Chatbot for Waldur

About
Waldur is an open-source platform for creating marketplaces and self-services. It is used among other things as a platform for Estonian Government Cloud (riigipilv.ee) and Estonian Scientific Computing Infrastructure (etais.ee).

Idea
The idea of the project is to create a chatbot that would allow to use Instant Messaging (Fleep, RocketChat, Slack) to ask management level questions from a Waldur-based system about the cloud services and receive output in human-friendly ways and diagrams.

For example, the following queries could be supported:

- “Hi Waldur, can you tell me how many people are working for my projects? And how many of them are from University of Tartu?”
- “Can you explain me where does the money go every month”?
- “How many new organizations have registered this month / year?”
- “Can you show me how active are my team mates”?
- “We had an issue yesterday with website not working. Do you know anything about it”?

Technical
The technical implementation is left to the team, however it is much preferred to be based on open-source tools. Waldur is exposing REST API that is capable of returning answers to all those questions, so a chatbot would be concentrating on text2rest and rest2text conversion.

Base language is English, however multi-lingual support would be very cool to have

Legal and reward
As an open-source project we expect outcomes of the project to be published under MIT license in GitHub. A company behind Waldur’s development - OpenNode - is offering a reward of 500 EUR for a successful project completion.

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