5. Documentation

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1. Bookstack

2. Outline

Docker Compose file

compose.yml

```
services:
  outline:
    image: docker.getoutline.com/outlinewiki/outline:latest
    env_file: ./.env
    expose:
      - "9800"
    volumes:
      - ./storage-data:/var/lib/outline/data
    depends_on:
      - postgres
      - redis

  redis:
    image: redis
    env_file: ./.env
    expose:
      - "6300"
    # volumes:
    #  - ./redis.conf:/redis.conf
    command: ["redis-server", "/redis.conf"]
    healthcheck:
      test: ["CMD", "redis-cli", "ping"]
      interval: 10s
      timeout: 30s
      retries: 3

  postgres:
    image: postgres:18
    env_file: ./.env
    expose:
```

```
      - "5432"
    volumes:
      - ./database-data:/var/lib/postgresql
    healthcheck:
      test: ["CMD", "pg_isready", "-d", "outline", "-U", "user"]
      interval: 30s
      timeout: 20s
      retries: 3
    environment:
      POSTGRES_USER: 'user'
      POSTGRES_PASSWORD: 'pass'
      POSTGRES_DB: 'outline'

  https-portal:
    image: steveltn/https-portal
    env_file: ./.env
    ports:
      - '80:80'
      - '443:443'
    links:
      - outline
    restart: always
    volumes:
      - ./https-portal-data:/var/lib/https-portal
    healthcheck:
      test: ["CMD", "service", "nginx", "status"]
      interval: 30s
      timeout: 20s
      retries: 3
    environment:
      DOMAINS: 'outline.deternet.org -> http://10.69.4.140:9800'
      STAGE: 'production'
      WEBSOCKET: 'true'
      CLIENT_MAX_BODY_SIZE: '0'
```

