



PxPlus AI Assistant

DireXions 2025 – Pathways to Progress

Agenda

Overview

What it Knows

What it Can Do

Data

Live Demo

Code Generation Example

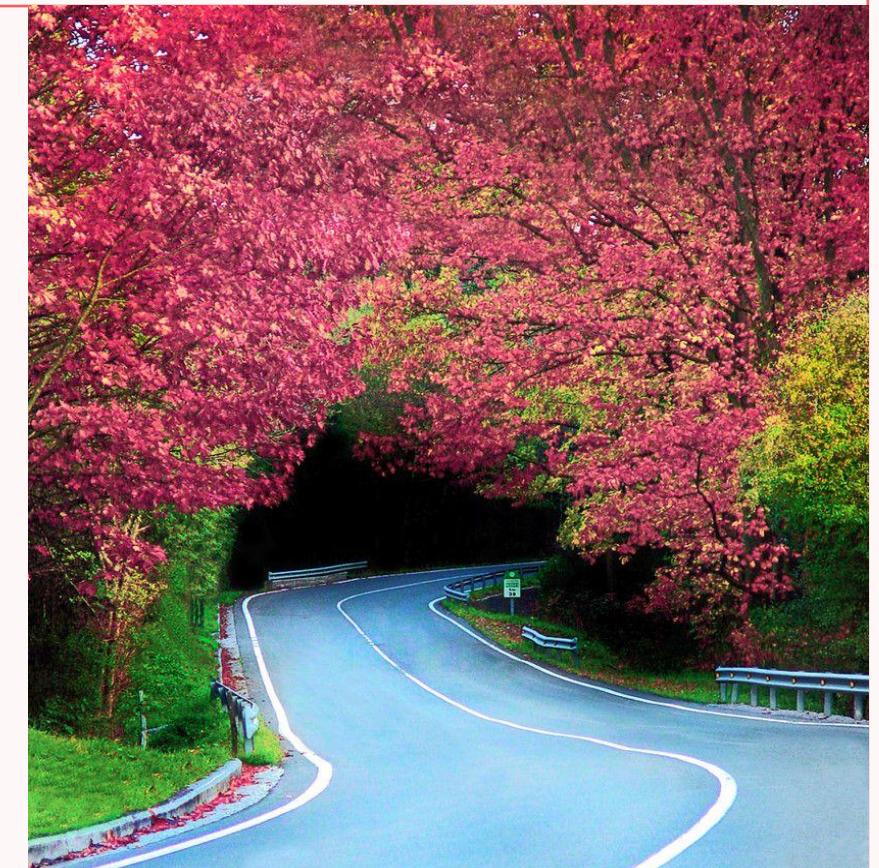
How the AI Assistant Works

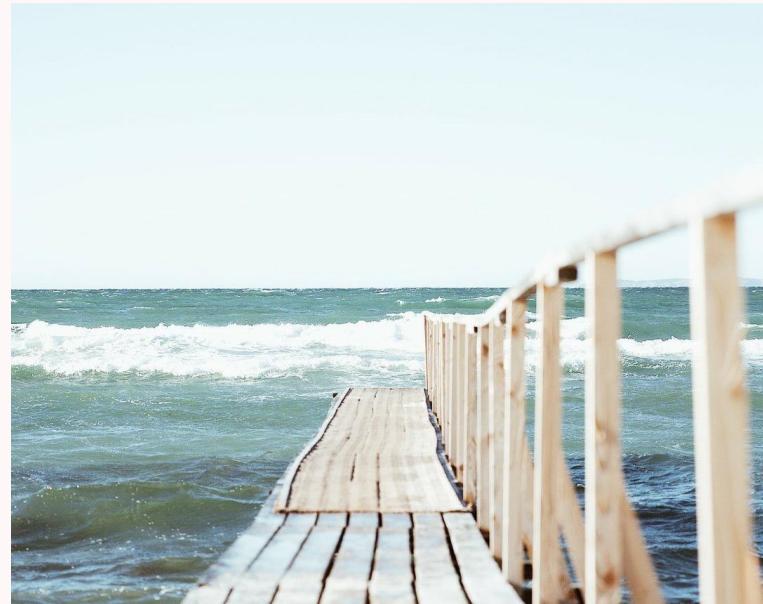
AI in the PxPlus Community

Prompt Engineering

How to Access

AI Discussion





Overview

- Created using OpenAI API
- Large knowledge base
- Simple, easy-to-use interface



This AI assistant is a third-party service provided by OpenAI that does not represent PVX Plus Technologies Ltd. AI generated responses may be incorrect.

Do not upload personal, identifying, or confidential information.

