Django Models and Admin

The Data Backbone of the Django Environment

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Agenda

- Django Admin Refresher
- The Models
- Admin Tables and Data
- Migrate and Updates
- Customizations

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The Admin App Review

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Django Admin Site

- Site address/admin to login
- Create an admin user: python3 manage.py createsuperuser
- Manage Security and permissions (groups)
- Edit Tables here if in the admin.py file

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General Models

- Table name all lower, prefixed by app name
- Supports multiple DB types
- Simple definition and class that can be utilized
- Includes foreign keys, default id primary key

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Administer Models

- Admin and Models tie together via names
- Linking to other tables and selectors
- Display, Filters, Search
- Listed on the admin site by application

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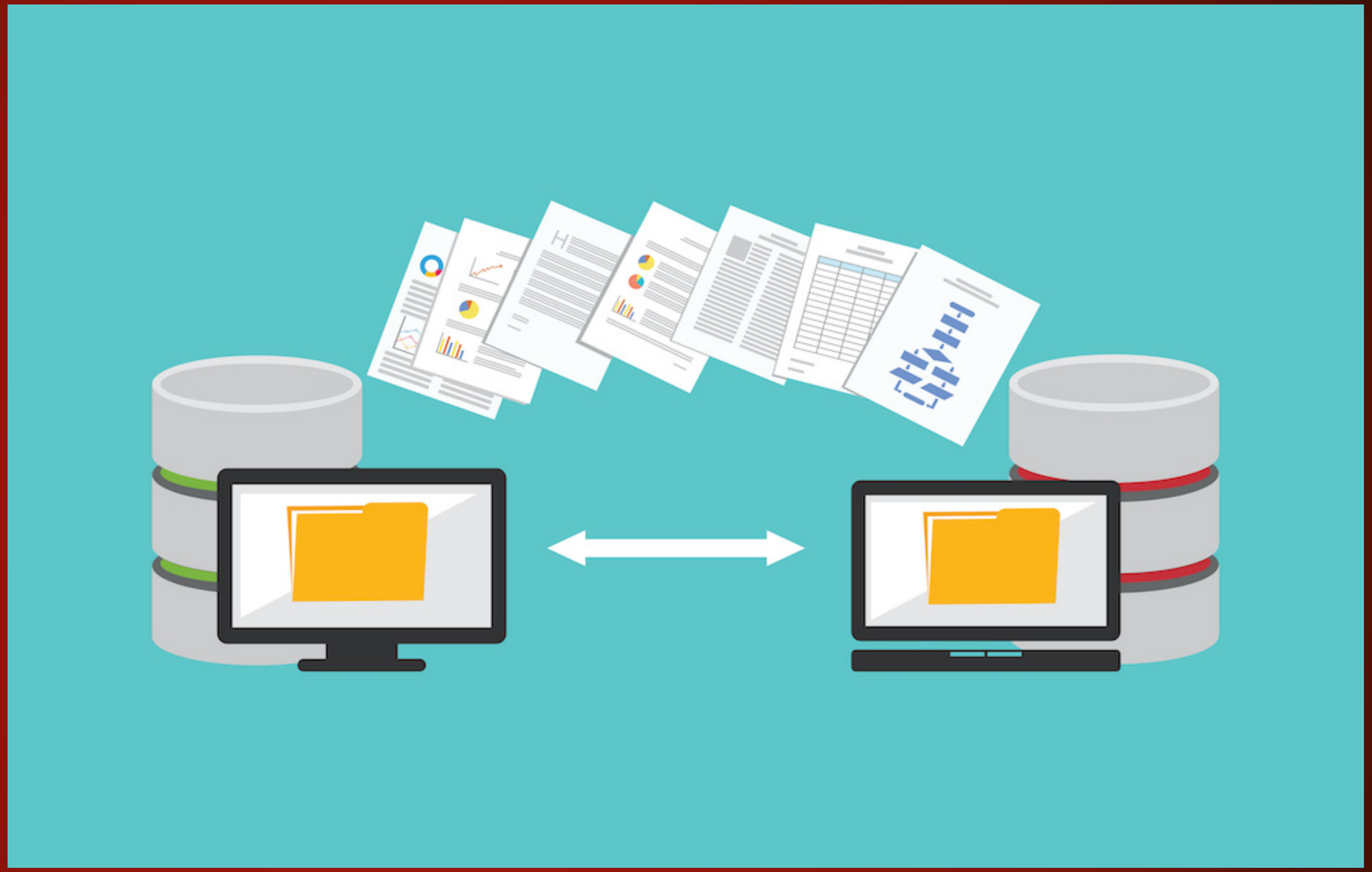
Working Session

Migrating Changes



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Migration Options

ADD A TABLE

REMOVE A TABLE

CHANGE COLUMN ATTRIBUTES

ADD A COLUMN

CHANGE A RELATIONSHIP

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Model Changes

- Simple Steps
- Modify models.py, maybe admin.py
- Python3 manage.py makemigrations [appname]
- Python3 manage.py migrate
- Model options

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Working Session

https://docs.djangoproject.com/en/3.0/ref/models/fields/

What We Learned

- The Django admin tool is a powerful data modifier and browser.
- Django provides a rich set of tools for working with data.
- Data Migrations are easy to manage in Django.
- The Admin site is just the tip of the iceberg.

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Questions and Comments?

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Thank You!

I appreciate your time and would love to discuss any of this further. You can send questions, comments and suggestions through any of these methods.

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