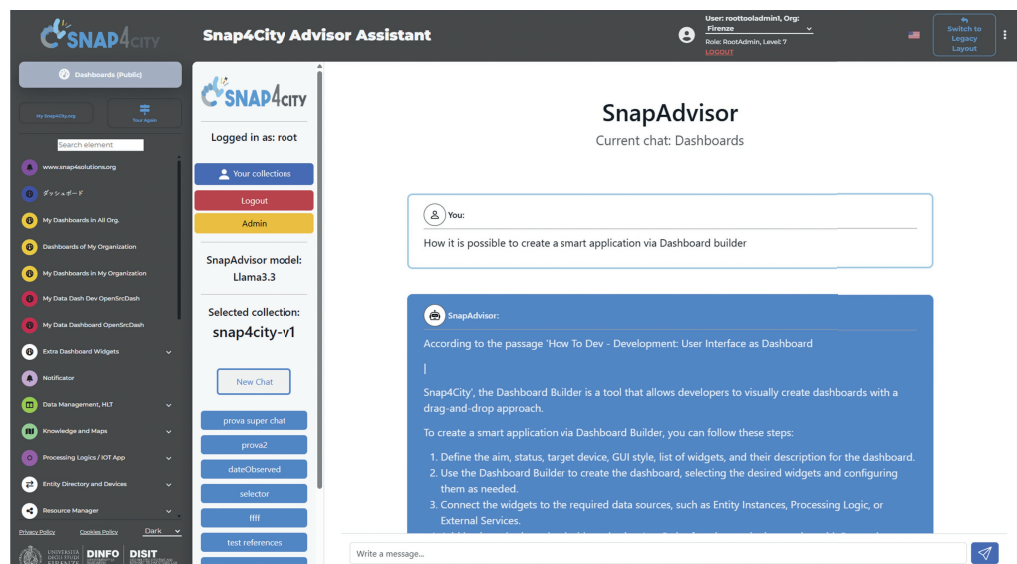




# SnapAdvisor: The Expert on your private content at your disposal H24/7

**SnapAdvisor** of Snap4City is a multilingual chat-based virtual AI assistant which can be tailored on your domain by providing a content based on PDF documents, PDF slides, coding, and web pages. SnapAdvisor preserves the privacy since it uses the content you provide to perform temporary in the reserved chat you establish with it, and not use the data/files and chants to perform additional training. It can answer in your language, even if the content has been provided in other languages.

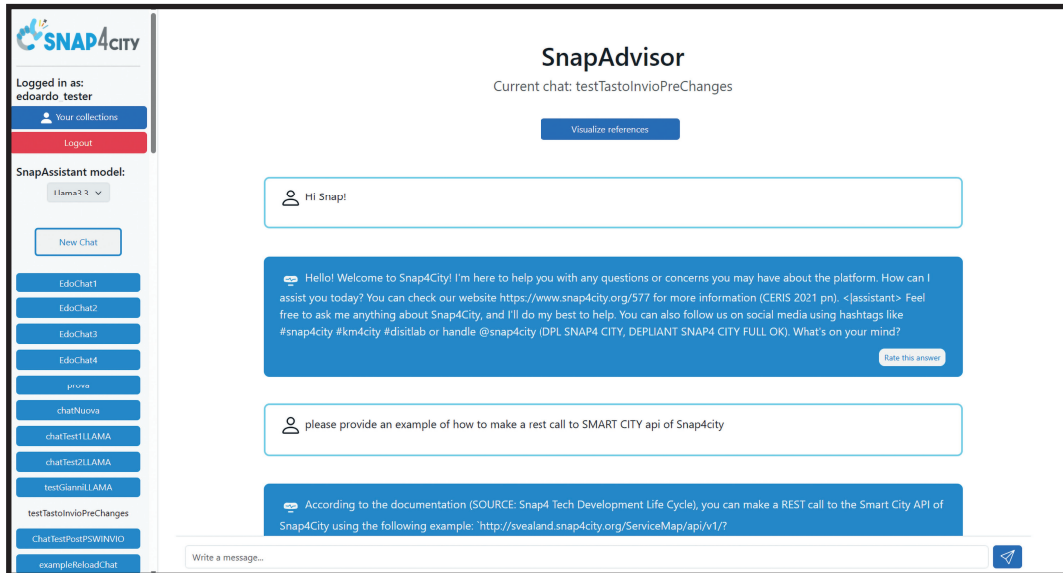
SnapAdvisor can be classified as an Advanced RAG (retrieval-augmented generation) built by the DISIT Lab on top of Llama 3.3/4 Large Language Models, LLM, and can be put at work on other LLMs.



**SnapAdvisor** key advantages of are: (i) working on up-to-date content and thus producing answers: pulls the latest docs records without retraining the model, great for policies, catalogues, dashboards, tickets, etc.; (ii) lower hallucinations: responses cite retrieved passages, keeping the model anchored to verifiable text, also providing text references and segments; (iii) domain control: you can decide the knowledge base (internal wikis, PDFs, APIs), easy to scope different “skills” by data set (which are called collections in SnapAdvisor terminology); (iv) cost & speed vs. fine-tuning: no expensive retraining, update results by updating the index, may also work with a smaller/cheaper LLM; (v) explainability capability, which is very important for ethics and decision makers, but also for trainers and producing reports: the user receive answers with references to its own provided sources (for example “see document XXX at page 3...”), which helps users trust the output and prepare reliable reports; (vi) compliance & governance: it is possible to restrict retrieval to approved content, also apply access controls per user or team; (vii) personalization: retrieve user- or tenant-specific context (their contracts, past interactions) at runtime, select specific documents from a set of them; (viii) multilingual via content: your corpus has multiple languages, retrieval naturally feeds the model the right language passages of the chat; (ix) modularity: it is possible to pass from one collection of documents to another, select specific docs, and multiple users can work on the advisor asking for different topic on different collections/domains at the same time, independently as needs change, without any interferences among them; sharing the same knowledge with different your colleagues; (x) providing results in different languages and with fancy formats as itemizes, fonts, tables, headings.

Examples of domains and communities presently on SnapAdvisor are:

- **Sna4CityAdvisor**: for developers and promoters knowing all Snap4City and DISIT Lab literature, articles, manuals, slides, codes, etc. The SnapAdvisor with this skill is accessible only for selected Snap4City users. It allows users of saving a lot of time by providing answers to facilitate the development of smart solutions, to the exploitation of Snap4City tools, and recently on data and services accessible on the platform, producing offers, etc.



- **Legal Advisor** is an expert on specific disputes at service of the Legal department of Careggi Hospital of Florence. The SnapAdvisor with this skill is accessible only for legal department of the hospital. It allows to save time in recovering precise information from complex legal documents, ordering of events, understanding causes and effects, producing reports, etc.
- **GolfAdvisor** is a tool for answering to complex queries about a sport discipline, the golf. Many books in multiple languages have been provided, they contained technical descriptions of the different gesture and actions, nevertheless the Advisor also help in the navigating on hundreds of page of rules and exception, supporting the trainers and the referees, especially on the course when the golf golfers are in the rush.
- **Operators** of a category of industrial machines, where in this case, a set of technical manuals can be provided to create the knowledge on which the Advisor may provide specific answers, also exploiting multimodal capabilities. Accessible only for that specific industry and their operators.
- **Commercial Advisor**: to help the commercial department by processing orders understanding them and preparing the offer, thus reducing the time to process them.
- etc.

**Extended version accessible from:** <https://www.snap4city.org/1116>  
**Contact:** <https://www.snap4city.org>