Hello! How can I help you?

.NET Integration

JSON Object

Security 2025

How do I make a multiline using NOMADS?



Send



How do I make a multiline using NOMADS?



To create a multi-line control in NOMADS, follow these steps:

- Select the **Multi-Line** control tool from the Controls Toolbar.
- Hold down the left mouse button and drag to create a rectangle to the desired size.
- Release the mouse button to finalize the creation of the multi-line control.
- In the Multi-Line Properties dialog, you can customize attributes such as name, input length, and validation settings



Once created, you can access and manipulate

Type a message



Send



For more specific details, refer to the Multi-Line Properties documentation, which discusses dynamic control properties and the use of data classes with multi-line controls:

- [Multi-Line Properties](#)
- [Overview of Multi-Line Control](#)

Would you like assistance with anything else related to NOMADS or multi-line controls?



Type a message



Send

UI Overview

- Chat-like interface
- Buttons to go to the Knowledge Center and Online Manual
- Dark Mode toggle button
- Buttons to quickly ask about new features
- Button to regenerate the previous AI response

The screenshot shows the PxPlus AI Assistant interface. At the top, there is a header with the logo, the text "PxPlus AI Assistant" (with a "BETA" badge), and a "Dark Mode" toggle button. Below the header, a message states: "This AI assistant is a third-party service provided by OpenAI that does not represent PVX Plus Technologies Ltd. AI generated responses may be incorrect." It also advises: "Do not upload personal, identifying, or confidential information." The "New Features" section contains buttons for ".NET Integration", "JSON Object", and "Security 2025". The "Chat box" section shows a message: "How do I make a multiline using nomads?", a "Regenerate Response" button, and a "Send" button.

Online Manual

Knowledge Center

PxPlus AI Assistant **BETA**

Dark Mode

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Hello! How can I help you?

.NET Integration JSON Object Security 2025

How do I make a multiline using nomads?

Regenerate Response

Send

New Features

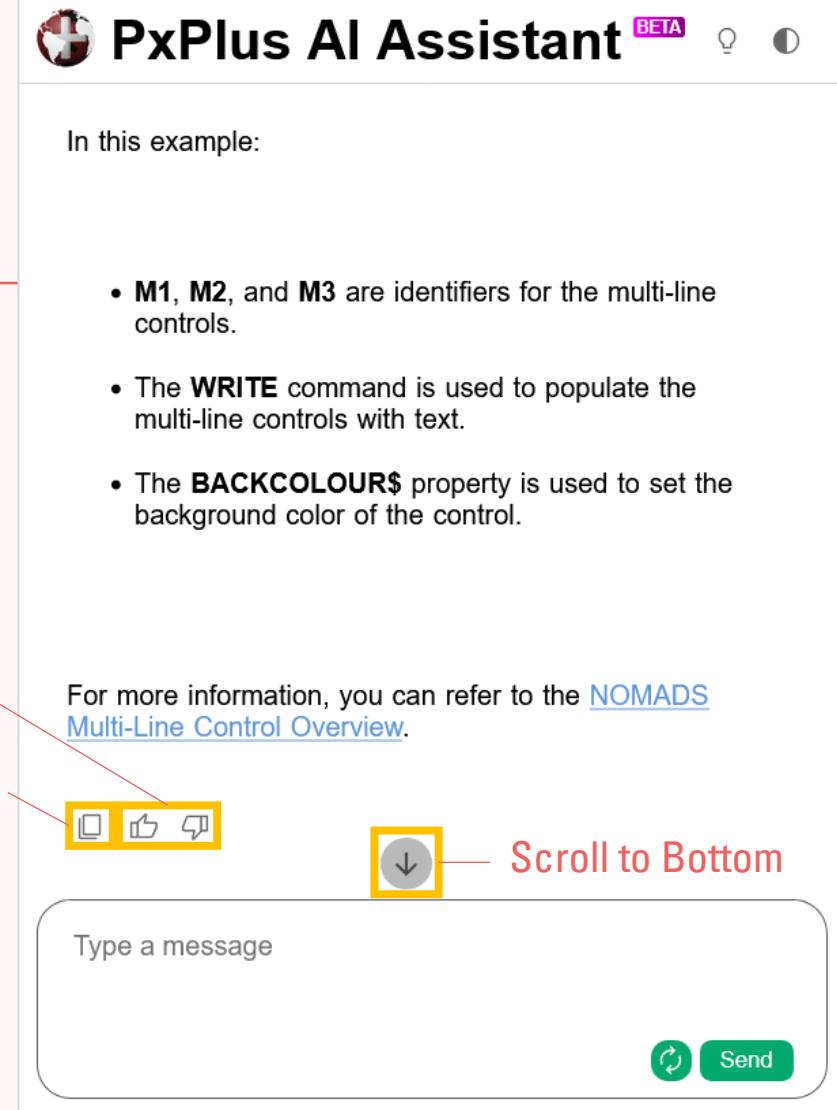
Chat box

UI Overview

- Buttons to provide feedback on the response
- Button to easily copy AI responses to your clipboard
- Button to quickly scroll to the bottom of the chat session

