

Build your apps
on the shoulders
of giants

Jonathan Dick
Components Team
@redth



I let other developers
make me look good

Programming is Flipping Hard Work!

- Is there already a (free) solution?
- Is it economical to purchase
- Most C# will work!



Xamarin Evolve 2014

Hi, I'm Jonathan Dick

By using Xamarin's Components store you can build your apps faster and improve how they look and how they perform.

"If I have seen further it is by standing on
the shoulders of Giants."

Sir Isaac Newton

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200+

<http://components.xamarin.com>

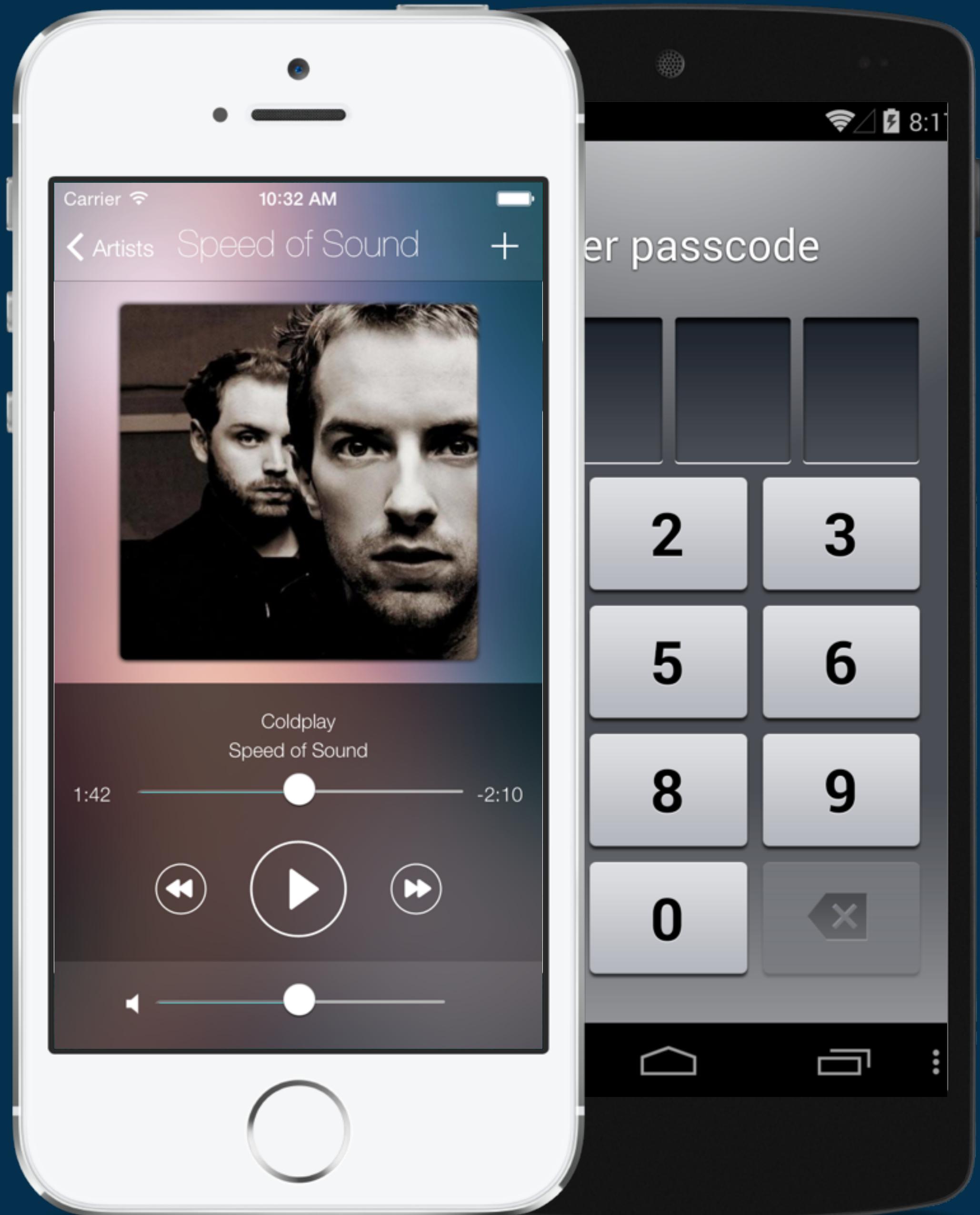
Anatomy of a Component

Types of Components

- Themes
- User Controls
- Libraries

What's Inside?

