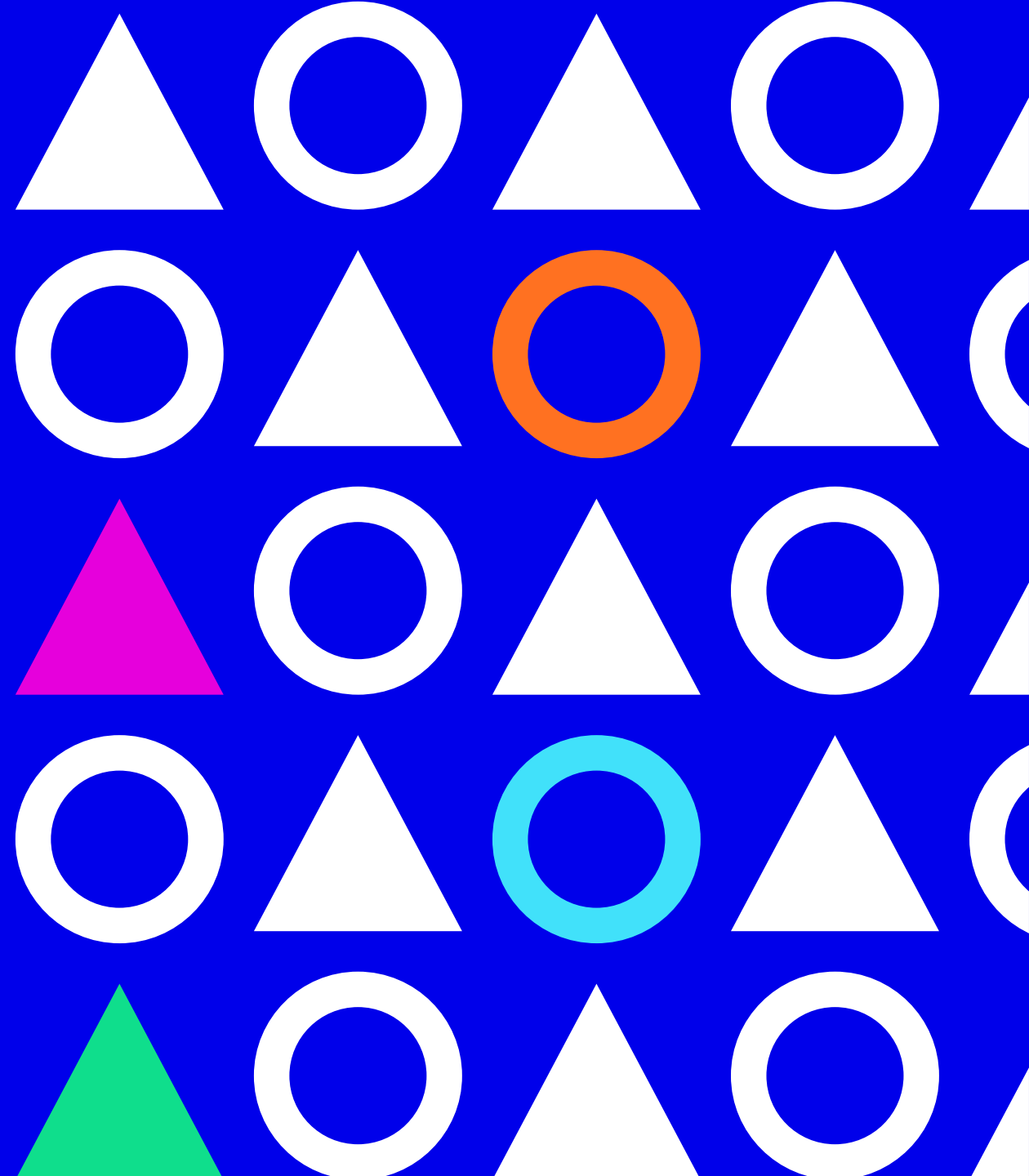


# 8020 Agent

A secure, efficient and  
customizable enterprise AI

8020 Consulting GmbH



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# Why the 8020 Agent?

