Super Charging Python with Delphi

Python + Lowcode + Native Speed

Python and Delphi	Python is a general-purpose programming language that is popular with Data Scientists and Developers using Big Data, Cloud Computing, Artificial Intelligence (AI) and Machine Learning (ML). Delphi, and its extensive cross-platform native libraries, help extend Python with blazing fast native speed that you can only get with compiled binaries. Delphi, the modern Object Pascal language, is also easy to learn making it accessible to any level of developer.		
Product	**1 PyScripter**	**2 Delphi4Python**	**3 Python4Delphi**
What is it?	PyScripter is an open source Integrated Development Environment (IDE) for Python Developers. https://pyscripter.dev/ *PyScripter is sponsored by Embarcadero Technologies, the home of RAD Studio, Delphi, and C++Builder.*	The "**DelphiVCL4Python**" and "**DelphiFMX4Python**" libraries make powerful UI controls available from Python scripts. The VCL is the original Low Code native framework for Windows, while FMX is Delphi's leading cross-platform framework for Windows, Linux, macOS & Android.	**Python4Delphi** is a set of open source components for Delphi that enable you to integrate existing Python into Delphi projects.
Why use it?	PyScripter is a lightweight native IDE that speeds up Python development. **It's fast,** accessibility friendly and easy to pick up and use and helps you code faster and smarter.	The VCL provides native, performat Windows controls, while FMX provides a single code approach that provides a native user experience across the Window, Linux, and macOS platforms.	Full access to the blazingly fast multi-platform libraries that cross compile for Windows, macOS, Linux and mobile. Including **multi-threaded, REST,** and **database connections**.
Who uses this?	Those working with Python in any scenario, such as • Python developers • Data scientists	• Python Developers wanting to add the speed, and usability of native UI's to their Python code. • FMX - Developers needing a native UX on multiple platforms.	• **Delphi Developers** wanting to use python inside their applications • **Python developers** wanting to add the benefits of Delphi and native **speed** to the existing Python projects.
Getting Started	**FREE Download :** embarcadero.com/free-tools/pyscripter/free-download **Video** : Getting to know PyScripter - Webinar Replay **Blog :** Getting to know PyScripter - Blog	**Download VCL** : https://github.com/Embarcadero/DelphiVCL4Python **Download FMX** : https://github.com/Embarcadero/DelphiFMX4Python **Video / Blog** : https://blogs.embarcadero.com/introduction-to-python-gui-development-with-delphi-for-python-vcl-fmx/	**Download** : https://github.com/pyscripter/python4delphi/ **Video :** Overview | Getting Started with Python4Delphi **Introductory Webinars & Samples :** Part 1 | Part 2 | Intro (PDF)
Interesting facts	• Translated in 15 languages • 1.1+million downloads • Open source • Written in Delphi.	• No runtime fees • Cross platform • **VCL for Python** uses the same libraries trusted by millions of developers to deliver first class Windows native apps since 1995.	• Open Source and FREE • No runtime fees • Use with ALL Delphi Editions, • Download Delphi today!

As Python prototypes mature into production, Delphi and Delphi4Python help reduce risks, and get you there faster.

1 Develop using PyScripter

Meet Frank, a Developer using Python, for data ingestion with Big Data. Frank loves Python as it allows him to prototype quickly around his big data stack.

2 Add Native UI using Delphi4Python

*When developing and testing, it is often useful to have an optional UI layer that can be visible to monitor data processing and get early feedback. **Delphi4Python** helps Frank achieve this rapidly with full accessibility support.*

3 Optimize Speed and UX with Delphi

*For high loads processing, performance is critical. Frank uses Delphi libraries to rapidly inject native speed and performance into his Python scripts. **Python4Delphi** enables Frank to quickly add Parallel processing, use Visual UI development and more..*

PROTOTYPE > PRODUCTION

Get there faster with native library support, reducing cost, testing, and risks in development.

AGILE

Allow developers and data scientists to react faster with low code advanced native libraries.

FASTER

Delphi powers up developers with 26+ years of low code native simplicity

Need Advice? Embarcadero pre-sales engineers are available to discuss your project requirements and help point you in the right direction. Ask your local sales rep for an appointment..

