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Azure AD B2C in your next consumer app

Simon Waight, Microsoft MVP - Azure

INNOVATION DAYS

Let's make things better!

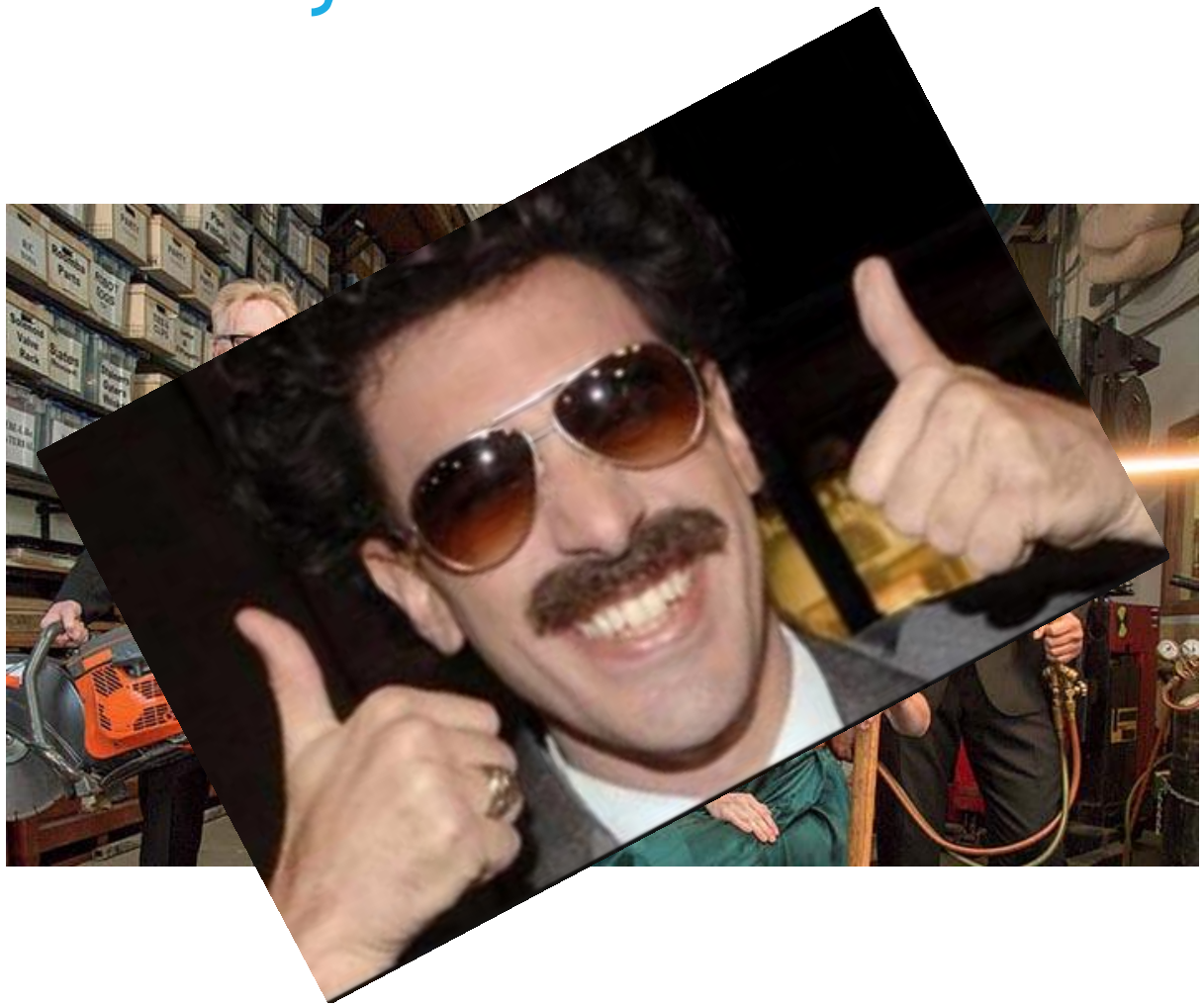
A bit about me…

- Simon Waight | @simonwaight | https://blog.siliconvalve.com/
- Run the Azure Sydney User Group| Meetup site: http://bit.ly/ZdRKke
- Work for Kloud Solutions | https://blog.kloud.com.au/
- Microsoft MVP for Azure

Session overview

- Quick Azure AD (AAD) Business to Consumer (B2C) overview.
- Demo: our consumer application scenario.
- Wrap up.

