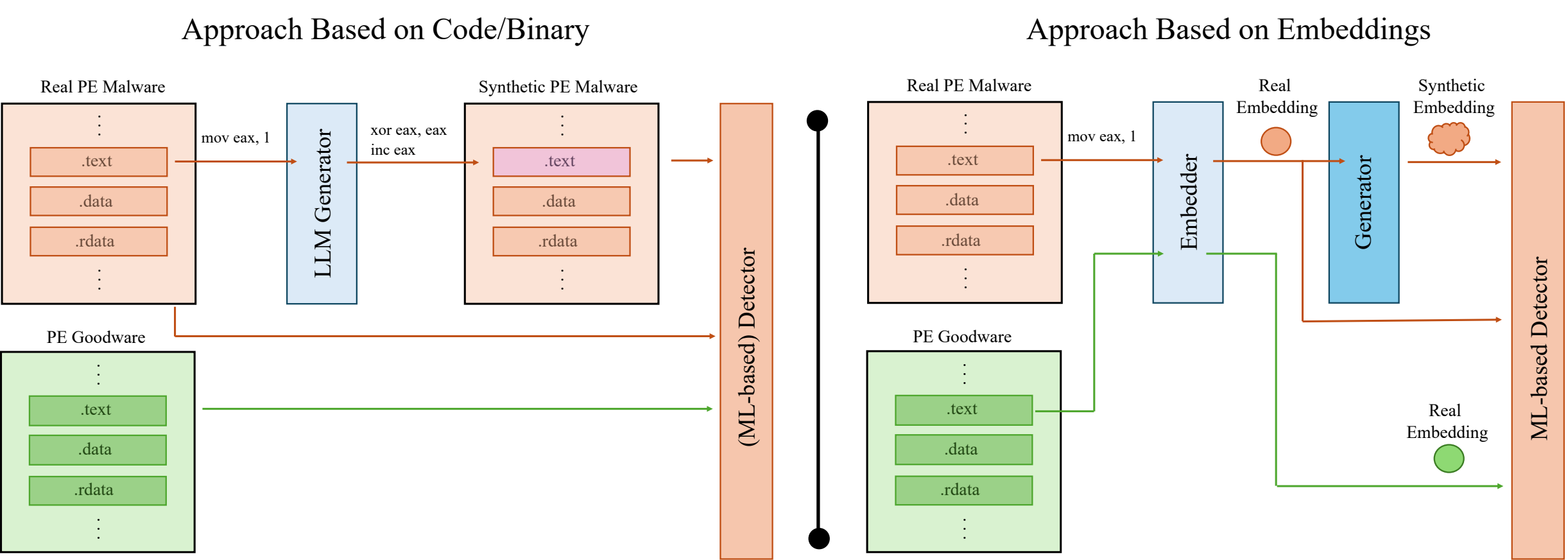

Approach Based on Code/Binary
Real PE Malware
.text
.data
.rdata
mov eax, 1
LLM Generator
xor eax, eax
inc eax
Synthetic PE Malware
.text
.data
.rdata
PE Goodware
.text
.data
.rdata
(ML-based) Detector
Approach Based on Embeddings
Real PE Malware
.text
.data
.rdata
mov eax, 1
Embedder
Real Embedding
Generator
Synthetic Embedding
PE Goodware
.text
.data
.rdata
Real Embedding
ML-based Detector