# **Document Sequence**

Creating a document sequence in Frappe involves several steps, including setting up the necessary doctype, creating a sequence record, and implementing the autoname function in your custom doctype. Here's a step-by-step guide:

# Step 1: Create the Document Sequence Doctype

- 1. **Define Fields**: Create a new Doctype named Document Sequence. This doctype should have the following fields:
  - for doctype: Link field to DocType.
  - next\_id: Integer field for the next sequence number.
  - prefix: Data field for any prefix in the sequence.
  - suffix: Data field for any suffix in the sequence.
  - Increment: Integer field to define the increment value for each new document.
- 2. **Permissions**: Set appropriate permissions for this doctype.

### **Step 2: Create a Sequence Record**

- 1. Navigate to Document Sequence: Go to the Document Sequence list view in your Frappe site.
- 2. Add a New Record: Click on "New" to create a new sequence.
- 3. Fill Details: Enter the details for the sequence. For example:
  - for\_doctype: "Log And Email"
  - next id:1 (or your starting point)
  - prefix: "LOG-" (or your desired prefix)
  - suffix: "-2023" (or your desired suffix)
  - increment: 1 (or your desired increment)

## **Step 3: Implement Autoname Function in Custom Doctype**

- 1. Create/Edit Custom Doctype: Go to your custom doctype, in this case, "Log And Email".
- 2. **Add Python Code**: In the Python file for your doctype (e.g., log\_and\_email.py), implement the autoname function using the provided code.

3. **Save and Reload**: Save your changes and reload the server if necessary.

### **Step 4: Test the Implementation**

- 1. Create a New Record: Go to the "Log And Email" doctype and create a new record.
- 2. Verify Autoname: Ensure that the document is named according to the sequence you set up.

#### **Additional Considerations**

- **Error Handling**: Make sure your code gracefully handles any errors, such as missing sequence records.
- **Concurrency**: If your application has high concurrency, consider implementing a locking mechanism to avoid duplicate names.
- **Customization**: You can further customize the sequence logic based on your specific requirements.

By following these steps, you can create a document sequence in Frappe and use it to automatically name new documents in your custom doctype.