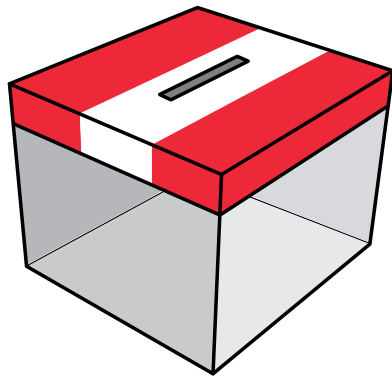


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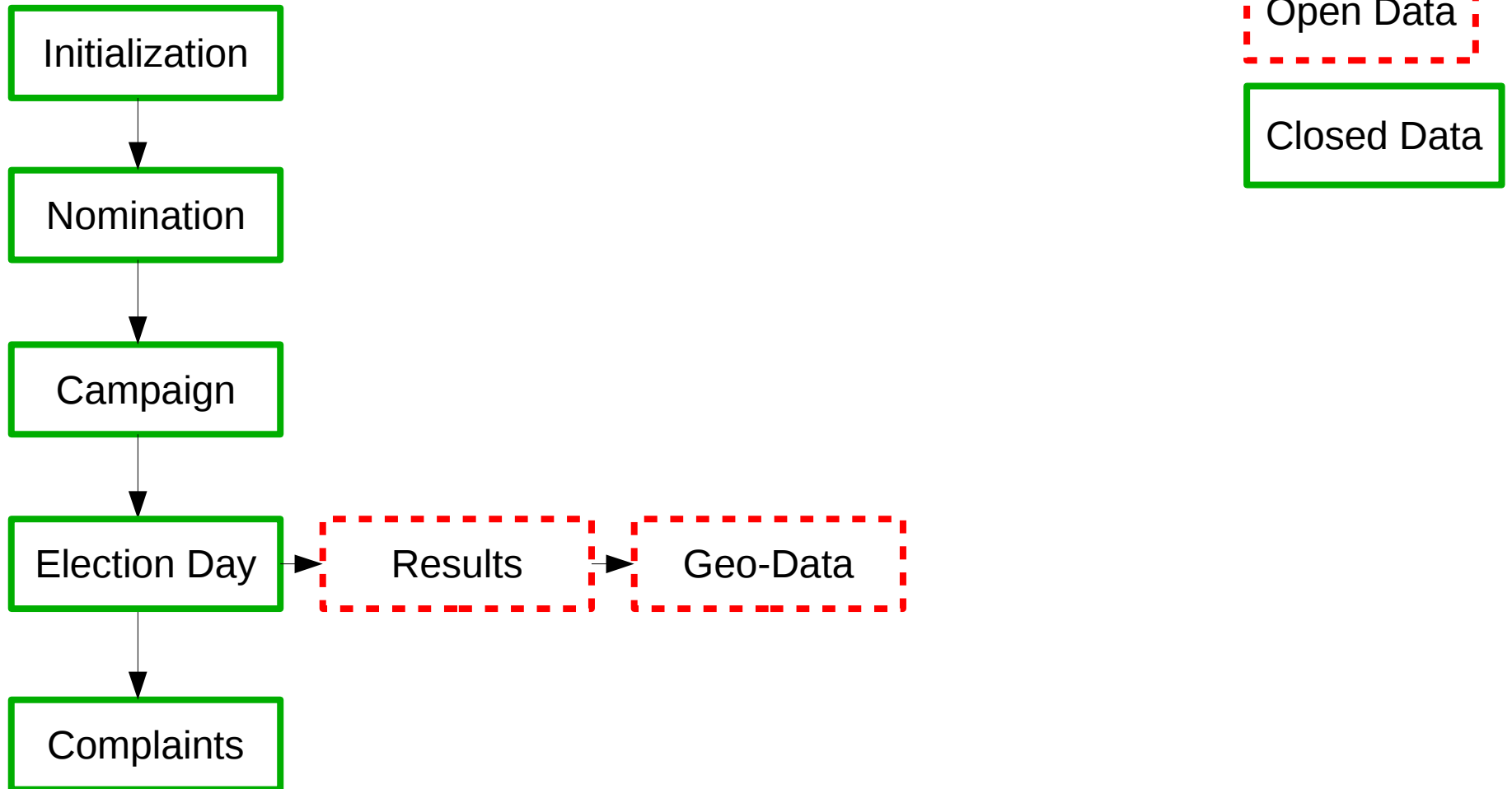
What is Open Data?

“Open data and content can be **freely used, modified, and shared** by anyone for any purpose.”

– Open Definition



Election Data in AT



Why Open Election Data?

- Useage

Why Open Election Data?

- Useage
- Education

Why Open Election Data?