.env

```
NODE_ENV=production
PUID=1000
PGID=1000

# ———————————————————————————————
# ——————————  FILE-BASED SECRETS  ——————————
# ———————————————————————————————
#
# Any environment variable read by Outline can be loaded from a file by
# appending _FILE to the variable name and setting the value to the path of the
# file. This is useful for Docker secrets and other file-based secret
# management systems.
#
# For example, instead of:
#   SECRET_KEY=your_secret_key
# You can use:
#   SECRET_KEY_FILE=/run/secrets/outline_secret_key
#
# The file contents will be trimmed of leading/trailing whitespace. If both the
# variable and the _FILE variant are set, the direct variable takes precedence.

# This URL should point to the fully qualified, publicly accessible, URL. If using a
# proxy this will be the proxy's URL.
URL=https://outline.deternet.org

# The port to expose the Outline server on, this should match what is configured
# in your docker-compose.yml
PORT=9800

# See [documentation](docs/SERVICES.md) on running a separate collaboration
# server, for normal operation this does not need to be set.
COLLABORATION_URL=https://outlinecolab.deternet.org

# If using a Cloudfront/Cloudflare distribution or similar it can be set below.
# This will cause paths to javascript, stylesheets, and images to be updated to
# the hostname defined in CDN_URL. In your CDN configuration the origin server
# should be set to the same as URL.
CDN_URL=
```

```
# How many processes should be spawned. As a reasonable rule divide your servers
# available memory by 512 for a rough estimate
WEB_CONCURRENCY=1

# Generate a hex-encoded 32-byte random key. Use `openssl rand -hex 32` in your
# terminal to generate a random value.
SECRET_KEY=d1dc3b382940a28ac25f4e6f4a469090d69485548c2529e1daac1310d88873f9

# Generate a unique random key. The format is not important but you could still use
# `openssl rand -hex 32` in your terminal to generate a random value.
UTILS_SECRET=8ef2ad2d78e410af9e2232526ad8201bc373d800330f2c813005713364b94466

# The default interface language. See translate.getoutline.com for a list of
# available language codes and their rough percentage translated.
DEFAULT_LANGUAGE=en_US


# ——————————————————————————————
# ————————————  DATABASE  ————————————
# ——————————————————————————————

# The database URL for your production database, including username, password, and
database name.
DATABASE_URL=postgres://user:pass@postgres:5432/outline

# The in-memory database pool per-process settings. Ensure that the pool size that will
not exceed
# the maximum number of connections allowed by your database. Defaults to 0 and 5.
DATABASE_CONNECTION_POOL_MIN=
DATABASE_CONNECTION_POOL_MAX=

# Uncomment this line if you will not use SSL for connecting to Postgres. This is
acceptable
# if the database and the application are on the same machine.
PGSSLMODE=disable


# ——————————————————————————————
# ————————————  REDIS  ————————————
```

```
# ————————————————————————————————

# The Redis URL for your environment you can either specify an ioredis compatible url or a
Base64
# encoded configuration object.
# DOCS: https://docs.getoutline.com/s/hosting/doc/redis-LGM4BFXYp4
#REDIS_URL=redis://10.69.4.140:6300

# To enable horizontal scaling of the collaboration service you must provide a Redis URL,
it may
# be the same as above, or a different server.
# DOCS: https://docs.getoutline.com/s/hosting/doc/horizontal-scaling-hkfU5Stao7
REDIS_COLLABORATION_URL=



# ————————————————————————————————
# ——————————  FILE STORAGE  ——————————
# ————————————————————————————————

# Specify what storage system to use. Possible value is one of "s3" or "local".
# For "local" images and document attachments will be saved on local disk, for "s3" they
# will be stored in an S3-compatible network store.
# DOCS: https://docs.getoutline.com/s/hosting/doc/file-storage-N4M0T6Ypu7
FILE_STORAGE=local

# If "local" is configured for FILE_STORAGE above, then this sets the parent directory
under
# which all attachments/images are stored. Make sure that the process has permissions to
# create this path and also to write files to it.
FILE_STORAGE_LOCAL_ROOT_DIR=./filedata

# Maximum allowed size for the uploaded attachment.
FILE_STORAGE_UPLOAD_MAX_SIZE=262144000

# Override the maximum size of document imports, generally this should be lower
# than the document attachment maximum size.
FILE_STORAGE_IMPORT_MAX_SIZE=

# Override the maximum size of workspace imports, these can be especially large
```

```
# and the files are temporary being automatically deleted after a period of time.
FILE_STORAGE_WORKSPACE_IMPORT_MAX_SIZE=

# To support uploading of images for avatars and document attachments in a distributed
# architecture, an s3-compatible storage can be configured if FILE_STORAGE=s3 above.
AWS_ACCESS_KEY_ID=get_a_key_from_aws
AWS_SECRET_ACCESS_KEY=get_the_secret_of_above_key
AWS_REGION=xx-xxxx-x
AWS_S3_ACCELERATE_URL=
AWS_S3_UPLOAD_BUCKET_URL=http://s3:4569
AWS_S3_UPLOAD_BUCKET_NAME=bucket_name_here
AWS_S3_FORCE_PATH_STYLE=true
AWS_S3_ACL=private
# Which HTTP method to use for presigned uploads. "post" (default) uses the
# traditional S3 presigned POST with multipart form data. "put" uses a single
# PUT request with a presigned URL. Set this to "put" for providers like
# Cloudflare R2 that do not support presigned POST.
AWS_S3_UPLOAD_METHOD=post

# Optional CloudFront CDN for attachment downloads (uploads stay on S3).
# Requires a key pair for signed URLs; otherwise downloads fall back to S3.
AWS_CLOUDFRONT_URL=
AWS_CLOUDFRONT_KEY_PAIR_ID=
AWS_CLOUDFRONT_PRIVATE_KEY=

# ————————————————————————————————
# ——————————————  SSL  ——————————————
# ————————————————————————————————

# Base64 encoded private key and certificate for HTTPS termination. This is one
# of three ways to configure SSL and can be left empty.
# DOCS: https://docs.getoutline.com/s/hosting/doc/ssl-pzk7WO8d1n
SSL_KEY=
