Node-RED
Evaluation Lab

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Your Bot!

- You are to implement a Telegram bot using Node-RED capable of answering **two queries**
  - Return the weather forecast in Milano or Rome in one or two days based on OpenWeather data
  - Return the wind forecast speed in Milano or Rome in one or two days based on OpenWeather data
- For every query, the bot should also tell **whether the forecast changed** since the last time it was asked the same information
  - Regardless of the user who asked
- Every minute, the bot should also store on a local file **how many queries** it served of either type in the last minute

Examples

- **User**: "What tomorrow's forecast in Milano?
  Bot: "Tomorrow's forecast for Milano is few clouds! It is the same as the last time I was asked!"
  - Taken from payload[x].weather[y].description
- **User**: "What's the expected wind speed in two days in Rome?"
  Bot: "Expected wind speed in Rome in two days is 0.35! It changed since the last time I was asked!"
  - Taken from payload[x].wind.speed

Assumptions

- You can format the queries the way you like
  - But you **must** format answers too!
- You can assume the bot is installed on a Node-RED machine that is up 24/7

Rules

- Complete the README.md file with
  - Your group identifier
    - From the group registration document
  - Name of each group member
  - A 200-word (max) description of the message flows in your solution
    - What node sends what message to what other node, when, …
  - List of extensions possibly used besides the ones seen during the regular labs
  - URL of your bot, to be used by a regular Telegram client
  - API key of your Telegram Bot
- Submit a single zip file with **only** the flow file and README.md
  - Remove everything that is not the project you want to submit
    - Other flows in different tabs, notes, …
  - Name of the file: nodered-groupXX.zip
    - XX is the group identifier from the group registration document
  - Submit by the user corresponding to the contact email specified in the group registration document
- Failure to stick to these rules yields a detraction of one point