Existing AI tools like ChatGPT, Gemini, and Claude have significant drawbacks that can hinder enterprise operations. To fully leverage the potential of AI technologies, these challenges must be addressed.

## Data security risks

- Sensitive data processed by AI tools can be utilized for further model training.
- Data is accessible by the provider, posing risks of unauthorized access or leaks.
- Potential exposure of trained models and data leaks could result in sensitive information being publicly accessible.

## Lack of customization

- Broad AI models are not completely tailored to specific enterprise needs.
- Compromises in effectiveness lead to wasted potential and suboptimal utilization.
- Enterprises require solutions that specifically address their unique use cases and requirements.

The need for a secure, customizable alternative is clear. The 8020 Agent addresses these challenges by processing sensitive data within a closed system and tailoring its functionalities to meet specific enterprise needs, maximizing both security and efficiency.

# How does the 8020 Agent work?

The 8020 Agent is designed to enhance enterprise efficiency and quality through secure and customizable AI-driven solutions. Here's an overview of how it operates and ensures optimal performance.



## Closed system for data security

- The 8020 Agent operates within a closed system, ensuring that sensitive data is securely processed without external access.
- Data security measures prevent unauthorized access and data leaks.
- Sensitive information is not used for further AI model training, ensuring privacy and safety.

## AI-driven functionalities

- Utilizes advanced AI models to perform tasks such as general inquiries, answering questions, drafting texts, translations, research, and decision support.
- Can reliably process uploaded documents, search them, summarize, compare, and analyze the content.

## Customization and adaptability

- Tailored to specific enterprise use cases, allowing for flexible customization.
- Easily adaptable for unique requirements, ensuring optimal integration with existing workflows.
- Regular updates and improvements based on user feedback ensure the tool remains effective and efficient.

# Core features and functionality

The 8020 Agent provides a comprehensive suite of features designed to enhance productivity and ensure secure data handling. Here are the core functionalities that come out-of-the-box with the tool.

## User management

- Robust user authentication for secure access.
- Integration with Microsoft Single Sign-On (SSO) for streamlined user access..

## Secure data storage

- Encrypted data storage to ensure information security.
- Measures to prevent unauthorized data access and breaches.

## Secure AI model

- Integration with a secure AI model ensures private and reliable AI operations.
- Processing sensitive data without risk of exposure.

## Chat interface

- User-friendly chat interface with response streaming for real-time feedback.
- Automatic threads to save chats and improve usability.

## Project structure

- Features to save and structure chats within project frameworks.
- Efficient categorization and management of conversations.

## Document handling

- Capabilities to store, and process documents securely.
- Reliable document handling in chat with citations (e.g. search, summarize, compare, analyze).

## Document generation

- Generate various document types in chat: PDF, PowerPoint, Word, Excel.
- Streamlined workflows for creating and managing documents.

## Web application

- Fully implemented as a web app accessible directly in the browser.
- Easy access from any device without additional installation.

# System architecture

The 8020 Agent is a web application that uses advanced AI technology to interact with users.

It includes a user-friendly frontend built with **Next.js** that provides fast and smooth experiences.