Less death by PowerPoint. More…



Azure AD B2C overview

What is Azure AD B2C?

- Scalable and secure consumer identity management platform.
- Supports built-in or brokered identity providers.
- Configuration-over-code solution.
- Extensible profile system based on schema similar to Azure AD.
- A single AAD B2C instance can provide SSO for multiple apps.

"Azure Active Directory B2C helps us bring the stadium closer to our 450 million fans around the globe with simplified registration and login through social accounts, like Facebook, or traditional username/passwords."

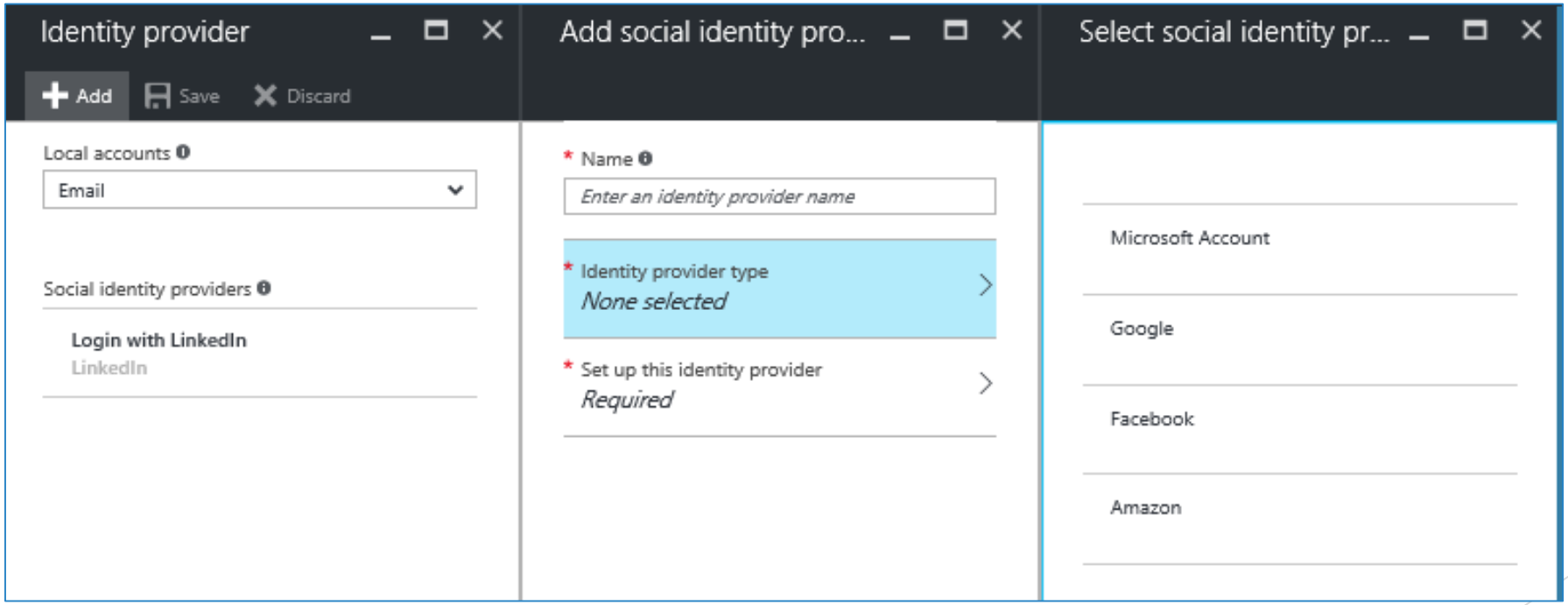
RAFAEL DE LOS SANTOS
HEAD OF DIGITAL
REAL MADRID

- Provided a seamless experience across mobile applications on any platform
- Built a fully customized login page without custom code
- Alleviated concerns about security, data breaches, and scalability
- http://www.realmadrid.com/en/login

