

# Cache object using Hive in flutter

Sure, here's a simplified version:

## 1. Add Dependencies:

In `pubspec.yaml`, add:

```
dependencies:  
  hive: ^2.2.0  
  hive_flutter: ^1.1.0  
dev_dependencies:  
  hive_generator: ^1.1.0  
  build_runner: ^2.1.0
```

Run `flutter pub get`.

## 2. Initialize Hive:

In `main.dart`, initialize Hive:

```
import 'package:flutter/material.dart';  
import 'package:hive_flutter/hive_flutter.dart';  
  
void main() async {  
  WidgetsFlutterBinding.ensureInitialized();  
  await Hive.initFlutter();  
  runApp(MyApp());  
}
```

## 3. Define Your Model:

Create a model class:

```
import 'package:hive/hive.dart';  
  
part 'my_model.g.dart';  
  
@HiveType(typeId: 0)  
class MyModel extends HiveObject {  
  @HiveField(0)  
  final String name;
```

```

    @HiveField(1)
    final int age;

    MyModel({required this.name, required this.age});
  }

```

Run `flutter packages pub run build_runner build` to generate code.

#### 4. Open a Box:

Register your model and open a box:

```

void main() async {
  WidgetsFlutterBinding.ensureInitialized();
  await Hive.initFlutter();
  Hive.registerAdapter(MyModelAdapter());
  await Hive.openBox<MyModel>('myBox');
  runApp(MyApp());
}

```

#### 5. Save and Retrieve Data:

To save and get data:

```

import 'package:flutter/material.dart';
import 'package:hive/hive.dart';

class MyHomePage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Hive Example'),
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            ElevatedButton(
              onPressed: () async {
                var box = Hive.box<MyModel>('myBox');
                var myModel = MyModel(name: 'John Doe', age: 25);
                await box.put('myKey', myModel);
              },

```

```

        child: Text('Save Data'),
      ),
      ElevatedButton(
        onPressed: () async {
          var box = Hive.box<MyModel>('myBox');
          var myModel = box.get('myKey') as MyModel?;
          if (myModel != null) {
            print('Name: ${myModel.name}, Age: ${myModel.age}');
          }
        },
        child: Text('Retrieve Data'),
      ),
    ],
  ),
);
}
}

```

Just follow these steps to use Hive for local storage in your Flutter app.