- Useage
- Education
- Transparency

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Open Election Data API

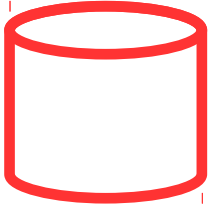
Tech

We use Django with:

- Django REST Framework plugin
- Django REST Swagger plugin
- pytest + travis CI + coverage + coveralls
- Deployment: Scaleway, Heroku, etc.

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Create Data Model



Create Data Model

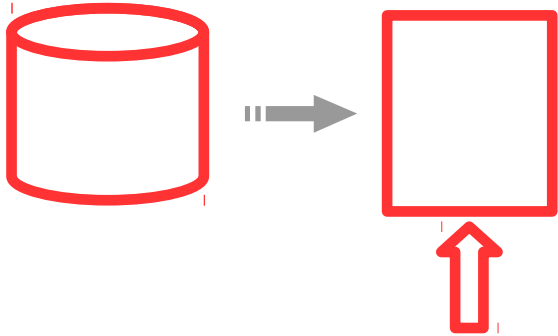
do:

- setup: install REST framework extension, add to settings
- create classes in models.py to define database tables = API output data.

→ Makes database interaction easy and understandable.

Create Data Model

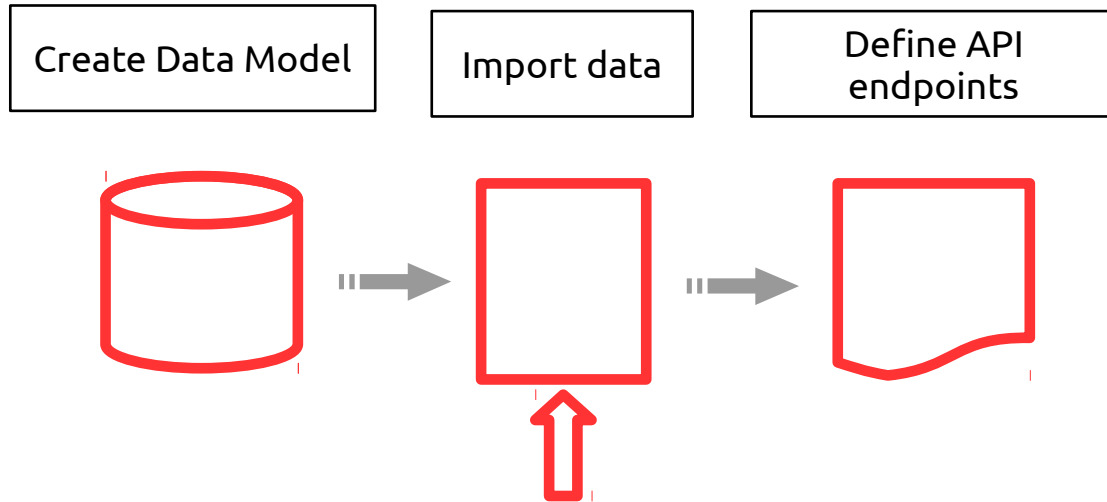
Import data



Import data

do:

- write scripts in commands/

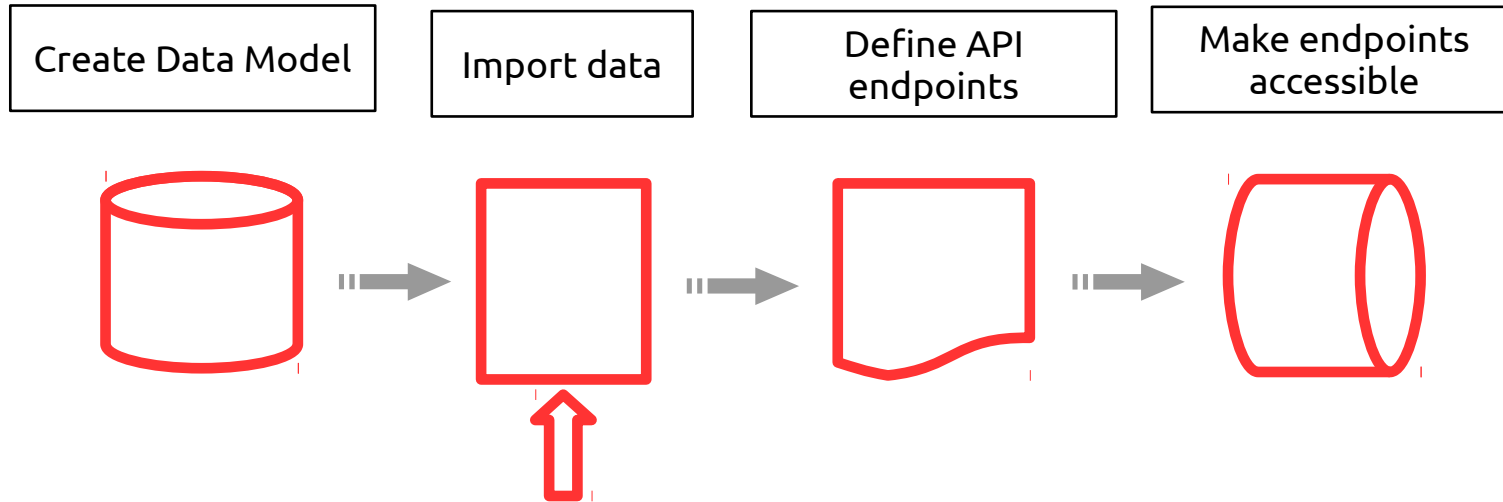


Define API endpoints

do:

- write `serializers.py` and `views_api.py` to define structure and content of the API output.