Feedback

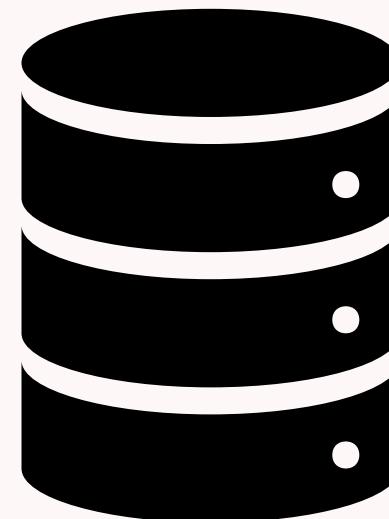
Copy Text



What it Knows

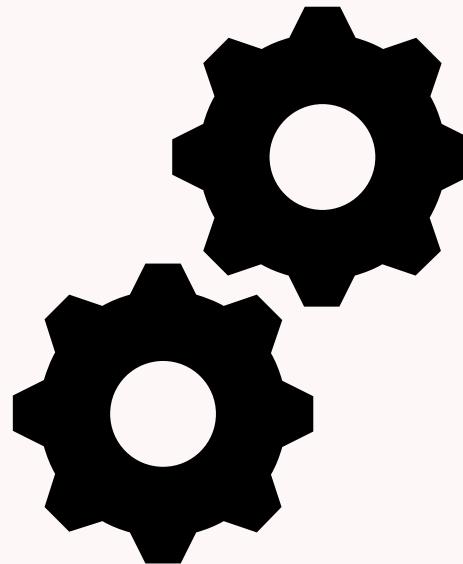
- The entire PxPlus Documentation
- The PxPlus Developer Training Guide
- All PDFs on the Knowledge Center
- PxPlus Programming Basics

We plan to keep its information up-to-date and further improve what it knows.



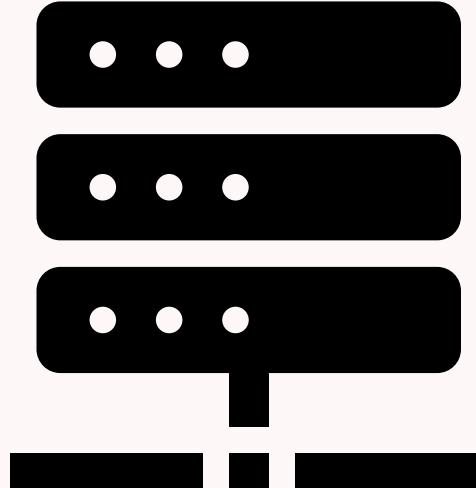
What it Can Do

- Search documentation
- Provide direct links to sources
- Respond in other (human) languages
- Limited to PxPlus
- Reconnect
- Limited Code Generation



Data

- Any questions / messages to the AI are tracked
- Session ID of conversations are tracked
- Current theme is stored in your local storage
- No personal data is tracked
- Business account with OpenAI allowed us to opt out of OpenAI using our data