Azure AD B2C overview

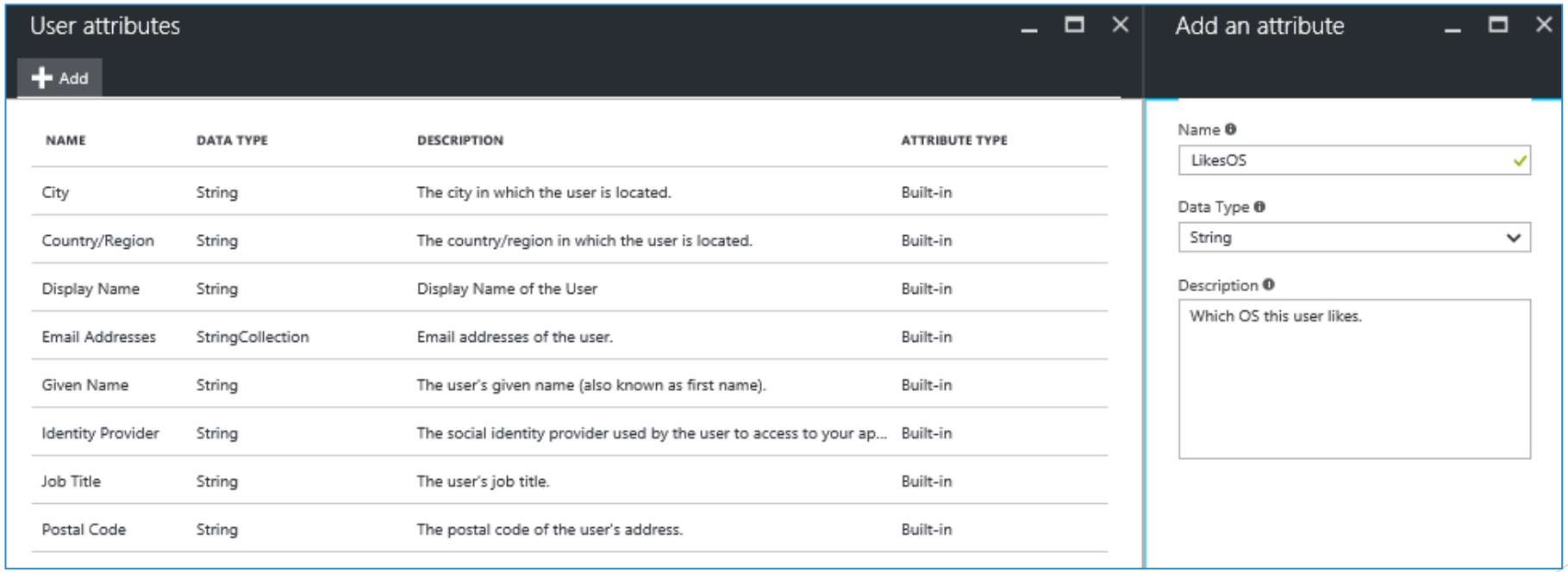
Identity Providers (IdPs)

