

## FDP Information System Settings

### Overview

The Full Disclosure Project (FDP) information system can be customized through the use of configuration settings. For most projects, all relevant settings can be specified in environment variables that are accessible by the web application or in configuration files stored in the `../conf/` folder. In some cases, projects can choose to specify additional settings in the `fdp/settings.py` file.

### Django Settings

Many of the available settings for the FDP system are defined and handled through the Django web framework upon which the system is built.

For a full reference of Django settings, see: <https://docs.djangoproject.com/en/3.1/ref/settings/>

There are additional settings available for the FDP system that are defined by the Python packages which are integrated into it. These packages vary based on the hosting environment selected.

### Hosting Environment

The settings for the FDP system have been preconfigured for selected hosting environments, and can be managed in the `fdp/settings.py` file.

To configure for **any hosting environment**, add a comment in front of all `import` statements.

To configure for hosting in a **local development** environment, remove the comment from in front of:

```
from .local_settings import *
```

To configure for hosting in a **Microsoft Azure** environment, remove the comment from in front of:

```
from .azure_settings import *
```

Once a hosting environment is configured, specify its relevant settings using the below table.

### Logging

A preconfigured logging mechanism is available in the FDP system, and can be turned on in the `fdp/settings.py` file.

To enable file logging, remove the comment in front of the following line, and specify the file path:

```
FDP_ERR_LOGGING['handlers']['file']['filename'] = '/home/site/wwwroot/debug.log'
```

Then, to allow the assignment to the Django setting, remove the comment in front of the following line:

```
LOGGING = FDP_ERR_LOGGING
```

## FDP Settings

Host	Required	Environment Variable  ** Can be stored as Secret in Azure Key Vault replacing _ (underscores) with - (dashes)	Configuration File (.conf)	Default	Details
Azure		FDP_EXTERNAL_AUTHENTICATION		None	Additional authentication mechanism.
Azure	Required for Azure Key Vault	FDP_AZURE_KEY_VAULT_NAME			Name for Azure Key Vault. Must be defined to use Secrets in Azure Key Vault.
Azure	Required	FDP_SECRET_KEY **			Secret key for Django.
Azure		FDP_ALLOWED_HOST		From environment variable: WEBSITE_HOSTNAME	Host for Django to serve.
Azure		FDP_DATABASE_NAME		Fdp	Name of database.
Azure	Required	FDP_DATABASE_USER **			Username for database.
Azure	Required	FDP_DATABASE_PASSWORD **			Password for database.
Azure	Required	FDP_DATABASE_HOST			Host for database access.
Azure		FDP_DATABASE_PORT		5432	Port for database access.
Azure	Required	FDP_QUERYSTRING_PASSWORD **			URL-safe base64-encoded 32-byte key for querystring encryption.
Azure	Required	FDP_AZURE_STORAGE_ACCOUNT_NAME			Name for Azure Storage account.
Azure	Required	FDP_AZURE_STORAGE_ACCOUNT_KEY ** (Note: Add as environment variable for now.)			Access key for Azure Storage account.
Azure		FDP_AZURE_STORAGE_ACCOUNT_SUFFIX		blob.core.windows.net	Suffix for Azure Storage account.
Azure		FDP_AZURE_STATIC_CONTAINER		Static	Name for static files container.
Azure		FDP_AZURE_STATIC_EXPIRY		None	Seconds for static file expiration.
Azure		FDP_AZURE_MEDIA_CONTAINER		Media	Name for media files container.
Azure		FDP_AZURE_MEDIA_EXPIRY		1200	Seconds for media file expiration.
Azure		FDP_SOCIAL_AUTH_AZUREAD_TENANT_OAUTH2_KEY			Azure Active Directory client ID.
Azure		FDP_SOCIAL_AUTH_AZUREAD_TENANT_OAUTH2_TENANT_ID			Azure Active Directory tenant ID.
Azure		FDP_SOCIAL_AUTH_OAUTH2_WHITELISTED_DOMAINS			Azure Active Directory domain.
All		FDP_FROM_EMAIL	fdp_from_email	webmaster@localhost	FROM email address for system.
All		FDP_EMAIL_HOST	fdp_email_host	localhost	Host used to send emails.
All		FDP_EMAIL_HOST_USER **	fdp_email_host_user		User for login to send emails.
All		FDP_EMAIL_HOST_PASSWORD **	fdp_em		Password for login to send emails.
All		FDP_EMAIL_PORT	fdp_email_port	25	Port to send emails.
All		FDP_RECAPTCHA_PUBLIC_KEY	fdp_recaptcha_public_key		Public reCAPTCHA key.
All		FDP_RECAPTCHA_PRIVATE_KEY **	fdp_ca		Private reCAPTCHA key.
Local	Required	FDP_SECRET_KEY	fdp_sk		Secret key for Django.
Local		FDP_DATABASE_NAME	fdp_database_name	Fdp	Name of database.
Local		FDP_DATABASE_USER	fdp_database_user	django_fdp	Username for database.
Local	Required	FDP_DATABASE_PASSWORD	fdp_ps		Password for database.
Local		FDP_DATABASE_HOST	fdp_database_host	localhost	Host for database access.
Local		FDP_DATABASE_PORT	fdp_database_port	5432	Port for database access.
Local	Required	FDP_QUERYSTRING_PASSWORD	fdp_qs		URL-safe base64-encoded 32-byte key for querystring encryption.