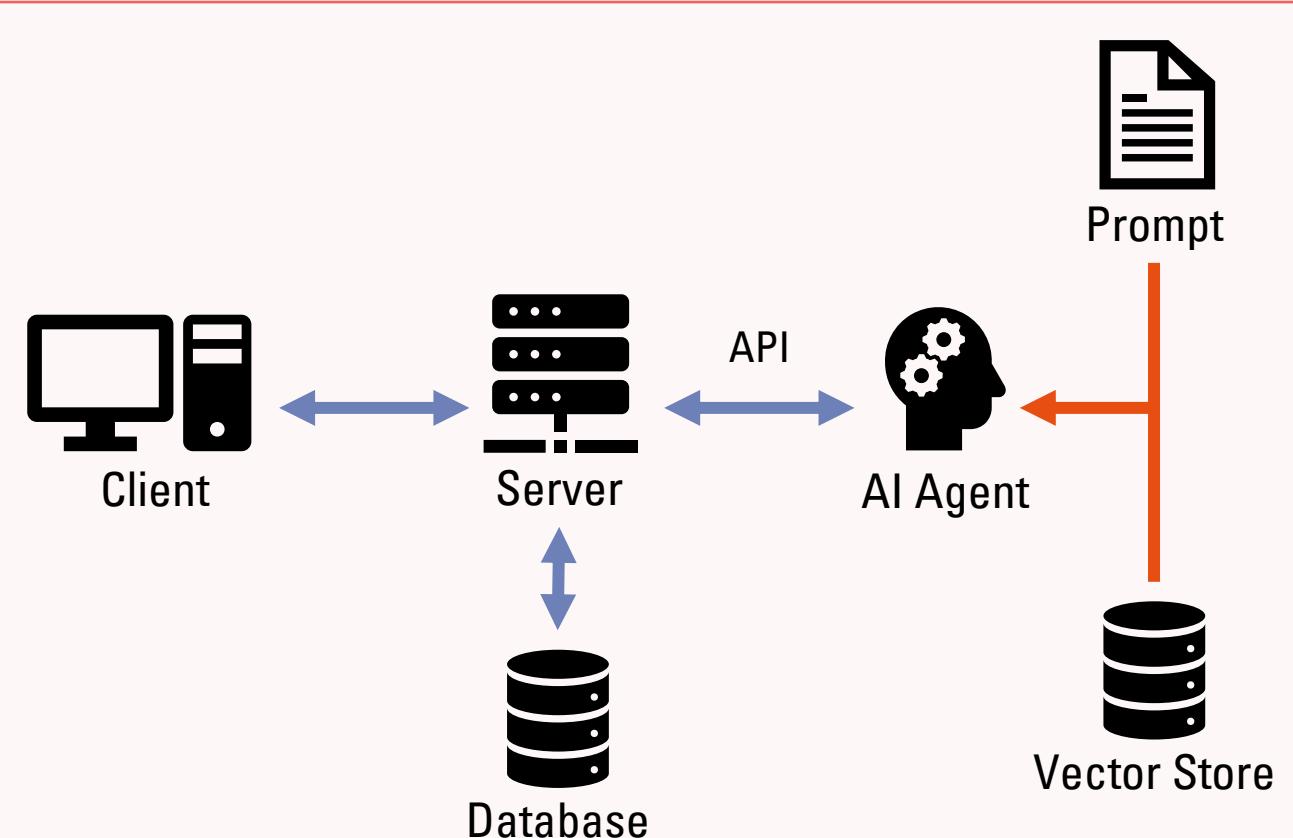
Do not upload personal or confidential information

Code Generation Example

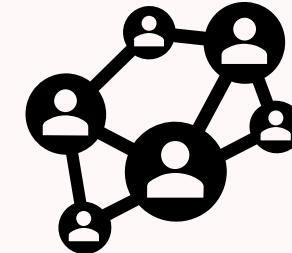
“Create a full working inventory program for a warehouse.
Each item is a string containing a name, price, and shelf unit number.
Also create a graphical menu to input this data.”

How the AI Assistant Works

- OpenAI API
- File Search
- Code Interpreter
- gpt-4o-mini model
- Vector Store
- Link Generation
- Automated Upload
- Link Generation
- Instructions (Prompt)
- Server and Client
- Database



AI in the PxPlus Community



Huge Success found by Astecom:

- Generating complete PxPlus programs
- Automatic syntax checking
- Automatic debugging
- Creating test routines
- Automated compiling and validating
- Incredible time savings
- Using Anthropic's Claude AI
- Integrated using VS Code and Claude Code Extension
- Uses the PxPlus manual, reference code, and instruction files
- More on the forum post
<https://forum1.pvxplus.com/index.php?topic=1443.0>
- Publicly available on GitHub
<https://github.com/Astecom/clause-pxplus-template>

Prompt Engineering

Prompt Engineering is the skill of crafting a well worded question or request, and is key to getting the most out of AI models

Tips for getting better responses:

- Use wording that is clear, specific and structured
- Give context and constraints
- Assign the AI Agent a role
- Provide examples



Key Takeaway: A better prompt will produce a better outcome

Prompt Examples

"Database integration"



"How do I integrate a MySQL database
using ODBC?"

"I can't open my file."



"I get an error 52 when trying to open my
file. Can you explain what that is and
how to fix it?"

How to Access

With the release of PxPlus 2025 Update 1:

- **AI Assistant** button on navigation bar of the Online Manual
- The new **AI Assistant** task in the IDE Menu tree view
- Enter **ai** into the PxPlus command line

Go to the web page: <https://ai.pvxplus.com>

OpenAI is prone to network issues and slowdowns, which could affect your experience using the PxPlus AI Assistant.

Refreshing the page will often resolve any issues.