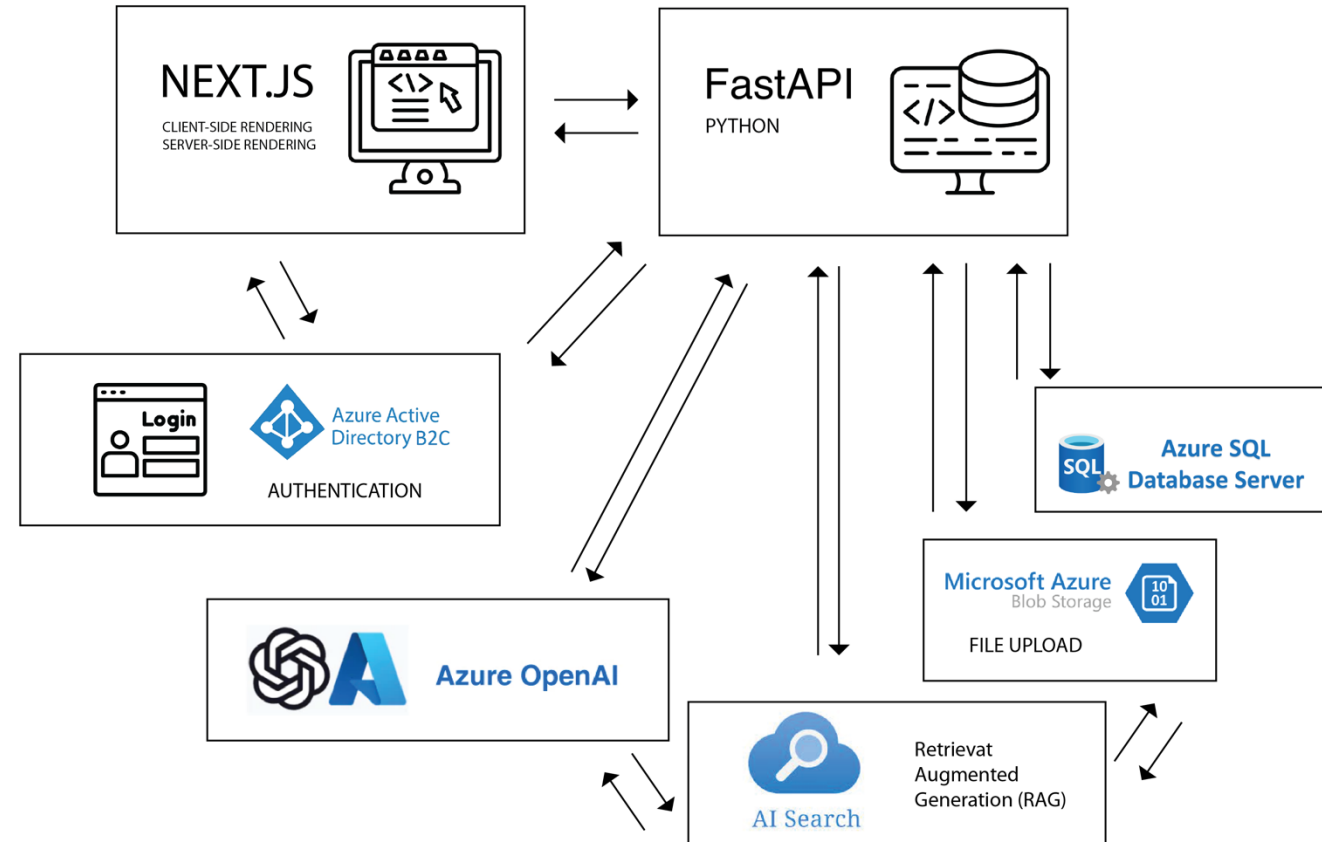
Users log in securely through **Azure Active Directory B2C** for authentication.

The backend, powered by **FastAPI**, processes requests and communicates with different services, including an AI assistant using **Azure OpenAI**.

This assistant helps provide intelligent responses and information by utilizing data stored in **Azure SQL Database** and files managed in **Azure Blob Storage**.

Additionally, the AI can search through large amounts of data (like Sharepoint) to provide more relevant and accurate answers.