- Videos / Screenshots
- Reusable Libraries
- Documentation
- Getting Started Guide
- Sample Solutions

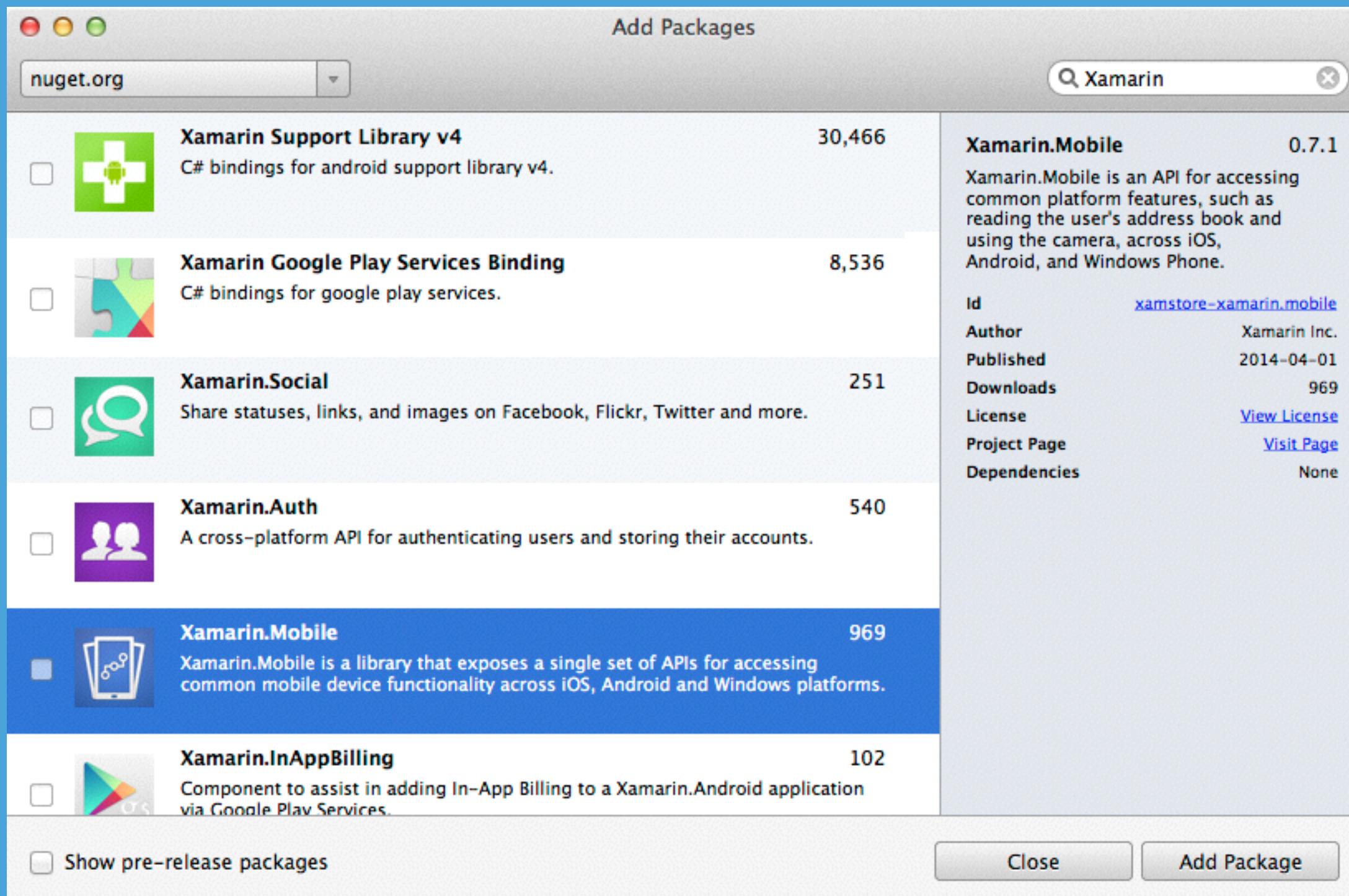


What about NuGet?



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Xamarin Studio NuGet Support



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Components vs NuGet

Not mutually exclusive!

