

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.

Microsoft Azure Active Directory

When hosting in a Microsoft Azure environment is configured as described above, user authentication through an Azure Active Directory can be enabled by specifying the relevant Azure Key Vault secrets and Azure App Service application settings.

Additionally, to enforce user authentication through **only Azure Active Directory**, remove the comment from in front of:

```
from .azure_backend_only_settings import *
```

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 for Azure

For hosting in Microsoft Azure, it is recommended that the most sensitive settings are stored in Microsoft Azure Key Vault as Secrets. Less sensitive settings can be stored in the Azure App Service as Application Settings. The following is one possible configuration:

Required	Azure Key Vault Secret	Azure App Service Application Setting (environment variable)	Default	Details
		FDP_EXTERNAL_AUTHENTICATION	None	Additional authentication mechanism. Use <i>aad</i> for Azure Active Directory.
Required		FDP_AZURE_KEY_VAULT_NAME		Name for Azure Key Vault. Must be defined to use Secrets in Azure Key Vault.
Required	FDP-SECRET-KEY			Secret key for Django.
		FDP_ALLOWED_HOST	From environment variable: WEBSITE_HOSTNAME	Host for Django to serve.
		FDP_DATABASE_NAME	fdp	Name of database.
Required	FDP-DATABASE-USER			Username for database.
Required	FDP-DATABASE-PASSWORD			Password for database.
Required		FDP_DATABASE_HOST		Host for database access.
		FDP_DATABASE_PORT	5432	Port for database access.
Required	FDP-QUERYSTRING-PASSWORD			URL-safe base64-encoded 32-byte key for querystring encryption.
Required		FDP_AZURE_STORAGE_ACCOUNT_NAME		Name for Azure Storage account.
Required	FDP-AZURE-STORAGE-ACCOUNT-KEY (specify access key value)	FDP_AZURE_STORAGE_ACCOUNT_KEY (specify reference to secret)		Access key for Azure Storage account. Specify both in Azure Key Vault (using access key value), and in Azure App Service Application Setting (using reference to secret).
		FDP_AZURE_STORAGE_ACCOUNT_SUFFIX	blob.core.windows.net	Suffix for Azure Storage account.
		FDP_AZURE_STATIC_CONTAINER	static	Name for static files container.
		FDP_AZURE_STATIC_EXPIRY	None	Seconds for static file expiration.
		FDP_AZURE_MEDIA_CONTAINER	media	Name for media files container.
		FDP_AZURE_MEDIA_EXPIRY	20	Seconds for media file expiration.
	FDP-SOCIAL-AUTH-AZUREAD-TENANT-OAUTH2-KEY			Azure Active Directory client ID. Only checked if <i>aad</i> was specified for Azure Active Directory.
	FDP-SOCIAL-AUTH-AZUREAD-TENANT-OAUTH2-TENANT-ID			Azure Active Directory tenant ID. Only checked if <i>aad</i> was specified for Azure Active Directory.
	FDP-SOCIAL-AUTH-AZUREAD-TENANT-OAUTH2-SECRET			Azure Active Directory client secret. Only checked if <i>aad</i> was specified for Azure Active Directory.
		FDP_SOCIAL_AUTH_OAUTH2_WHITELISTED_DOMAINS		Azure Active Directory domain. Only checked if <i>aad</i> was specified for Azure Active Directory.
		FDP_FROM_EMAIL	webmaster@localhost	FROM email address for system.
		FDP_EMAIL_HOST	localhost	Host used to send emails.
	FDP-EMAIL-HOST-USER			User for login to send emails.
	FDP-EMAIL-HOST-PASSWORD			Password for login to send emails.
		FDP_EMAIL_PORT	25	Port to send emails.
		FDP_RECAPTCHA_PUBLIC_KEY		Public reCAPTCHA key.
	FDP-RECAPTCHA-PRIVATE-KEY			Private reCAPTCHA key.

FDP Settings for Local Development

For hosting in a local development environment, it is recommended that settings are stored in configuration files. The following is one possible configuration:

Required	Configuration File (.conf)	Default	Details
	fdp_from_email	webmaster@localhost	FROM email address for system.
	fdp_email_host	localhost	Host used to send emails.
	fdp_email_host_user		User for login to send emails.
	fdp_em		Password for login to send emails.
	fdp_email_port	25	Port to send emails.
	fdp_recaptcha_public_key		Public reCAPTCHA key.
	fdp_ca		Private reCAPTCHA key.
Required	fdp_sk		Secret key for Django.
	fdp_database_name	fdp	Name of database.
	fdp_database_user	django_fdp	Username for database.
Required	fdp_ps		Password for database.
	fdp_database_host	localhost	Host for database access.
	fdp_database_port	5432	Port for database access.
Required	fdp_qs		URL-safe base64-encoded 32-byte key for querystring encryption.