HOPEX Intelligence

User Guide

MEGA
SEE THE BIGGER PICTURE

HOPEX Aquila 6.1

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ABOUT HOPEX INTELLIGENCE

Integrated into the **HOPEX** platform, the **HOPEX Intelligence** suite offers automation and analysis functionalities enriched by artificial intelligence to facilitate the management of your enterprise architecture projects.

HOPEX Intelligence Functionalities

HOPEX Intelligence offers a range of pre-configured, customizable instructions for enterprise architecture inventory. These instructions are based on:

- Natural language processing (NLP) for data categorization
- Machine learning algorithms for classification
- Intelligent recommendation engines for proactive decision-making
- Generative AI for content creation

Application Detection in a List of Technologies (AI-Driven APM)

Once you have imported and standardized your software assets with IT-PEDIA, an enterprise architecture project requires you to distinguish between business applications and technologies.

Thanks to an AI analysis engine, **HOPEX Intelligence** automatically detects these business applications, helping enterprise architects to build an inventory of application and technology assets and their interdependencies.

The application detection tool analyzes all standardized **HOPEX** technologies and offers a recommendation for each one: it indicates whether the technology can be considered an application or just a technology, with a confidence level and a justification. Once applications have been identified, you can rename them and associate them with a portfolio and an application owner. Finally, the wizard updates the repository by creating the selected applications.

For more information, see Application Detection.

Application to Capability Matching (AI-Driven APM)

Once the detected applications have been created, **HOPEX Intelligence** recommend the most appropriate business capabilities for each of them, facilitating the construction of a Business Capabilities/Applications map for your organization.

See Connecting Applications to Business Capabilities.

Intelligent Process Modeling (AI-Driven Process Modeling)

HOPEX Intelligence automatically generates your BPMN models from a textual description, reducing the time and effort required for process modeling.

See Creating the diagram using the AI Assistant.

Conversational Interface (Hexa)

Hexa enriches the **HOPEX** user experience with a conversational interface, designed to understand and interact in any language.

The **Hexa**'s knowledge base includes:

- **HOPEX Aquila** solution documentation
- broader enterprise architecture documentation

See Hexa.

SECURITY AND CONFIDENTIALITY

HOPEX Intelligence improves team productivity while guaranteeing the security of sensitive enterprise architecture data.

Technology and security

HOPEX Intelligence leverages a generative broad language model (LLM), advanced machine learning capabilities for classification, natural language processing (NLP) capabilities, as well as an augmented LLM with RAG architecture and AI voice capabilities, all hosted in Azure AI Services.

By integrating with Azure OpenAI, **HOPEX Intelligence** takes advantage of advanced AI capabilities and benefits from Microsoft Azure's security features. This integration guarantees a secure and reliable AI experience for all users.

Data confidentiality

Your privacy and security are our top priorities. **HOPEX Intelligence** does not use user input or output data to train machine learning models.

We do not allow or authorize any third party to use your data to train their machine learning models. Your interactions with **HOPEX Intelligence** remain private.

HEXA

Hexa enriches the **HOPEX** user experience with a conversational interface.

This assistant interacts with users in any language to facilitate the use of **HOPEX** solutions.

With its knowledge base encompassing solution documentation and an extensive repository of enterprise architecture information, **Hexa** is designed to answer both detailed usage requests and questions on how to conduct your transformation projects.

Use cases

Creating and modifying diagrams

If you need to design a value stream model, create an application system scenario diagram, or modify the font in a diagram, simply initiate your query by describing your specific task.

Example

"How do I design a value stream model in HOPEX?" or "How do I change the font in a diagram?"

Hexa will guide you through the steps or direct you to the relevant tools within HOPEX.

Understanding concepts and differences

For queries that involve understanding specific concepts or differentiating between similar terms, like IT Networks vs. IT Architectures, type your question directly.

Example

"What's the difference between IT Networks and IT Architectures?"

Hexa will provide a detailed explanation to clarify these concepts.

Drafting new content

When you need to create new content, such as diagrams or architectural models, simply start by describing your needs.

```
Example

"I need to make a context diagram, what would be the best
model to define this diagram in AQUILA?"
```

Hexa will assist in selecting the appropriate model and guide you through the creation process.

Custom queries and help requests

For any specific or custom queries that do not fit the standard templates, feel free to ask directly.

Launching the Chatbot

Hexa is available in every **HOPEX** solution.

To open it:

1. On the **HOPEX** desktop, click the **Hexa, my AI assistant** button.
2. Log in to the community with your login and password.
   The **Hexa** appears.
3. In the box provided, enter your question and click the green arrow.

Copy

The **Copy** command copies the answer provided by **Hexa** into the chat. You can then share or save the content displayed.

Feedback

Using dedicated icons, you can share your experience and suggestions, useful for refining and improving the chatbot's performance:

- Thumbs up: for positive feedback.
- Thumbs down: for constructive criticism and sharing comments or ideas.

Clear Chat

The **Clear Chat** command deletes the conversation.

Tips on Writing Prompts

To obtain accurate and relevant information from **Hexa**, it's essential to be precise in your requests.

Here are some tips to help you write effective prompts and understand how the chatbot can meet your needs:

- ***Be specific***: if you have a specific question, give details such as your profile (e.g. enterprise architect, solutions manager), the solution you're referring to (e.g. IT Portfolio Management, BPA), and any relevant context.
- ***General questions***: for general questions on **HOPEX** functionalities or enterprise architecture concepts, mention that your question is general in order to get an overview.
- ***Ask for clarification***: if an answer is not clear, ask **Hexa** to "detail" or explain "why" a certain process or function is used.
- ***Ask to simplify***: if the answer is too technical, ask **Hexa** to "simplify" the answer.
- ***Ask to refine***: if the information doesn't quite meet your needs, tell **Hexa** it "doesn't suit you": **Hexa** will reformulate the answer or provide alternative explanations.
- ***Language flexibility***: **Hexa** is multilingual. Feel free to ask questions in any language, and **Hexa** will respond accordingly.

Examples of prompts

Here are some examples of effective prompts:

- ***Specific request***: "As an IT portfolio manager using HOPEX IT Portfolio Management, how can I effectively match my company's technology to the business capabilities?"
- ***General question*** : "I'm new to enterprise architecture. Can you give me a general explanation of the value of IT portfolio management in HOPEX?"
- ***Multilingual support*** : "¿Cómo puedo gestionar la privacidad de datos en HOPEX?" ("How to manage data confidentiality in HOPEX?").