→ **Extends a Django app in a few minutes with an API functionality.**

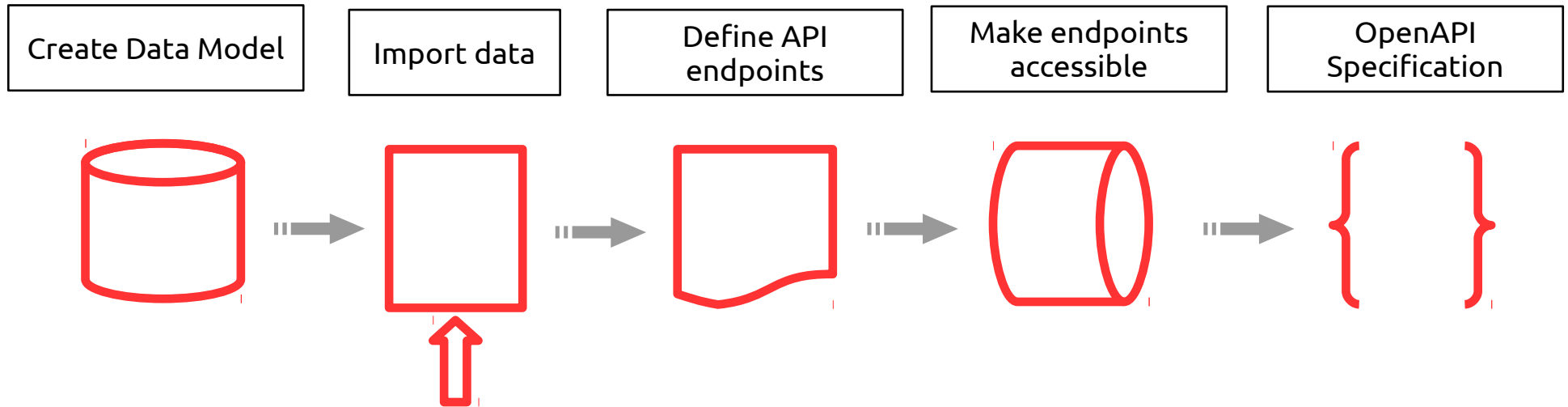


Make endpoints accessible

do:

- update urls.py
- create api.html

Makes our data accessible on the web.

