

Transition to the future

Why convert?

COBOL is an aging language that is difficult to maintain with the average cost per line on the rise.

Although a stable system, the benefits of COBOL are diminishing due to cloud and high-availability architectures.

Transitioning to Python provides a gateway to the future; modernizing your deprecated COBOL code.

Contact Us

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COBOL to Python

Python enables flexibility in developing new business applications that will keep your organization on the cutting edge.



What is COBOL?

Common Business-Oriented Language (COBOL) is a reliable programming language designed by CODASYL and Grace Hopper in 1959. COBOL is used in many industries, from finance, to defense, to healthcare.

COBOL is becoming less relevant with the rise of cloud architecture, and a transition to Python opens the door for your business to modernize.

COBOL Pros:

- English-like syntax
- IBM Mainframe language
- Proven, well-adopted, and stable

COBOL Cons:

- Deprecated
- Hardware/Platform specific
- SME diminishing talent pool
- Lack of continuous integration
- Inability to easily gather metrics

What is Python?

Python was developed in 1990 by Guido van Rossum. Python is a growing and versatile language with an expanding repository.

Python Pros:

- Class-building and object-oriented
- Platform agnostic
- Utilizes unit testing and a continuous integration programming model
- Easily gathers metrics, monitors programs, and generates reports
- Large repository of packages

Python Pros, continued:

- Strong community and SME talent pool
- Flexible code change
- Superior version control
- Improved code documentation
- Use of async functionality

Python Cons:

- Less stable than COBOL
- Version updates may require more continuous integration
- Syntax can become convoluted depending on architectural design

Why make the switch to Python?

Converting to Python enables your code to utilize some of today's best practices, including unit testing and version control.

In an ever-changing environment, systems must be adaptable, which means testing and version control are essential. Using Python can reduce your time to release by weeks, allowing your development team to focus on developing better business applications instead of getting bogged down maintaining code.

Moving past DB2 databases is critical to achieving a better future for your company. This switch will enable access to newer database types such as Mongo and Neo4JS.

Visualization of real data can provide valuable insight to your performance and help reduce overhead. Python provides great tools on this front including Scikit learn, Numpy, and Plotly.

Ready to make the change? We can help!

There are many additional functions to explore once you convert to Python, including AI, graphing and plotting, and sentiment analysis.

Are you ready to reduce time spent maintaining code and open your business to the possibilities of adaptable code? Then make the change from COBOL to Python!

Global Analysis Research and Development can help your business convert your existing COBOL code into Python, and set you up for success as you integrate this new language.

Contact Us

To get started on your COBOL to Python conversion today, please contact us using the information below.

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