

Modernize your business-critical applications with IBM Open Enterprise SDK for Go

An overview of the features and benefits of the Go programming language on the z/OS platform

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Build new and efficient, or modernize applications using no-charge license Go on z/OS

- Foundation for container orchestration such as Kubernetes®, containerization technology such as Open Container Initiative®, and container application platforms such as OpenShift®.
- Develop applications the same way as you would on any other platform, leveraging common **skills** that are widely available
- Embrace newer application platforms that allow you to experiment and develop new digital experiences quickly and at **low cost**
- Automate and streamline applications natively on IBM z16 for faster performance with better **security**

Key benefits of using Go on z/OS



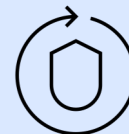
Skills



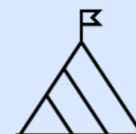
Cost savings



Security



Reliability

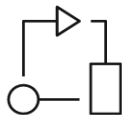


High-Performance

General-purpose programming language for building large-scale complex software

Go as a language of choice for application modernization

IBM Open Enterprise SDK for Go is designed to provide you with the capability for:



Modernization

- Refactor elements of an existing IBM zSystems application into discrete services with Go
- Co-locate data and Go applications on IBM zSystems to improve performance and take advantage of the inherent security of IBM zSystems
- Take advantage of great features supported by a large open community, for greater agility



API Orchestration

- Expose applications and data through APIs to interoperate with new applications developed in Go
- Run popular Go applications from other platforms on IBM zSystems, for greater reliability and resiliency



Application development

- Extend existing core applications on z/OS with cloud-native applications
- Application developers on z/OS® can now use one of the fastest growing programming languages natively on the platform, and take advantage of Go's powerful standard library of packages and built-in functions, for rapid development

Best use-cases to instantly identify the benefits of IBM Open Enterprise SDK for Go

IBM Open Enterprise SDK for Go enables:



Business Transformation

Excellent for transforming enterprises efficiently and at a lower cost.

Develop APIs / plugins / wrappers to extend business critical applications using Go for faster delivery, ease of maintenance and lower cost



Popular Go application on z/OS

Applications written in Go on another platform can run more efficiently, securely and with higher performance on z/OS (Kubernetes, Open Container Initiative, Analytics, AI, etc)



Interoperate with middleware/ other languages

Communicate and integrate with existing middleware via z/OS Connect APIs and other languages via cgo

Accelerate your efforts in application modernization and journey to cloud

- Explore the advantage of running Go on z/OS
- Follow the Go tutorials and evaluate your needs
- View system requirements and prepare for installation
- Contact IBM and explore implementation options for your organization



Start using IBM Open Enterprise SDK for Go

Refer to the step by step guidance
[Learn more](#)



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This free edition provides a secure and efficient approach to experience the benefits of the popular Go language, and develop new applications the same way you would on any other platform.

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Explore the dedicated topic group on IBM Z and LinuxONE Community

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Share your ideas and help IBM prioritize your ideas and requests

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Thank you

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