- NuGets are great for distributing reusable code...
- **NOT** so great for distributing documentation and samples
- Components are Important to us
 - Samples, Getting Started
 - Curation - review process
 - Paid Components



Meet some of the giants

Syncfusion Essential Studio

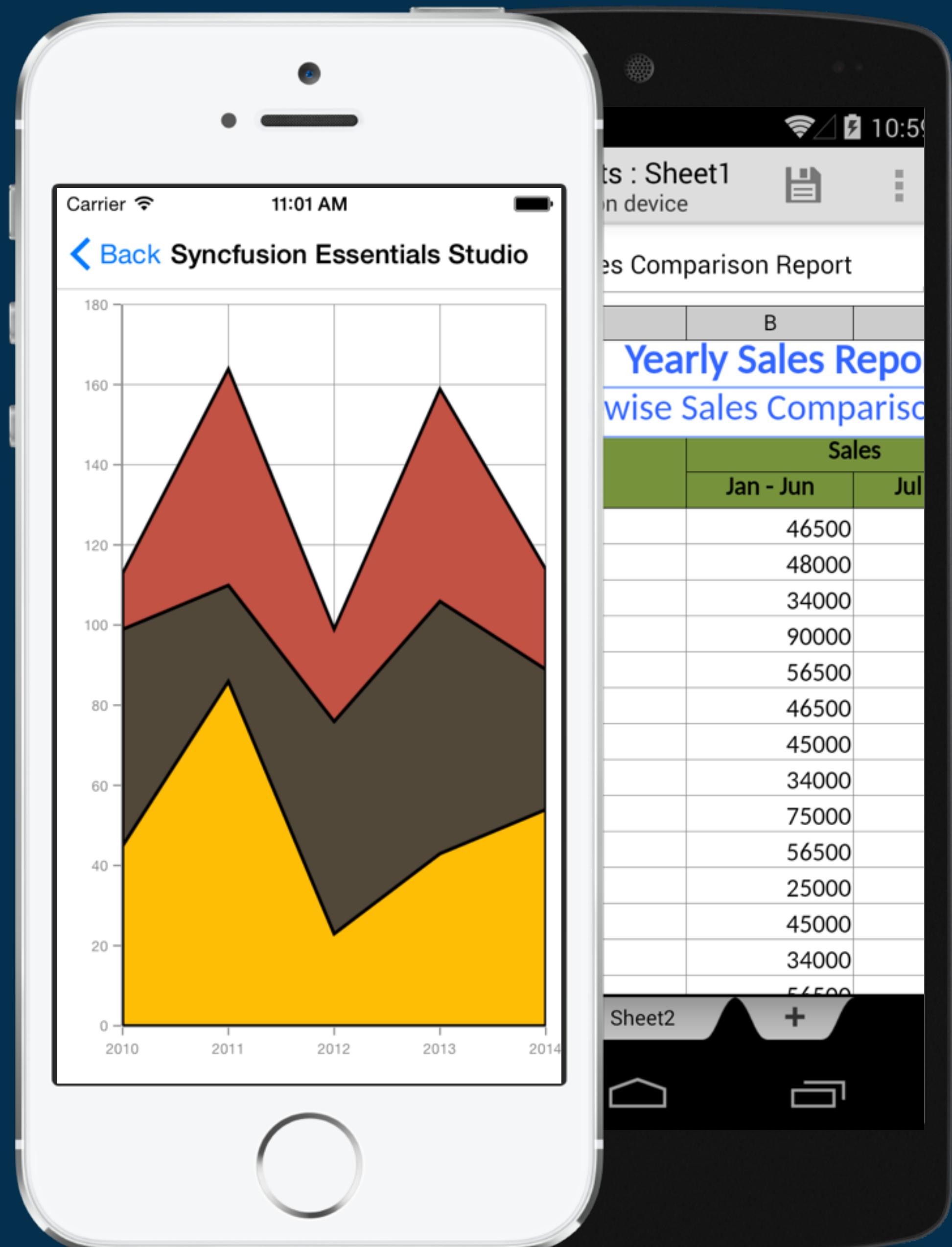
Xamarin.Forms Data Visualizations

- Charts
- Guages
- Tree Maps

Document Viewing & Creation

- Microsoft Word & Excel Documents
- PDF

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Modern HTTP Client

Native System.Net.Http Handlers



- Android: Square's OkHttp Library
- iOS: NSURL* API's

```
using System.Net.Http;
```

```
// iOS  
var httpClient = new HttpClient(new NSUrlSessionHandler());
```

```
// Android  
var httpClient = new HttpClient(new OkHttpNetworkHandler());
```