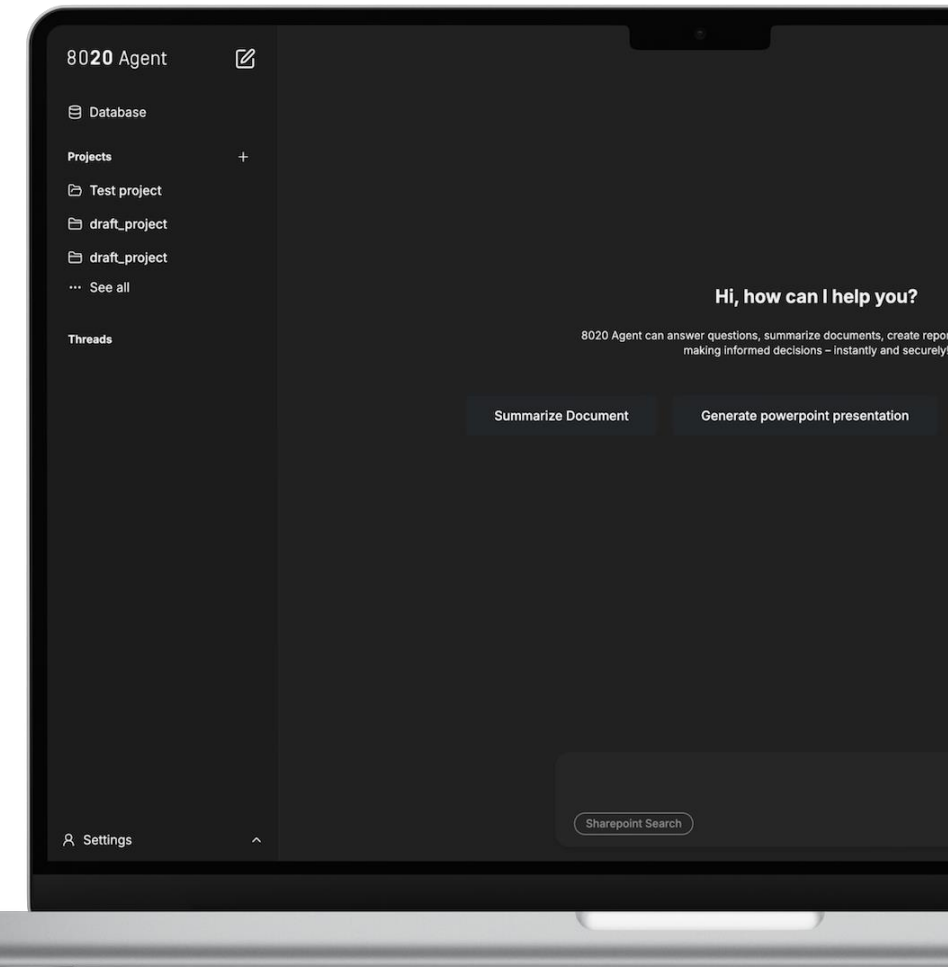
This setup ensures a seamless and powerful experience for users while keeping everything secure and efficient.



# Potential customizations

We understand that every enterprise has unique needs and challenges. The 8020 Agent can be customized to specific use cases to fully leverage the potential of AI in an efficient and secure way. This includes customizations of the current functionalities and user interface, as well as further developments and additions of custom features and integrations. Examples include:

- **SharePoint integration:** Seamless integration with SharePoint for document processing and search.
- **Atlassian integration:** Connection with Atlassian products to streamline project management and documentation.
- **Knowledge base integration:** Integration with internal or external knowledge bases to access and utilize specialized information.
- **Customer support:** AI-driven support to manage and respond to customer inquiries efficiently.
- **Web search:** Enhanced web search capabilities integrated within the 8020 Agent.
- **Generation of custom presentations:** Creation of tailored presentations to meet specific business needs (e.g. based on templates).
- **Image processing:** Advanced image processing capabilities for data extraction and analysis.
- **Image generation:** AI-driven image creation to support creative and marketing initiatives.
- **Customization of the user interface:** Tailoring the user interface to match specific workflows, brand guidelines and preferences.
- **Automated analysis and tasks:** Implementation of automated analysis and task execution to enhance productivity and efficiency.



# Benefits for customers

The 8020 Agent provides significant advantages to enterprises, addressing key concerns and enhancing productivity. Here are the primary benefits that customers can expect from utilizing this AI-driven solution.



## Data security

- Closed system ensures that sensitive data is processed securely.
- Secure AI model avoids risks associated with data leaks and unauthorized access.
- Compliance with data privacy regulations.



## Development speed

- Rapid implementation of the existing tool and customizations.
- Efficient development processes ensure timely delivery.
- Reliable performance and updates.



## Cost efficiency

- Basic features are already implemented and available out-of-the-box.
- Significant reduction in development costs compared to starting from scratch.
- Cost-effective solutions tailored to specific needs.



## Customization

- Fully tailored tool to meet unique enterprise requirements.
- Supports specialized workflows maximizing AI potential.
- Adaptable and flexible to evolving business needs.



# 8020 Get in touch



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