

Usando Variables de Entorno para manejar secretos

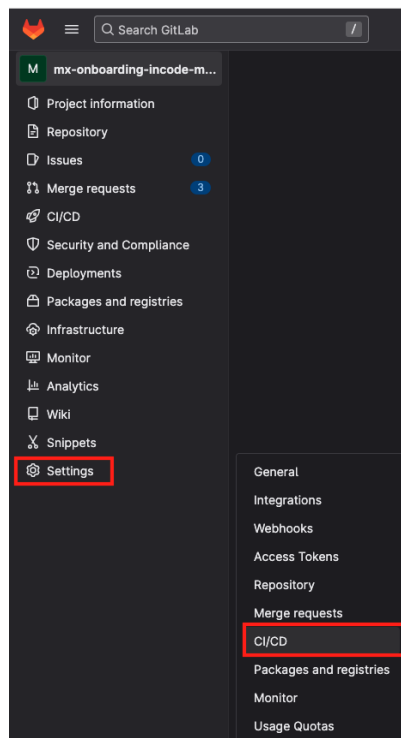
Ahora veamos cómo podemos gestionar secretos usando GitLab.

Por lo general, no queremos mantener ninguna credencial, nombres de usuario, contraseñas ni tokens en nuestros pipelines ni en cualquier otro archivo.

Con GitLab, podemos definir variables de entorno que estarán disponibles cuando se ejecute el pipeline. GitLab CI nos ofrece una forma conveniente de almacenar nuestros secretos.

Vamos a GitLab para ver dónde podemos gestionar nuestras variables de entorno.

En el menú lateral, vallamos a Settings y luego a CI/CD:



Podemos ver que tenemos una sección que dice “Variables”:

Variables

Expand

Variables store information, like passwords and secret keys, that you can use in job scripts. Each project can define a maximum of 8000 variables. [Learn more.](#)

Variables can have several attributes. [Learn more.](#)

- **Protected:** Only exposed to protected branches or protected tags.
- **Masked:** Hidden in job logs. Must match masking requirements.
- **Expanded:** Variables with `$` will be treated as the start of a reference to another variable.

Expandamos esta sección:

Variables

Collapse

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Type	Key	Value	Options	Environments
There are no variables yet.				

Add variable

Group variables (inherited)

These variables are inherited from the parent group.

Key	Environments	Group
CHECKMARX_BASE_URL	*	Falabella Financiero
CHECKMARX_PASSWORD	*	Falabella Financiero
CHECKMARX_USERNAME	*	Falabella Financiero
GITLAB_BASE_URL	*	Falabella Financiero
APP_ID_CUSTOM	*	Canales Digitales
APP_NAME_CUSTOM	*	Canales Digitales

Podemos ver que ya existen algunas variables de entorno, como CHECKMARX_BASE_URL, APP_ID_CUSTOM o APP_NAME_CUSTOM.

Para añadir una nueva variable de entorno, solo presionamos “Add Variable”:

Variables

Collapse

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GITLAB_BASE_URL	*	Falabella Financiero
APP_ID_CUSTOM	*	Canales Digitales
APP_NAME_CUSTOM	*	Canales Digitales

Add variable

×

Key

Value

Type

Variable

Environment scope

All (default)

Flags

☐ Protect variable

Export variable to pipelines running on protected branches and tags only.

☐ Mask variable

Variable will be masked in job logs. Requires values to meet regular expression requirements. [Learn more.](#)

☒ Expand variable reference

`$` will be treated as the start of a reference to another variable.

Cancel

Add variable

Podemos ver una opción deshabilitada que dice “Protect Variable”:

Add variable

Key
MY_TOKEN_WEBSITE

Value
aosidvaoidsduaosidu

Type
Variable

Environment scope
All (default)

Flags

- ☒ Protect variable
Export variable to pipelines running on protected branches and tags only.
- ☐ Mask variable
Variable will be masked in job logs. Requires values to meet regular expression requirements. [Learn more.](#)
- ☒ Expand variable reference
\$ will be treated as the start of a reference to another variable.

Cancel Add variable

Podemos ver que tenemos una opción desactivada llamada “Protect variable”. Esta opción nos ayuda a configurar la variable para que solo esté disponible para los branch protegidos, por ejemplo, el branch master o main están protegidos por default. Así que, si habilitamos esta opción, esta variable solo estará expuesta en el branch principal, por lo tanto, en cualquier otro branch, esta variable no estará disponible.

Tenemos otra opción llamada “Mask variable”:

Add variable

Key
|

Value

Type
Variable

Environment scope
All (default)

Flags

- ☐ Protect variable
Export variable to pipelines running on protected branches and tags only.
- ☒ Mask variable
Variable will be masked in job logs. Requires values to meet regular expression requirements. [Learn more.](#)
- ☒ Expand variable reference
\$ will be treated as the start of a reference to another variable.

Cancel Add variable

Si habilitamos esta opción, y por cualquier razón esta variable se imprime en los logs, GitLab simplemente la desaparecerá de los logs, por lo que no se imprimirá su valor en ninguna parte, y esto es por cuestiones de seguridad.