SSL_CERT=

# Auto-redirect to https in production. The default is true but you may set to
# false if you can be sure that SSL is terminated at an external loadbalancer.
FORCE_HTTPS=true
```

```
# When behind a reverse proxy, the header to use for the client IP.
# The default value is "X-Forwarded-For", common values are "X-Real-IP"
# and "X-Client-IP".
# PROXY_IP_HEADER=

# Whether to trust the X-Forwarded-* headers (e.g. X-Forwarded-For,
# X-Forwarded-Proto) set by an upstream proxy. Set to false if not
# running behind a proxy in production.
# PROXY_HEADERS_TRUSTED=true


# ———————————————————————————————
# ——————————  AUTHENTICATION  ——————————
# ———————————————————————————————

# Third party signin credentials, at least ONE OF these is required for a
# working installation or you'll have no sign-in options.

# Slack sign-in provider
# DOCS: https://docs.getoutline.com/s/hosting/doc/slack-sgMujR8J9J
SLACK_CLIENT_ID=get_a_key_from_slack
SLACK_CLIENT_SECRET=get_the_secret_of_above_key

# Google sign-in provider
# DOCS: https://docs.getoutline.com/s/hosting/doc/google-hOuvtCmTqQ
GOOGLE_CLIENT_ID=
GOOGLE_CLIENT_SECRET=

# Microsoft Entra / Azure AD sign-in provider
# DOCS: https://docs.getoutline.com/s/hosting/doc/microsoft-entra-UVz6jsIOcv
AZURE_CLIENT_ID=
AZURE_CLIENT_SECRET=
AZURE_RESOURCE_APP_ID=

# Discord sign-in provider
# DOCS: https://docs.getoutline.com/s/hosting/doc/discord-g4JdWFFub6
DISCORD_CLIENT_ID=
DISCORD_CLIENT_SECRET=
DISCORD_SERVER_ID=
```

```
DISCORD_SERVER_ROLES=

# Generic OIDC provider
# DOCS: https://docs.getoutline.com/s/hosting/doc/oidc-8CPBm6uC0I
OIDC_CLIENT_ID=
OIDC_CLIENT_SECRET=
OIDC_AUTH_URI=
OIDC_TOKEN_URI=
OIDC_USERINFO_URI=
OIDC_LOGOUT_URI=

# Specify which claims to derive user information from
# Supports any valid JSON path with the JWT payload
OIDC_USERNAME_CLAIM=preferred_username

# Display name for OIDC authentication
OIDC_DISPLAY_NAME=OpenID Connect

# Space separated auth scopes.
OIDC_SCOPES=openid profile email



# ———————————————————————————————
# ————————————  EMAIL  ————————————
# ———————————————————————————————

# To support sending outgoing transactional emails such as "document updated" or
# email sign-in you'll need to connect an SMTP server. Service can be configured
# with any service from this list: https://community.nodemailer.com/2-0-0-beta/setup-
smtp/well-known-services/
# DOCS: https://docs.getoutline.com/s/hosting/doc/smtp-cqCJyZGMIB
#SMTP_SERVICE=smtp.porkbun.com
#SMTP_USERNAME=team@deternet.org
#SMTP_PASSWORD=fjtBTnVtBGg3&^i[]1Qg
#SMTP_FROM_EMAIL=team@deternet.org



# ———————————————————————————————
# ——————————  RATE LIMITER  ——————————
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# ————————————————————————————————

# Whether the rate limiter is enabled or not
RATE_LIMITER_ENABLED=true

# Individual endpoints have hardcoded rate limits that are enabled
# with the above setting, however this is a global rate limiter
# across all requests
RATE_LIMITER_REQUESTS=1000
RATE_LIMITER_DURATION_WINDOW=60

# Multiplier applied to the hardcoded per-endpoint API rate limits. Use values
# greater than 1 to make the limits more lenient (e.g. 2 doubles the allowed
# requests), or less than 1 to make them stricter. Effective limits are rounded
# to the nearest integer with a minimum of 1. Defaults to 1.
RATE_LIMITER_MULTIPLIER=1


# ————————————————————————————————
# ——————————  INTEGRATIONS  ——————————
# ————————————————————————————————

# GitHub integration allows previewing issue and pull request links
# DOCS: https://docs.getoutline.com/s/hosting/doc/github-GchT3NNxI9
GITHUB_CLIENT_ID=
GITHUB_CLIENT_SECRET=
GITHUB_WEBHOOK_SECRET=
GITHUB_APP_NAME=
GITHUB_APP_ID=
GITHUB_APP_PRIVATE_KEY=

# The GitLab integration allows previewing issue and merge request links
# DOCS:
GITLAB_CLIENT_ID=
GITLAB_CLIENT_SECRET=

# Linear integration allows previewing issue links as rich mentions
LINEAR_CLIENT_ID=
LINEAR_CLIENT_SECRET=
```

```
# For a complete Slack integration with search and posting to channels the
# following configs are also needed in addition to Slack authentication:
# DOCS: https://docs.getoutline.com/s/hosting/doc/slack-G2mc8DOJHk
SLACK_VERIFICATION_TOKEN=your_token
SLACK_APP_ID=A0XXXXXXX
SLACK_MESSAGE_ACTIONS=true

# Figma integration allows previewing design files as rich mentions
FIGMA_CLIENT_ID=
FIGMA_CLIENT_SECRET=

# For Dropbox integration, follow these instructions to get the key
https://www.dropbox.com/developers/embedder#setup
# and do not forget to whitelist your domain name in the app settings
DROPBOX_APP_KEY=

# Optionally enable Sentry (sentry.io) to track errors and performance,
# DOCS: https://docs.getoutline.com/s/hosting/doc/sentry-jxcFttcDl5
SENTRY_DSN=
SENTRY_TUNNEL=

# Enable importing pages from a Notion workspace
# DOCS: https://docs.getoutline.com/s/hosting/doc/notion-2v6g7WY3l3
NOTION_CLIENT_ID=
NOTION_CLIENT_SECRET=

# The Iframely integration allows previews of third-party content within Outline.
# For example, hovering over an external link will show a preview.
# DOCS: https://docs.getoutline.com/s/hosting/doc/iframely-HwLF1EZ9mo
IFRAMELY_URL=
IFRAMELY_API_KEY=


# ————————————————————————————————
# ———————————  DEBUGGING  ———————————
# ————————————————————————————————

# Have the installation check for updates by sending anonymized statistics to
```

```
# the maintainers
ENABLE_UPDATES=true

# Debugging categories to enable — you can remove the default "http" value if
# your proxy already logs incoming http requests and this ends up being duplicative
DEBUG=http

# Configure lowest severity level for server logs. Should be one of
# error, warn, info, http, verbose, debug, or silly
LOG_LEVEL=info
```

2. Files Location

https://docs.getoutline.com/s/hosting/doc/file-storage-N4M0T6Ypu7

3. Affine