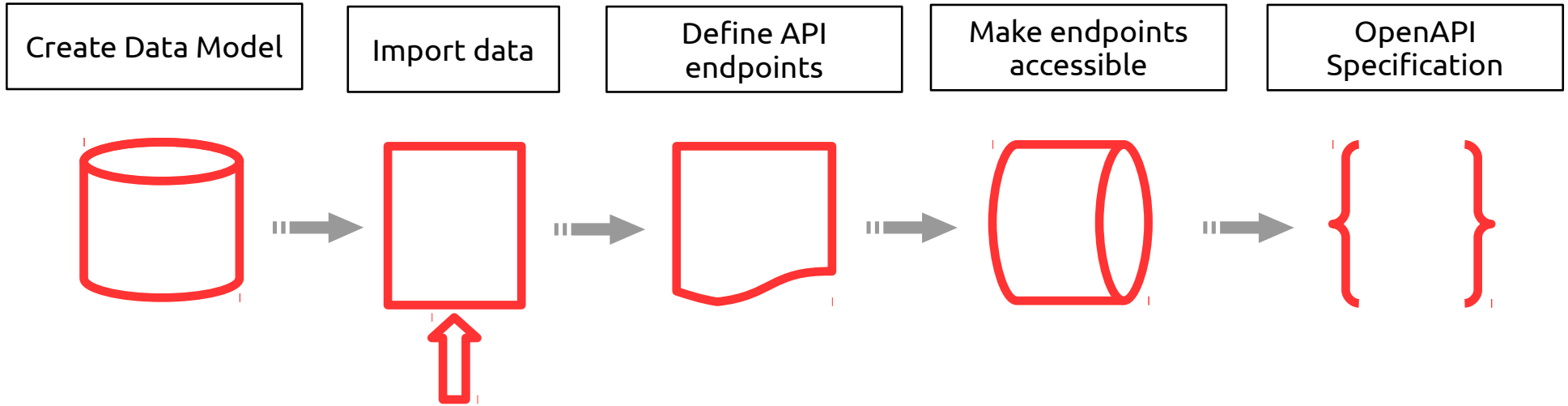


OpenAPI standard

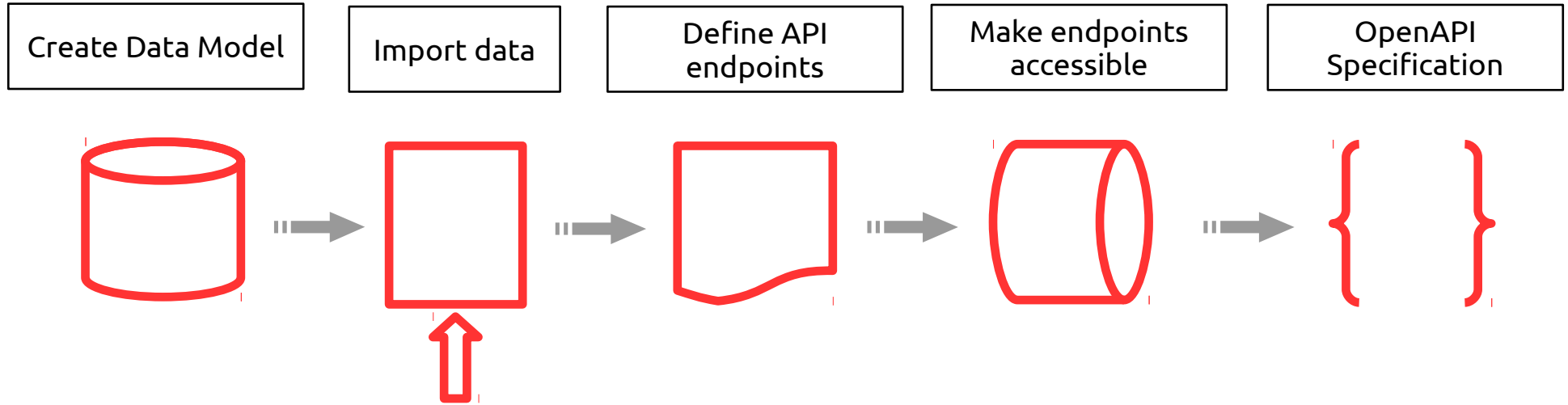
do:

- install swagger extension
- add to urls.py
- licensing

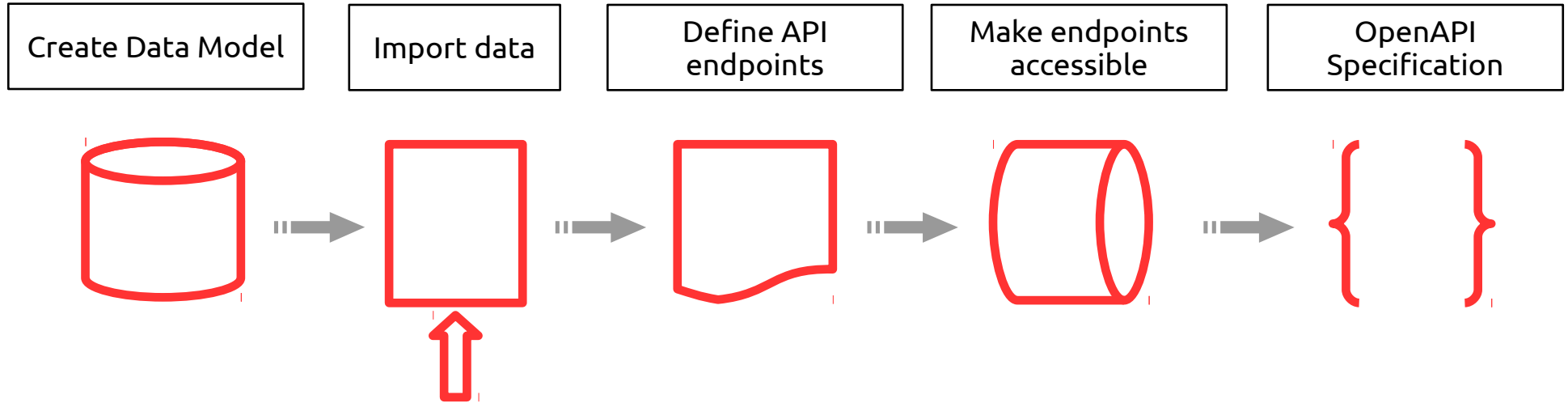
Automatically creates a standardized OpenAPI Specification with an user interface for each API endpoint.



easy



configurable



out of the box

Open Source

=

Open Community

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**Knowledge is Power,
Open Knowledge is
Empowerment!**



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