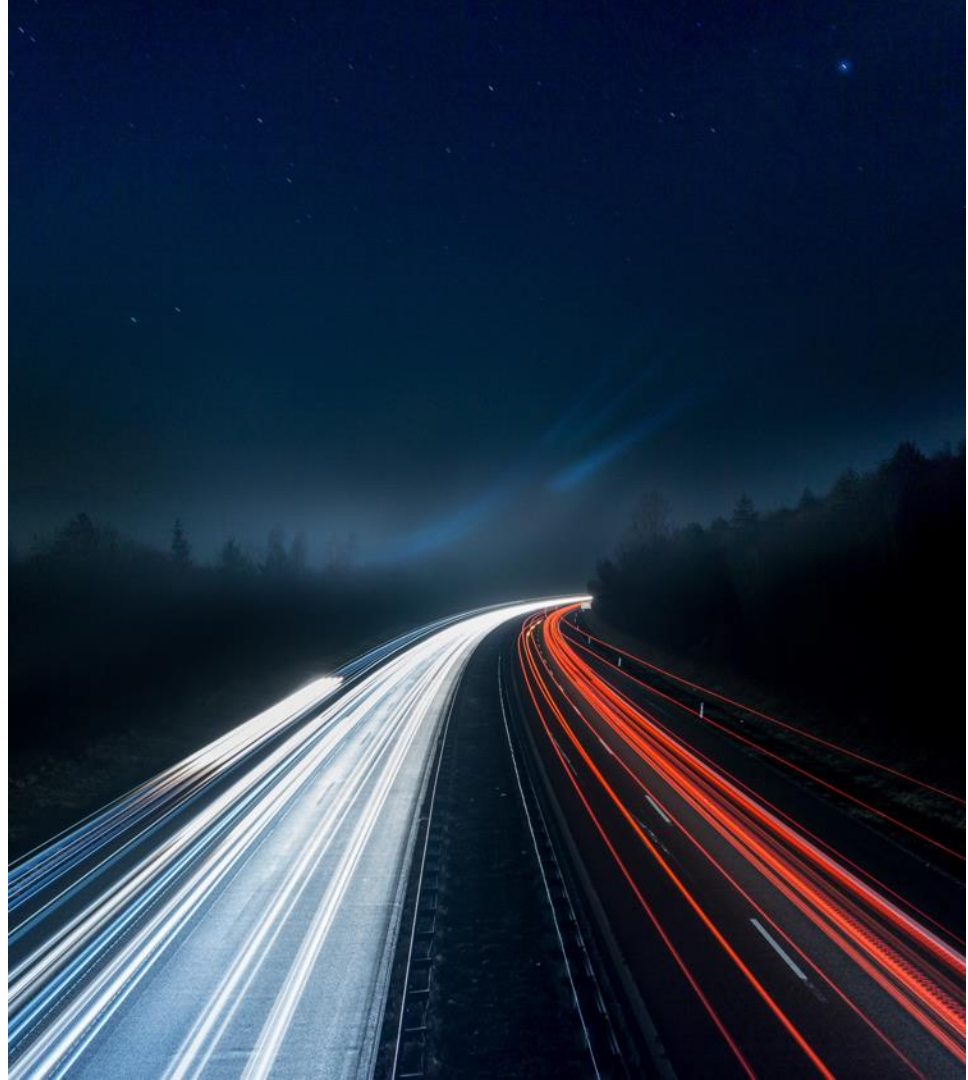


IBM Open Enterprise SDK for Go

z/OS clients can now take advantage of this enormously popular and growing technology on IBM Z to power digital transformation. Due to its easy to learn and understand syntax, IBM Open Enterprise SDK for Go™ also enables clients to access a wide variety of new talent for application development and modernization.

Go™ (or Golang™) is a general-purpose programming language for building large-scale complex software. It has emerged as the language of choice for many cloud native operations. It forms the foundation for container orchestration such as Kubernetes®, containerization technology such as Open Container Initiative®, and container application platforms such as OpenShift®. Due to the numerous benefits and increasing popularity of the Go, many enterprise companies have chosen Go to accelerate their digital transformation.

As clients embark on their cloud native journey on z/OS, IBM [Open Enterprise SDK for Go](#) is essential for enabling new cloud workloads and connecting z/OS to their private cloud in a multi hybrid cloud environment. As global economic conditions continue to accelerate the need for businesses to focus on digital transformation, the demand for fast, secure, and modern cloud native applications on the platform continues to increase.



The challenge

Clients need to transform their enterprises efficiently and at a lower cost. They need to integrate digital technology into all areas of their businesses to deliver value to their customers.

Go™ is one of the most popular programming languages. It is key for clients to develop or enable new applications on z/OS. Z clients can develop applications with Go on z/OS in the same way as they would on any other platform, leveraging common skills that are widely available.

Go is essential for clients on their transformation journeys to DevOps, multi-cloud, and hybrid IT environments. Go is widely used to streamline automation operations for these environments.

IBM Open Enterprise SDK for Go is a strategic programming language and IBM intends to maintain currency with the Go community.

Stack Overflow Developers Survey ([link](#)) – Go ranked 3rd ¹
GitHub Pull Requests ([link](#)) – Go ranked 4th ²

Upwards of 2 million Go developers (~7% of all, doubled in 2 years, [link](#))³. Upwards of 4 million unique installations of Go Visual Studio Code (+60% from prior year, [link](#))⁴

Upwards 98% of enterprises surveyed plan to use hybrid clouds within 3 years ([link](#))⁵



The IBM solution: IBM Open Enterprise SDK for Go

- An IBM offering that can be ordered in Shopz.
 - No license charge. World-class services and support option is available for purchase
- Clients can develop applications with IBM Open Enterprise SDK for Go™ the same way as they would on distributed platforms with extra benefits:
 - Leverage co-location of Go applications with critical assets and data on z/OS.
 - Reduce response time and increase throughput.
 - Run popular Go applications from other platforms on Z with high performance and security.
 - Take advantage of great features supported by a large open community
- As clients embark on their cloud native journey on z/OS, Go is essential in providing a foundation in a multi hybrid cloud environment, such as microservice development and integration with existing cloud applications.

Better productivity and quicker time to market

- Fewer lines of code
- Simple syntax, lightweight, easy to understand
- Fast running with concurrency support, highly scalable
- Powerful standard library of packages and built-in features to support application development
- Open-source project with active and vibrant community

Journey to Cloud

- Cloud native development
- Microservice architecture, multiple manageable services
- Integration and interoperability with existing cloud applications
- AI and data analytics and machine learning application development



The solution value: Why IBM?



IBM Open Enterprise SDK for Go™ is 100% enabled and supported by IBM. Go is a strategic language on z/OS. It is key for clients who are embarking on transformation journey to cloud. They can count on IBM for world-class support and stay current with the Go open-source community.

With IBM Open Enterprise SDK for Go, clients can create business logic using Go and co-locate Go applications with critical assets, i.e. applications and data, on z/OS to improve response time and increase throughput. They can take advantage of its great features supported by a large open community and deploy Go applications written on other platforms to Z. z/OS clients need take advantage of this enormously popular and growing technology on IBM Z to power digital transformation.

IBM also uses Open Enterprise SDK for Go to build its key offerings on z/OS. For example, IBM intends to deliver containers and Kubernetes® orchestration support for IBM z/OS.

[Read about the announcement.](#)

Additionally, IBM Global Financing provides numerous payment options to help you acquire the technology you need to grow your business. We provide full lifecycle management of IT products and services, from acquisition to disposition. For more information, visit: ibm.com/financing.

Learn more

To learn more about IBM Open Enterprise SDK for Go, please contact your IBM representative or IBM Business Partner, or visit:

[IBM Open Enterprise SDK for Go page](#)

[IBM Knowledge Center](#)

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Footnotes:

1. Stack Overflow Developer Survey Results 2020 – [link](#)
2. GitHub 2.0 – Q3 2020 Pull Requests – [link](#)
3. How Many Go Developers Are There? – [link](#)
4. Go for VS Code – [link](#)
5. The Business Value of the Transformative Mainframe – IDC - [link](#)