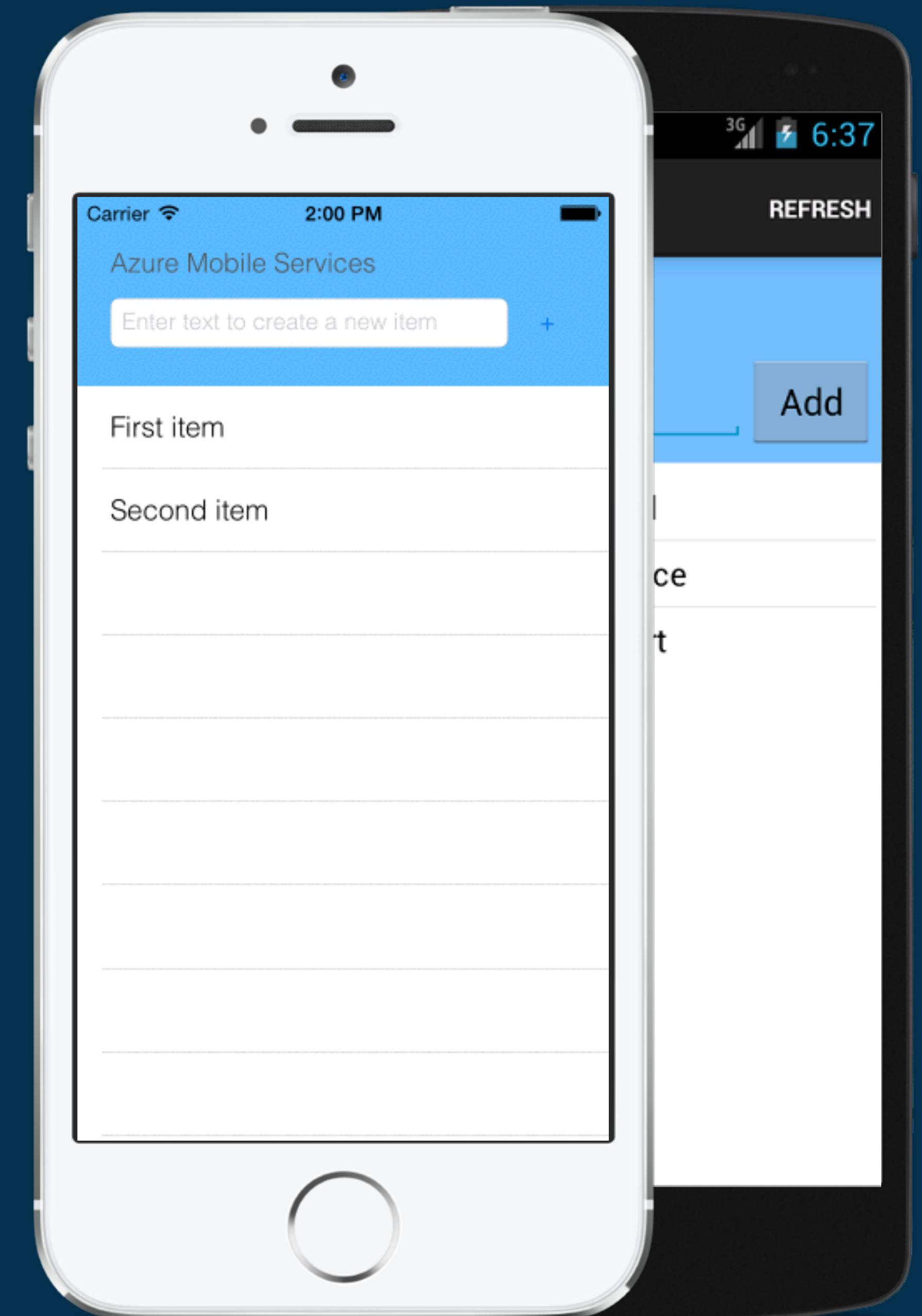
Azure Mobile Services

Authentication

```
var provider = MobileServiceAuthenticationProvider  
    .GoogleAccount;  
  
var user = await azure.LoginAsync(view, provider);
```

Data Storage

```
var client = new MobileServiceClient ("URL", "KEY");  
  
var todoTable = client.GetTable<TodoItem>();  
  
await todoTable.InsertAsync(new TodoItem {  
    Title = "Find the monkey"  
});
```



Couchbase Lite .NET

Lightweight, NoSQL, syncable database engine



```
// Create a document
var doc = Database.CreateDocument();

// Save a document
var result = doc.PutProperties (
    new Dictionary<string, object> {
        { "text", value },
        { "check", false },
        { "created_at", jsonDate }
});

// Read a document
var doc = this.Database.GetExistingDocument (documentID);
IDictionary<string,object> contents = doc.Properties;
```

Bindings to Native libraries



Google Cardboard
Android Bindings



Facebook
iOS / Android Bindings



Amazon Fire Phone
Android Bindings

Demo

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Find a Giant.
Be a Giant.



Q&A

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