- Built-in (email or username) or Social



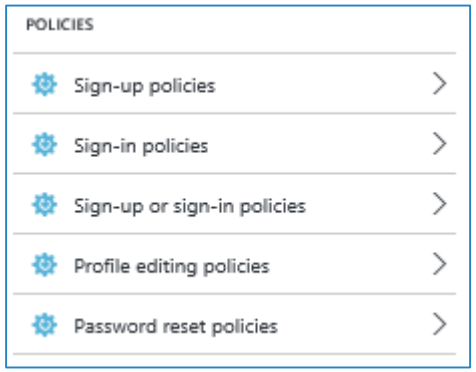
User attributes

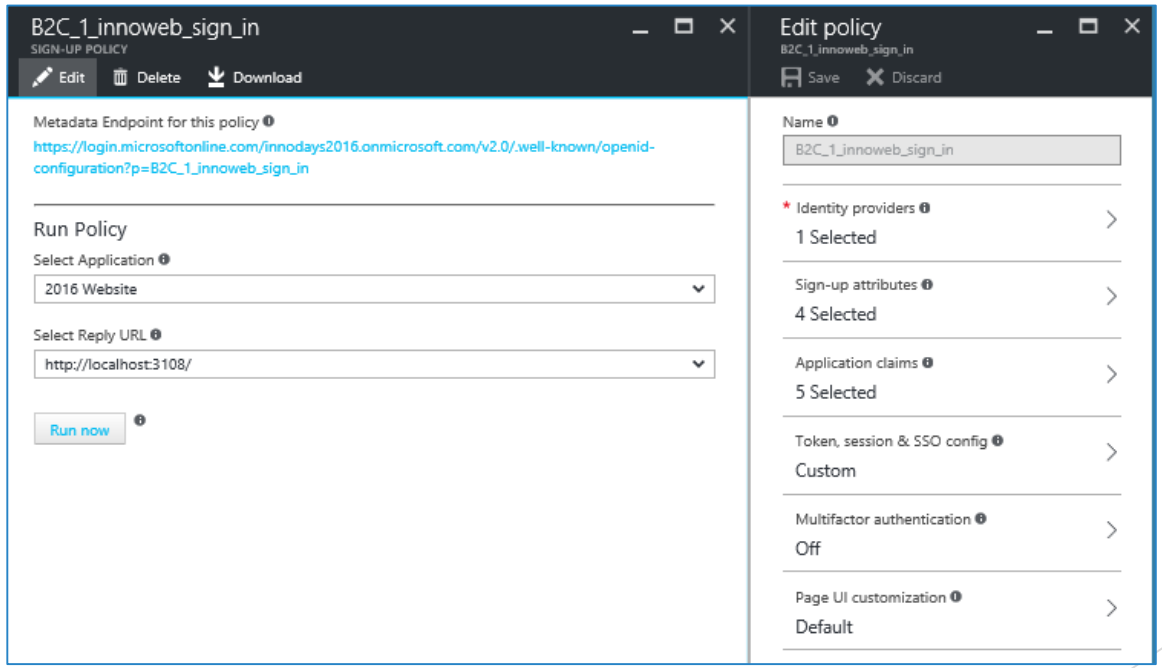
- Defines superset of attributes a user profile can have.



Policies

- Customise IdPs, profile attributes, claims, security and UX.
- Create multiple and invoke by appending to metadata endpoint.



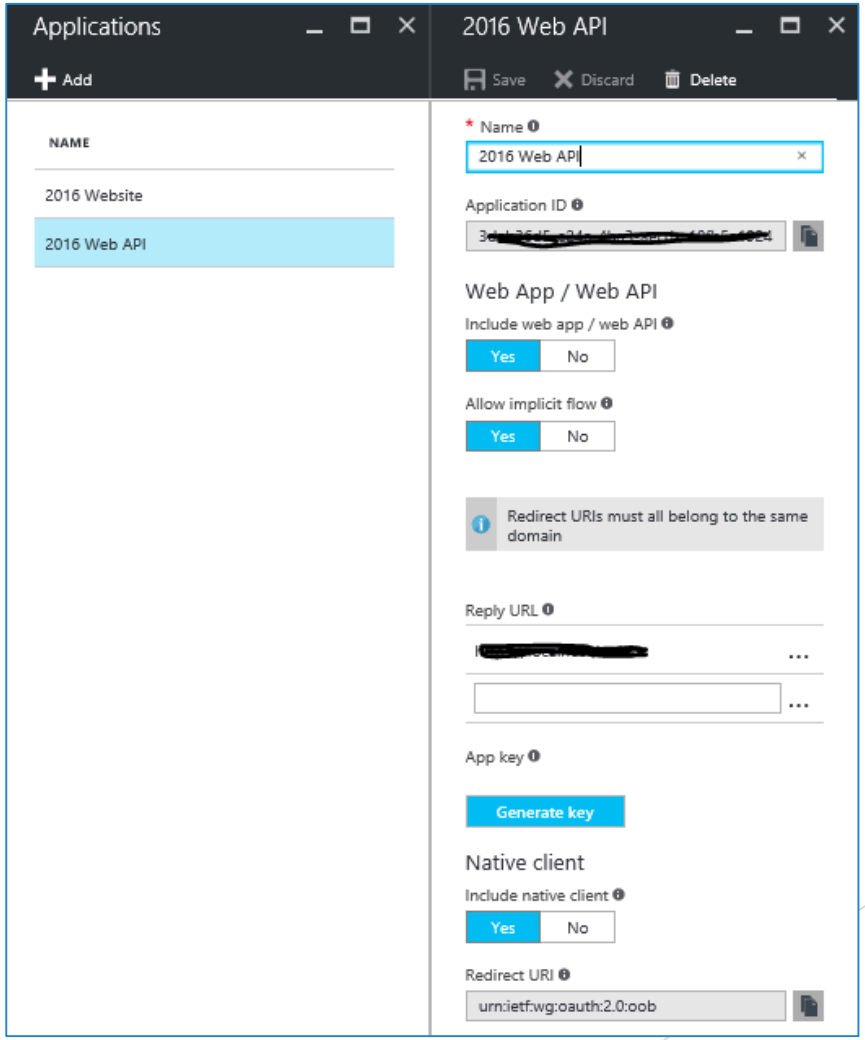


https://login.microsoftonline.com/innodays2016.onmicrosoft.com/v2.0/.well-known/openid-configuration?**p=B2C_1_innoweb_sign_in**

