■■ LLVM Obfuscation Report

Job ID: N/A | **Generated:** 2025-12-05T17:06:12.294792Z

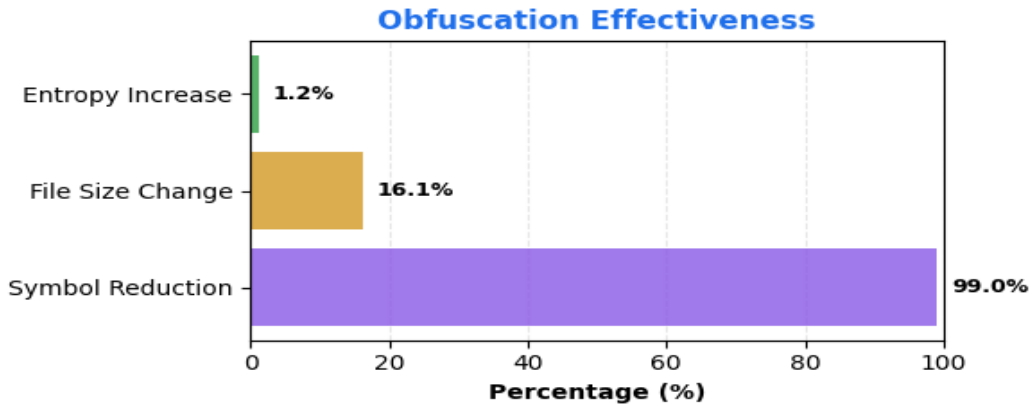
■■ C++ exception handling detected in IR (invoke/landingpad instructions). Flattening pass disabled for stability (known to crash on except

OBFUSCATION SCORE

100.0/100

Excellent Protection

Symbol Reduction	Function Hiding	Entropy Increase	RE Difficulty
99.0%	100.0%	2.1300	6-10 weeks



Input Parameters

Source File	pasted_source.cpp
Platform	linux
Obfuscation Level	5
Requested Passes	flattening, substitution, boguscf, split, linear-mba, string-encrypt
Applied Passes	substitution, boguscf, split, linear-mba, string-encrypt

Baseline Compilation Details

Compiler	clang++/clang
Version	LLVM 22
Optimization Level	-O3

Compilation Method	IR pipeline (source → LLVM IR → binary)

Metrics Comparison & Output Details

Before/After Metrics

Metric	Baseline	Obfuscated	Change
File Size	36.50 KB	30.61 KB	-16.14%
Symbols	104	1	-99.0%
Functions	13	0	-100.0%
Entropy	4.6020	4.7000	+0.0980

Output File Attributes

File Size	30.61 KB
Binary Format	ELF
Symbol Count	1
Function Count	0
Binary Entropy	4.7000
Obfuscation Methods	substitution, boguscf, split, linear-mba, string-encrypt

Bogus Code Generation

Dead Code Blocks	18
Opaque Predicates	12
Junk Instructions	30
Code Bloat %	14.00%

■ String Obfuscation

Total Strings Found	0
Strings Encrypted	0
Encryption Rate	0.0%
Method	MLIR string-encrypt pass

Obfuscation Cycles

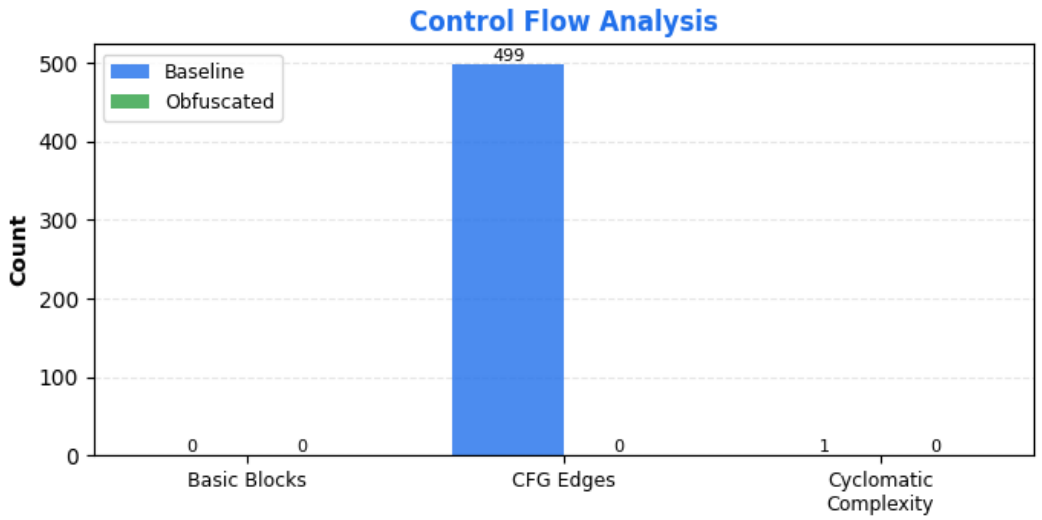
Cycle	Passes Applied	Duration (ms)

1	flattening, substitution, boguscf, split, linear-mba, string-encrypt	500

Advanced Analysis Dashboard

Control Flow Analysis

Metric	Baseline	Obfuscated	Change %
Basic Blocks	0	0	+0
CFG Edges	499	0	+0
Cyclomatic Complexity	1	0	+-100.0%



Instruction-Level Metrics

Metric	Baseline	Obfuscated	Change %
Total Instructions	2383	0	+-100.0%
Arithmetic Complexity	12.80	0.00	+-100.0
MBA Expressions	0	0	+0