

Accelerate Application Modernization with Code Bender



Old code can limit productivity, hinder growth, and negatively impact customer experiences. This technical debt can also add significant cyber and operational risk.

To speed up the application modernization process, we created Code Bender to significantly reduce the time and cost of translating your old code into new, modern application code.

What is Code Bender?

Code Bender is a custom development tool that takes in application code in older languages and converts it to new code in the modern language of your choice. For example, in less than a minute we can take CBASIC code, run it through the system, and receive new application code written in Python. Code Bender can speed up application modernization projects by 25-75% compared to a fully manual effort.

Challenges Addressed & Opportunities Created



Reduces the amount of code in unsupported languages within your environment.



Reduces the risk of cyber and operational challenges from old code bases.



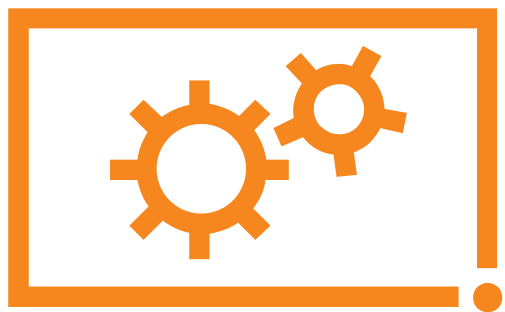
Reduces the risk of shortages in talent with older language skills.









Increases the ability to attract IT talent by being on a modern code base.



Reduces the risk of introducing business logic or functional errors after translation.



Methodology

 <p>Analyze candidate applications for technical complexity & prioritize based on business logic.</p>	 <p>Create a team to translate, review outputs, make minor enhancements, and test logic.</p>
 <p>Configure Code Bender for client's environment and languages.</p>	 <p>Optimize Code Bender translations - later applications take less time than the first wave.</p>
 <p>Create a Proof-of-Concept initial modernized application</p>	 <p>Define the business case, iteratively benchmark results and update documentation.</p>

Recent Examples of Client Code Translations	Example Older Code Languages and Technologies	Example Newer Code Languages and Technologies
<ul style="list-style-type: none"> • CBASIC and QBASIC to Python • SOAP to RESTful API • Java 6 to Java 11 	<ul style="list-style-type: none"> • SAS • CBASIC/QBASIC • Java WebSphere • PHP • Perl • Stored Procedures • AS/400 • SOAP • EDI 	<ul style="list-style-type: none"> • NET - C# • Node – JavaScript, TypeScript • Python 3+ • Java • Go • Rust • Web Assembly • RESTful APIs

Fast Start POC Offering

<p>Code Bender Assessment (3-4 weeks):</p> <ul style="list-style-type: none"> • Understand the old code and current environment. • Identify the applications, its purpose, and modernization effort required. • Obtain a copy of the old code and files needed to create the POC. • A prioritized list of applications to bend. 	<p>POC Development (3-4 weeks):</p> <ul style="list-style-type: none"> • Configure Code Bender for input and output languages & current environment emulation. • Translate code and verify the application. • Perform functional testing and make minor enhancements as needed. • Conduct the POC demo & Agile process retrospective.
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Contact us to learn more about how we can help.

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