Copyright embarcadero 2022 - an Idera, Inc. company

@EmbarcaderoTech

PyScripter - Free Python IDE

Python + Lowcode
+ Native Speed

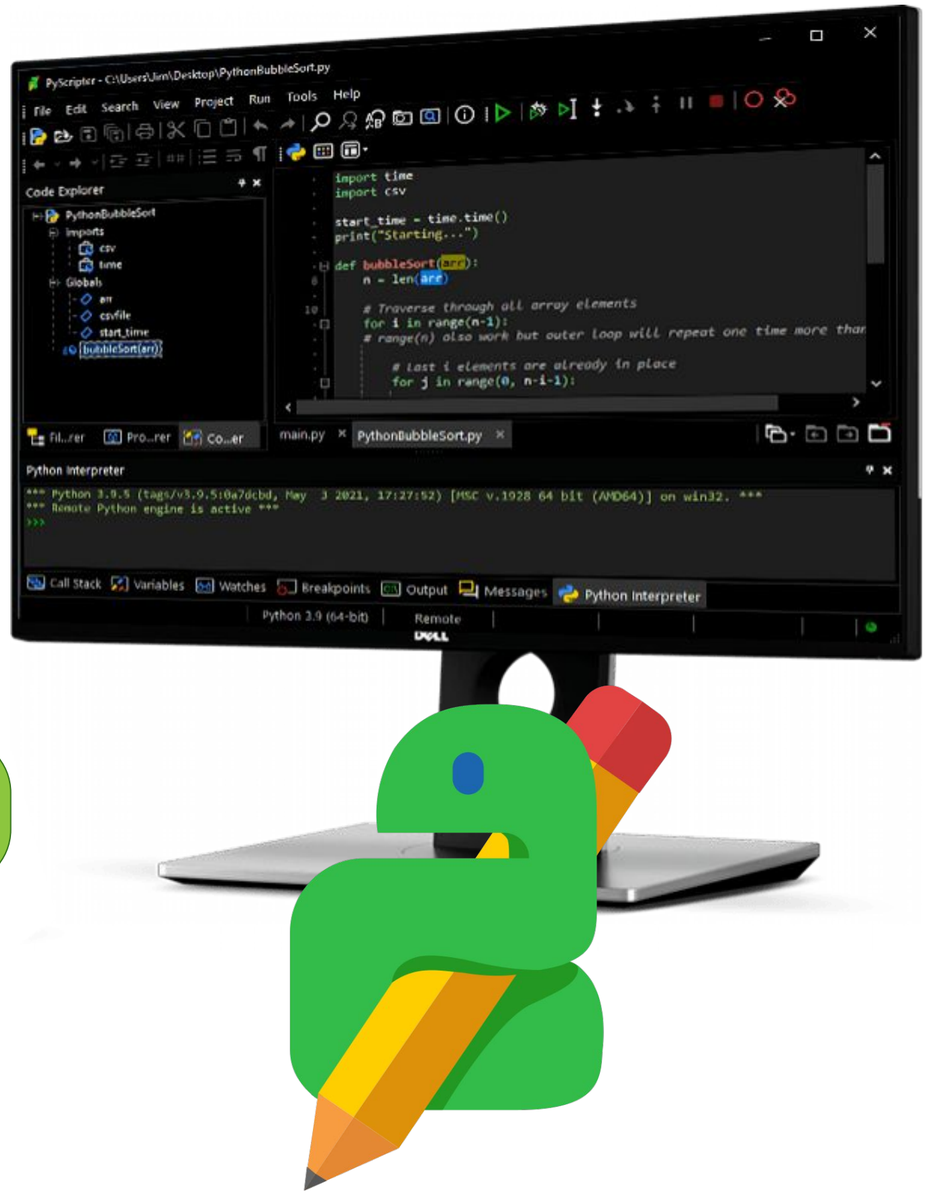
PyScripter is an open-source and feature-rich lightweight Python IDE.

PyScripter has all the features expected in a modern Python IDE in a lightweight package. It's also natively compiled for Windows to use minimal memory with maximum performance. The IDE is open-source and fully developed in Delphi with extensibility via Python scripts.

Features

- Integrated Python Interpreter
- Full Python debugging with support for remote debugging
- Integrated Unit testing
- Integration with Python tools like PyLint, TabNanny, Profile etc.
- Full support for encoded Python source
- Remote Python Debugger
- Run or debug files from memory
- Code Explorer
- Syntax Highlighting Editor
- To Do List
- Find and Replace in Files
- Integrated regular expression testing
- Choice of Python version to run via command line parameters
- Run Python Script externally (highly configurable)
- Modern GUI with docked forms
- Persistent configurable IDE options

Download PyScripter



Copyright embarcadero 2022 - an Idera, Inc. company