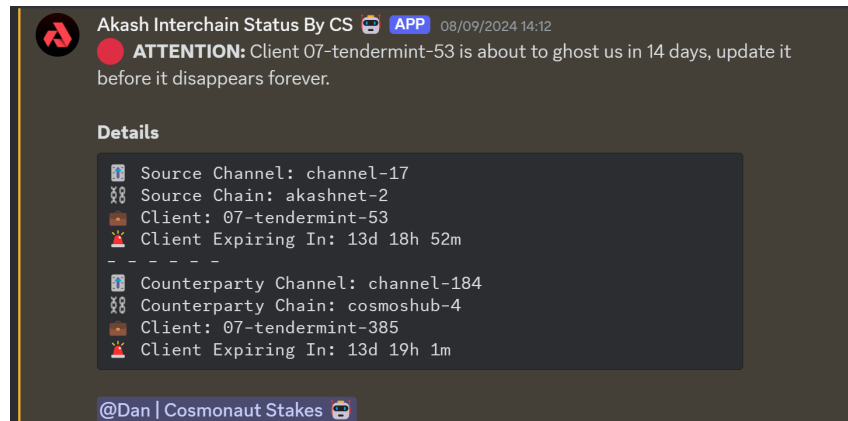
- ii. When/if the warning is cleared (*meaning the packets have been relayed*) a “solved” alert is sent, informing relevant relayers that the path in question is now healthy again.



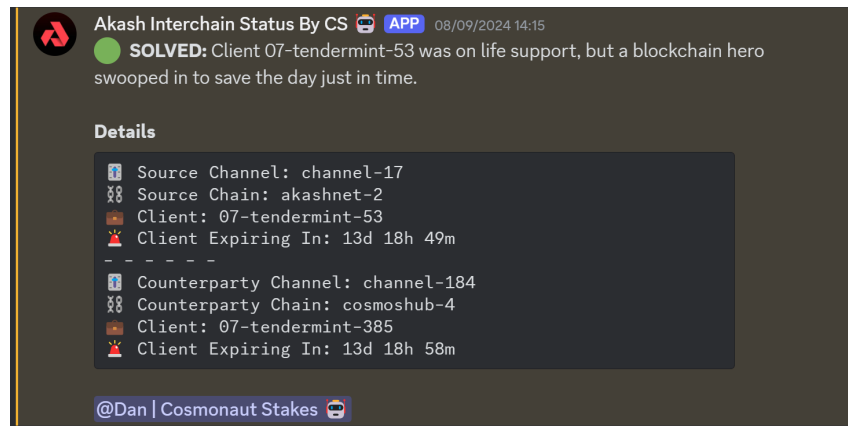
- b. An IBC client (*either on the source chain or the counterparty chain*) is going to expire in X days (*configurable, i.e. 3 days*).

There are 2 types of alerts:

- i. The first alert is a “warning”, informing relayers of the client expiring in X days.



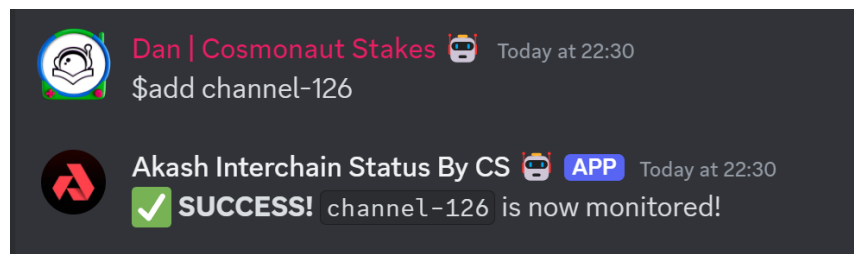
- ii. When/if the warning is cleared (*meaning the client has been updated*) a “solved” alert is sent, informing relevant relayers that the client in question is now updated and isn’t close to expiring.



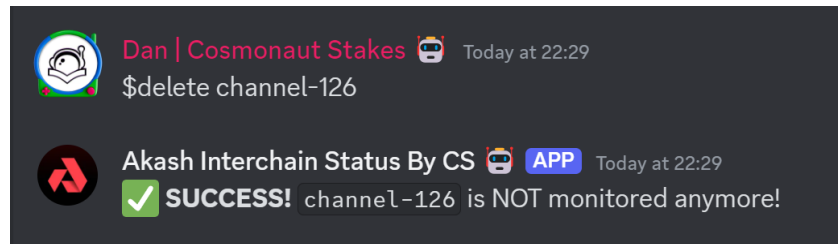
2. **COMMANDS** - used to manage the bot and retrieve relevant information:

a. Manage Channels

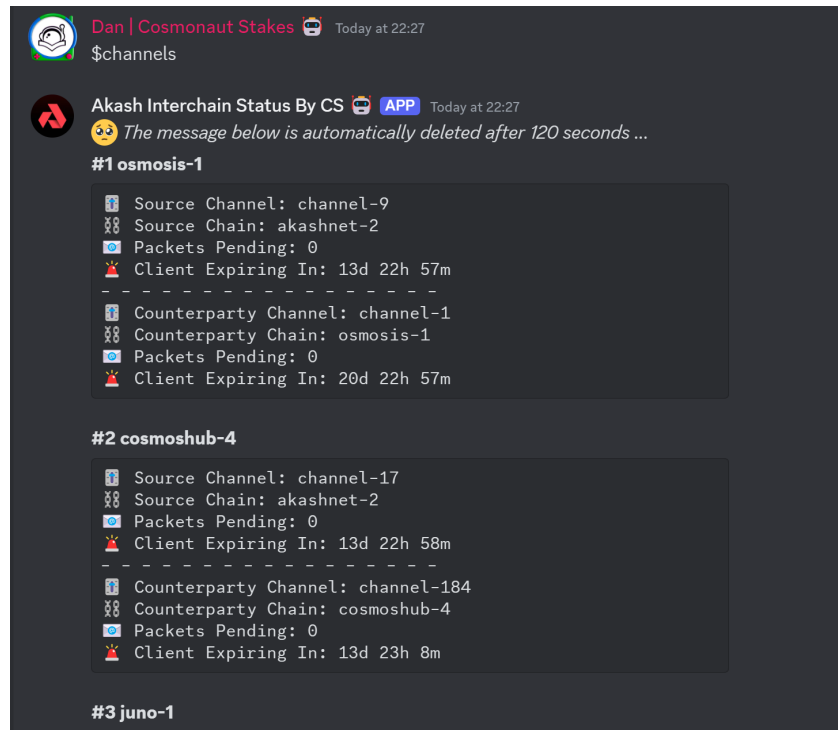
- i. Add (*only available to the Cosmonaut Stakes team, as prior configuration need to be done*)



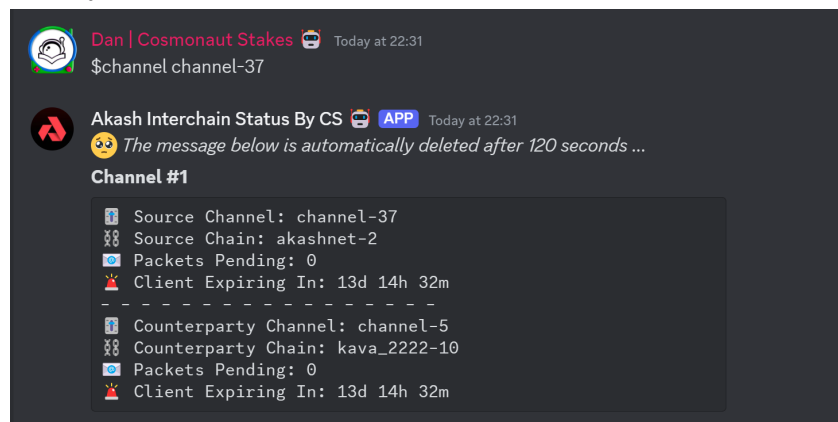
- ii. Delete (only available to the Cosmonaut Stakes team, so possible malicious intents from external parties are controlled)



- iii. Display all monitored channels

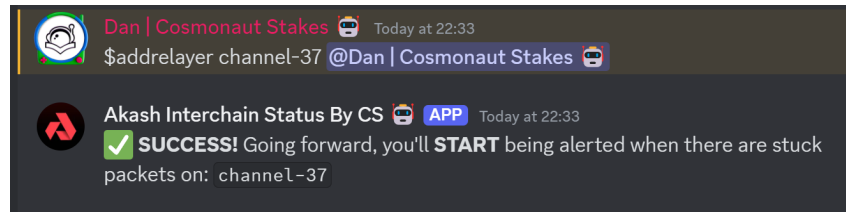


- iv. Display specific channels

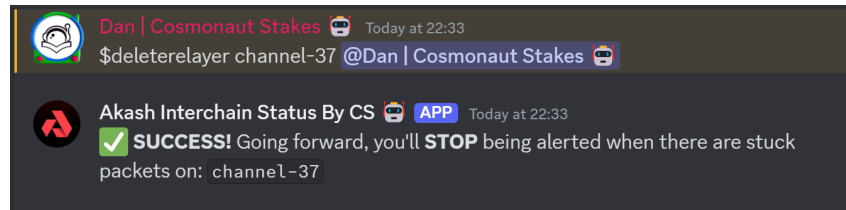


- b. Manage Discord Usernames to relevant channels, so relayers get notified when there's stuck commitment packets or clients are about to expire.

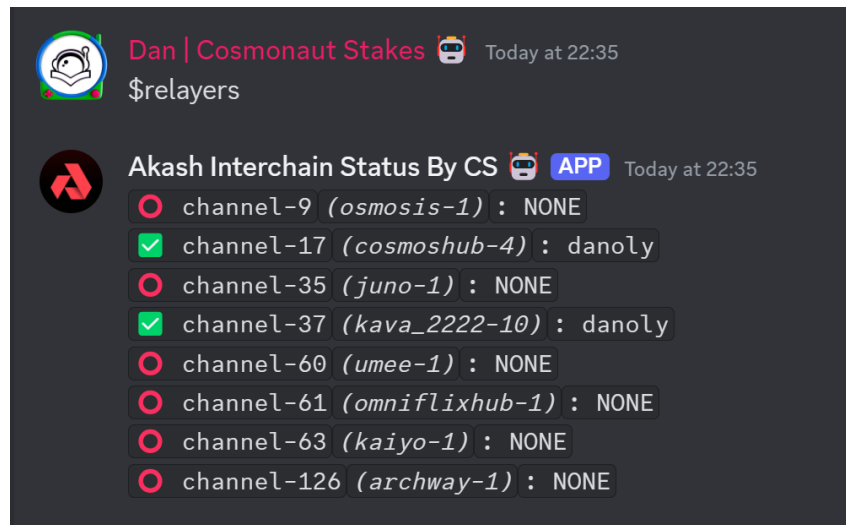
i. Add Relay



ii. Delete Relay



iii. Display all saved relayers



c. Get a breakdown of all the bot's functionality:

