

Komodo - Advanced Configuration OIDC / OAuth2

Untuk mengaktifkan login OAuth2, Anda harus membuat klien pada penyedia OAuth masing-masing, misalnya [Github](#) atau [Google](#) .

Komodo juga mendukung penyedia OAuth2 yang dihosting sendiri seperti [Authentic](#) atau [Gitea](#) .

- Komodo menggunakan `web application` alur login.
- Uri pengalihannya adalah:
 - `<KOMODO_HOST>/auth/github/callback` untuk Github.
 - `<KOMODO_HOST>/auth/google/callback` untuk Google.
 - `<KOMODO_HOST>/auth/oidc/callback` untuk OIDC.

Jika Anda lebih suka merahasiakan informasi sensitif dari variabel lingkungan, Anda dapat secara opsional menulis file konfigurasi di host Anda, dan memasangnya `/config/config.toml` di container inti Komodo.

!! INFO !!

Konfigurasi masih dapat diteruskan dalam variabel lingkungan, dan akan diutamakan daripada yang diteruskan dalam berkas.

Download ke `./komodo/core.config.toml` :

```
wget -P komodo https://raw.githubusercontent.com/moghtech/komodo/main/config/core.config.toml
```

Config File

```
#####  
# [ ] KOMODO CORE CONFIG [ ] #  
#####  
  
## This is the official "Default" config file for Komodo Core.  
## It serves as documentation for the meaning of the fields.  
## It is located at `https://github.com/mbecker20/komodo/blob/main/config/core.config.toml`.
```

```
## All fields with a "Default" provided are optional. If they are
## left out of the file, the "Default" value will be used.

## This file is bundled into the official image, `ghcr.io/mbecker20/komodo`,
## as the default config at `/config/config.toml`.
## Komodo can start with no external config file mounted.

## There is usually no need to create this file on your host.
## Most fields can instead be configured using environment variables.
## Environment variables will override values set in this file.

## This will be the document title on the web page.
## Env: KOMODO_TITLE
## Default: 'Komodo'
title = "Komodo"

## This should be the url used to access Komodo in browser, potentially behind DNS.
## Eg https://komodo.example.com or http://12.34.56.78:9120. This should match the address configured in
your Oauth app.
## Env: KOMODO_HOST
## Required, no default.
host = "https://demo.komo.do"

## The port the core system will run on.
## Env: KOMODO_PORT
## Default: 9120
port = 9120

## This is the token used to authenticate core requests to periphery.
## Ensure this matches a passkey in the connected periphery configs.
## If the periphery servers don't have passkeys configured, this doesn't need to be changed.
## Env: KOMODO_PASSKEY or KOMODO_PASSKEY_FILE
## Required, no default
passkey = "a_random_passkey"

## Ensure a server with this address exists on Core
## upon first startup. Example: `https://periphery:8120`
## Env: KOMODO_FIRST_SERVER
## Optional, no default.
first_server = ""
```

```
## Disables write support on resources in the UI.
## This protects users that that would normally have write priviledges during their UI usage,
## when they intend to fully rely on ResourceSyncs to manage config.
## Env: KOMODO_UI_WRITE_DISABLED
## Default: false
ui_write_disabled = false

## Disables the confirm dialogs on all actions. All buttons will now be double-click.
## Useful when only having http connection to core, as UI quick-copy button won't work.
## Env: KOMODO_DISABLE_CONFIRM_DIALOG
## Default: false
disable_confirm_dialog = false

## Configure the directory for sync files (inside the container).
## There shouldn't be a need to change this, just mount a volume.
## Env: KOMODO_SYNC_DIRECTORY
## Default: /syncs
sync_directory = "/syncs"

## Configure the repo directory (inside the container).
## There shouldn't be a need to change this, just mount a volume.
## Env: KOMODO_REPO_DIRECTORY
## Default: /repo-cache
repo_directory = "/repo-cache"

## Configure the action directory (inside the container).
## There shouldn't be a need to change this, or even mount a volume.
## Env: KOMODO_ACTION_DIRECTORY
## Default: /action-cache
action_directory = "/action-cache"

#####
# AUTH / LOGIN #
#####

## Allow user login with a username / password.
## The password will be hashed and stored in the db for login comparison.
##
## NOTE:
```

```
## Komodo has no API to recover account logins, but if this happens you can doctor the database using Mongo
Compass.
## Create a new Komodo user (Sign Up button), login to the database with Compass, note down your old users
username and _id.
## Then delete the old user, and update the new user to have the same username and _id.
## Make sure to set `enabled: true` and maybe `admin: true` on the new user as well, while using Compass.
##
## Env: KOMODO_LOCAL_AUTH
## Default: false
local_auth = false

## Normally new users will be registered, but not enabled until an Admin enables them.
## With `disable_user_registration = true`, only the first user to log in will registered as a user.
## Env: KOMODO_DISABLE_USER_REGISTRATION
## Default: false
disable_user_registration = false

## New users will be automatically enabled when they sign up.
## Otherwise, new users will be disabled on first login.
## The first user to login will always be enabled on creation.
## Env: KOMODO_ENABLE_NEW_USERS
## Default: false
enable_new_users = false

## Allows all users to have Read level access to all resources.
## Env: KOMODO_TRANSPARENT_MODE
## Default: false
transparent_mode = false

## Normally all enabled users can create resources.
## If `disable_non_admin_create = true`, only admin users can create resources.
## Env: KOMODO_DISABLE_NON_ADMIN_CREATE
## Default: false
disable_non_admin_create = false

## Optionally provide a specific jwt secret.
## Passing nothing or an empty string will cause one to be generated on every startup.
## This means users will have to log in again if Komodo restarts.
## Env: KOMODO_JWT_SECRET or KOMODO_JWT_SECRET_FILE
## Default: empty string, meaning a random secret will be generated at startup.
```

```
jwt_secret = ""

## Specify how long a user can stay logged in before they have to log in again.
## All jwts are invalidated on application restart unless `jwt_secret` is set.
## Env: KOMODO_JWT_TTL
## Options: 1-hr, 12-hr, 1-day, 3-day, 1-wk, 2-wk, 30-day
## Default: 1-day.
jwt_ttl = "1-day"

#####
# OIDC Auth #
#####

## Enable logins with configured OIDC provider.
## Env: KOMODO_OIDC_ENABLED
## Default: false
oidc_enabled = false

## Give the provider address.
##
## The path, ie /application/o/komodo for Authentik,
## is provider and configuration specific.
##
## Note. this address must be reachable from Komodo Core container.
##
## Env: KOMODO_OIDC_PROVIDER
## Optional, no default.
oidc_provider = "https://oidc.provider.internal/application/o/komodo"

## Configure OIDC user redirect host.
##
## This is the host address users are redirected to in their browser,
## and may be different from `oidc_provider` host depending on your networking.
## If not provided (or empty string ""), the `oidc_provider` will be used.
##
## Note. DO NOT include the `path` part of the URL.
## Example: `https://oidc.provider.external`
##
## Env: KOMODO_OIDC_REDIRECT_HOST
## Optional, no default.
```

```
oidc_redirect_host = ""

## Give the OIDC Client ID.
## Env: KOMODO_OIDC_CLIENT_ID or KOMODO_OIDC_CLIENT_ID_FILE
oidc_client_id = ""

## Give the OIDC Client Secret.
## Env: KOMODO_OIDC_CLIENT_SECRET or KOMODO_OIDC_CLIENT_SECRET_FILE
oidc_client_secret = ""

## If true, use the full email for usernames.
## Otherwise, the @address will be stripped,
## making usernames more concise.
## Env: KOMODO_OIDC_USE_FULL_EMAIL
## Default: false.
oidc_use_full_email = false

## Some providers attach other audiences in addition to the client_id.
## If you have this issue, `Invalid audiences: `...` is not a trusted audience`,
## you can add the audience `...` to the list here (assuming it should be trusted).
## Env: KOMODO_OIDC_ADDITIONAL_AUDIENCES or KOMODO_OIDC_ADDITIONAL_AUDIENCES_FILE
## Default: empty
oidc_additional_audiences = []

#####
# OAUTH #
#####

## Google

## Env: KOMODO_GOOGLE_OAUTH_ENABLED
## Default: false
google_oauth.enabled = false

## Env: KOMODO_GOOGLE_OAUTH_ID or KOMODO_GOOGLE_OAUTH_ID_FILE
## Required if google_oauth is enabled.
google_oauth.id = ""

## Env: KOMODO_GOOGLE_OAUTH_SECRET or KOMODO_GOOGLE_OAUTH_SECRET_FILE
## Required if google_oauth is enabled.
```

```
google_oauth.secret = ""
```

```
## Github
```

```
## Env: KOMODO_GITHUB_OAUTH_ENABLED
```

```
## Default: false
```

```
github_oauth.enabled = false
```

```
## Env: KOMODO_GITHUB_OAUTH_ID or KOMODO_GITHUB_OAUTH_ID_FILE
```

```
## Required if github_oauth is enabled.
```

```
github_oauth.id = ""
```

```
## Env: KOMODO_GITHUB_OAUTH_SECRET or KOMODO_GITHUB_OAUTH_SECRET_FILE
```

```
## Required if github_oauth is enabled.
```

```
github_oauth.secret = ""
```

```
#####
```

```
# Security #
```

```
#####
```

```
## Enable HTTPS server using the given key and cert.
```

```
## Env: KOMODO_SSL_ENABLED
```

```
## Default: false
```

```
ssl_enabled = false
```

```
## Path to the ssl key.
```

```
## Env: KOMODO_SSL_KEY_FILE
```

```
## Default: /config/ssl/key.pem
```

```
ssl_key_file = "/config/ssl/key.pem"
```

```
## Path to the ssl cert.
```

```
## Env: KOMODO_SSL_CERT_FILE
```

```
## Default: /config/ssl/cert.pem
```

```
ssl_cert_file = "/config/ssl/cert.pem"
```

```
#####
```

```
# DATABASE #
```

```
#####
```

```
## Configure the database connection in one of the following ways:
```

```
## Pass a full Mongo URI to the database.
## Example: mongodb://username:password@localhost:27017
## Env: KOMODO_DATABASE_URI or KOMODO_DATABASE_URI_FILE
## Optional, can usually use `address`, `username`, `password` instead.
database.uri = ""

## ===== * OR * ===== ##

# Construct the address as mongodb://{username}:{password}@{address}
## Env: KOMODO_DATABASE_ADDRESS
database.address = "localhost:27017"
## Env: KOMODO_DATABASE_USERNAME or KOMODO_DATABASE_USERNAME_FILE
database.username = ""
## Env: KOMODO_DATABASE_PASSWORD or KOMODO_DATABASE_PASSWORD_FILE
database.password = ""

## ===== other =====

## Komodo will create its collections under this database name.
## The only reason to change this is if multiple Komodo Cores share the same db.
## Env: KOMODO_DATABASE_DB_NAME
## Default: komodo.
database.db_name = "komodo"

## This is the assigned app_name of the mongo client.
## The only reason to change this is if multiple Komodo Cores share the same db.
## Env: KOMODO_DATABASE_APP_NAME
## Default: komodo_core.
database.app_name = "komodo_core"

#####
# WEBHOOKS #
#####

## This token must be given to git provider during repo webhook config.
## The secret configured on the git provider side must match the secret configured here.
## If not provided,
## Env: KOMODO_WEBHOOK_SECRET or KOMODO_WEBHOOK_SECRET_FILE
## Optional, no default.
```

```
webhook_secret = "a_random_webhook_secret"

## An alternate base url that is used to receive git webhook requests.
## If empty or not specified, will use 'host' address as base.
## This is useful if Komodo is on an internal network, but can have a
## proxy just allowing through the webhook listener api using NGINX.
## Env: KOMODO_WEBHOOK_BASE_URL
## Default: empty (none)
webhook_base_url = ""

## Configure Github webhook app. Enables webhook management apis.
## <INSERT LINK TO GUIDE>
## Env: KOMODO_GITHUB_WEBHOOK_APP_APP_ID or KOMODO_GITHUB_WEBHOOK_APP_APP_ID_FILE
# github_webhook_app.app_id = 1234455 # Find on the app page.
## Env:
## - KOMODO_GITHUB_WEBHOOK_APP_INSTALLATIONS_IDS or
KOMODO_GITHUB_WEBHOOK_APP_INSTALLATIONS_IDS_FILE
## - KOMODO_GITHUB_WEBHOOK_APP_INSTALLATIONS_NAMESPACES
# github_webhook_app.installations = [
# ## Find the id after installing the app to user / organization. "namespace" is the username / organization
name.
# { id = 1234, namespace = "mbecker20" }
# ]

## The path to Github webhook app private key. <INSERT LINK TO GUIDE>
## This is defaulted to `/github/private-key.pem`, and doesn't need to be changed if running core in Docker.
## Just mount the private key pem file on the host to `/github/private-key.pem` in the container.
## Eg. `/your/path/to/key.pem : /github/private-key.pem`
## Env: KOMODO_GITHUB_WEBHOOK_APP_PK_PATH
# github_webhook_app.pk_path = "/path/to/pk.pem"

#####
# LOGGING #
#####

## Specify the logging verbosity
## Env: KOMODO_LOGGING_LEVEL
## Options: off, error, warn, info, debug, trace
## Default: info
logging.level = "info"
```

```
## Specify the logging format for stdout / stderr.
## Env: KOMODO_LOGGING_STDIO
## Options: standard, json, none
## Default: standard
logging.stdio = "standard"

## Optionally specify a opentelemetry otlp endpoint to send traces to.
## Example: http://localhost:4317
## Env: KOMODO_LOGGING_OTLP_ENDPOINT
logging.otlp_endpoint = ""

## Set the opentelemetry service name.
## This will be attached to the telemetry Komodo will send.
## Env: KOMODO_LOGGING_OPENTELEMETRY_SERVICE_NAME
## Default: "Komodo"
logging.opentelemetry_service_name = "Komodo"

#####
# PRUNING #
#####

## The number of days to keep historical system stats around, or 0 to disable pruning.
## Stats older that are than this number of days are deleted on a daily cycle.
## Env: KOMODO_KEEP_STATS_FOR_DAYS
## Default: 14
keep_stats_for_days = 14

## The number of days to keep alerts around, or 0 to disable pruning.
## Alerts older that are than this number of days are deleted on a daily cycle.
## Env: KOMODO_KEEP_ALERTS_FOR_DAYS
## Default: 14
keep_alerts_for_days = 14

#####
# POLL INTERVALS #
#####

## Controls the rate at which servers are polled for health, system stats, and container status.
## This affects network usage, and the size of the stats stored in mongo.
```

```
## Env: KOMODO_MONITORING_INTERVAL
## Options: 1-sec, 5-sec, 15-sec, 30-sec, 1-min, 2-min, 5-min, 15-min
## Default: 15-sec
monitoring_interval = "15-sec"

## Interval at which to poll Resources for any updates / automated actions.
## Env: KOMODO_RESOURCE_POLL_INTERVAL
## Options: `15-sec`, `1-min`, `5-min`, `15-min`, `1-hr`.
## Default: 5-min
resource_poll_interval = "5-min"

#####
# CLOUD PROVIDERS #
#####

## Komodo can build images by deploying AWS EC2 instances,
## running the build, and afterwards destroying the instance.

## Additionally, Komodo can deploy cloud VPS on AWS EC2 and Hetzner.
## Use the Template resource to configure launch preferences.
## Hetzner is not supported for builds as their pricing model is by the hour,
## while AWS is by the minute. This is very important for builds.

## Provide AWS api keys for ephemeral builders / server launch
## Env: KOMODO_AWS_ACCESS_KEY_ID or KOMODO_AWS_ACCESS_KEY_ID_FILE
aws.access_key_id = ""
## Env: KOMODO_AWS_SECRET_ACCESS_KEY or KOMODO_AWS_SECRET_ACCESS_KEY_FILE
aws.secret_access_key = ""

## Provide Hetzner api token for server launch
## Env: KOMODO_HETZNER_TOKEN or KOMODO_HETZNER_TOKEN_FILE
hetzner.token = ""

#####
# GIT PROVIDERS #
#####

## These will be available to attach to Builds, Repos, Stacks, and Syncs.
## They allow these Resources to clone private repositories.
## They cannot be configured on the environment.
```

```
## configure git providers
# [[git_provider]]
# domain = "github.com"
# accounts = [
#   { username = "mbecker20", token = "access_token_for_account" },
#   { username = "moghtech", token = "access_token_for_other_account" },
# ]

# [[git_provider]]
# domain = "git.mogh.tech" # use a custom provider, like self-hosted gitea
# accounts = [
#   { username = "mbecker20", token = "access_token_for_account" },
# ]

# [[git_provider]]
# domain = "localhost:8000" # use a custom provider, like self-hosted gitea
# https = false # use http://localhost:8000 as base-url for clone
# accounts = [
#   { username = "mbecker20", token = "access_token_for_account" },
# ]

#####
# REGISTRY PROVIDERS #
#####

## These will be available to attach to Builds and Stacks.
## They allow these Resources to pull private images.
## They cannot be configured on the environment.

## configure docker registries
# [[docker_registry]]
# domain = "docker.io"
# accounts = [
#   { username = "mbecker2020", token = "access_token_for_account" }
# ]
# organizations = ["DockerhubOrganization"]

# [[docker_registry]]
# domain = "git.mogh.tech" # use a custom provider, like self-hosted gitea
```

```
# accounts = [  
#   { username = "mbecker20", token = "access_token_for_account" },  
# ]  
# organizations = ["Mogh"] # These become available in the UI  
  
#####  
# SECRETS #  
#####  
  
## Provide Core based secrets.  
## These will be available to interpolate into your Deployment / Stack environments,  
## and will be hidden in the UI and logs.  
## These are available to use on any Periphery (Server),  
## but you can also limit access more by placing them in a single Periphery's config file instead.  
## These cannot be configured in the Komodo Core environment, they must be passed in the file.  
  
# [secrets]  
# SECRET_1 = "value_1"  
# SECRET_2 = "value_2"
```

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