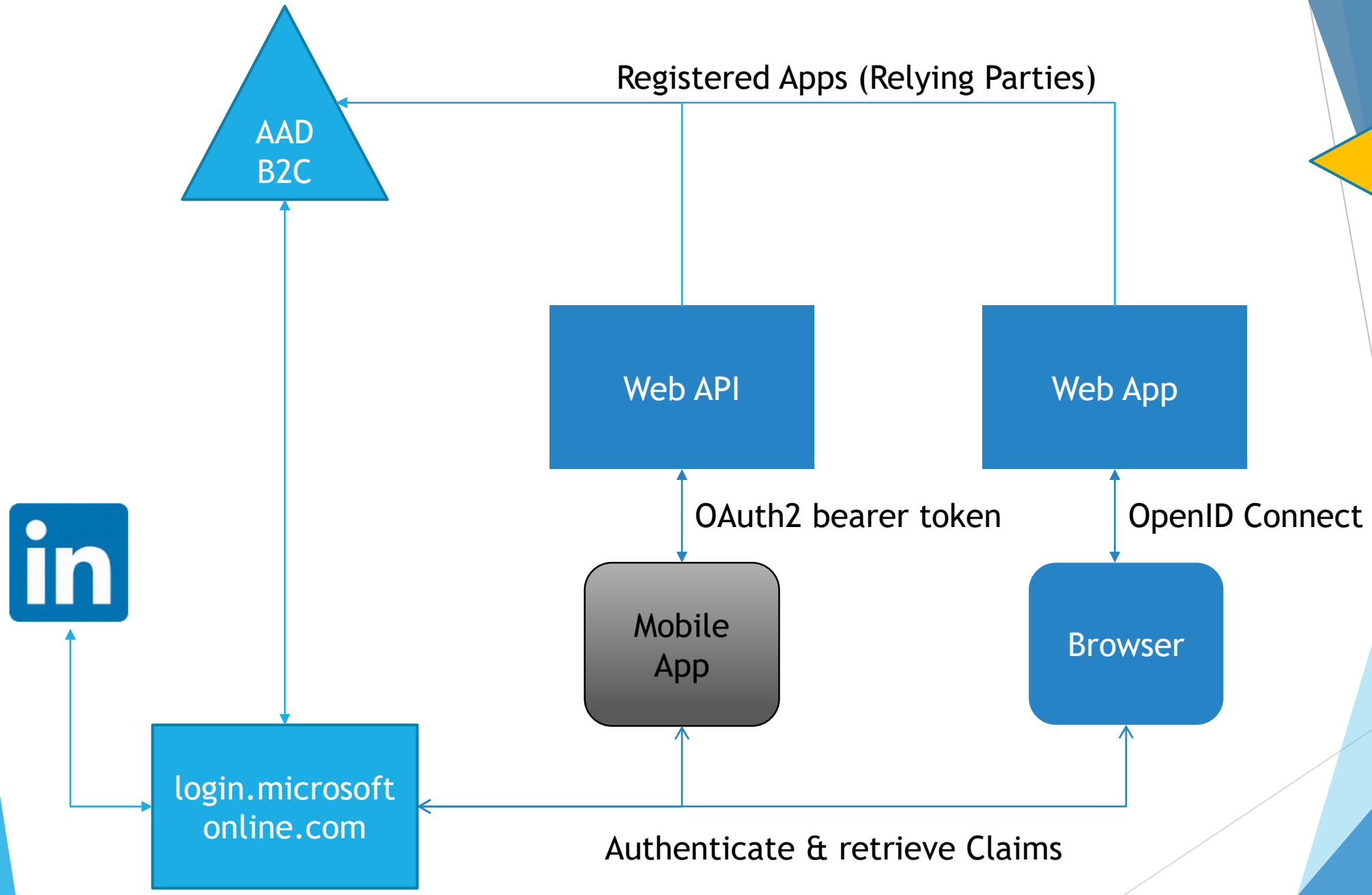
Policy

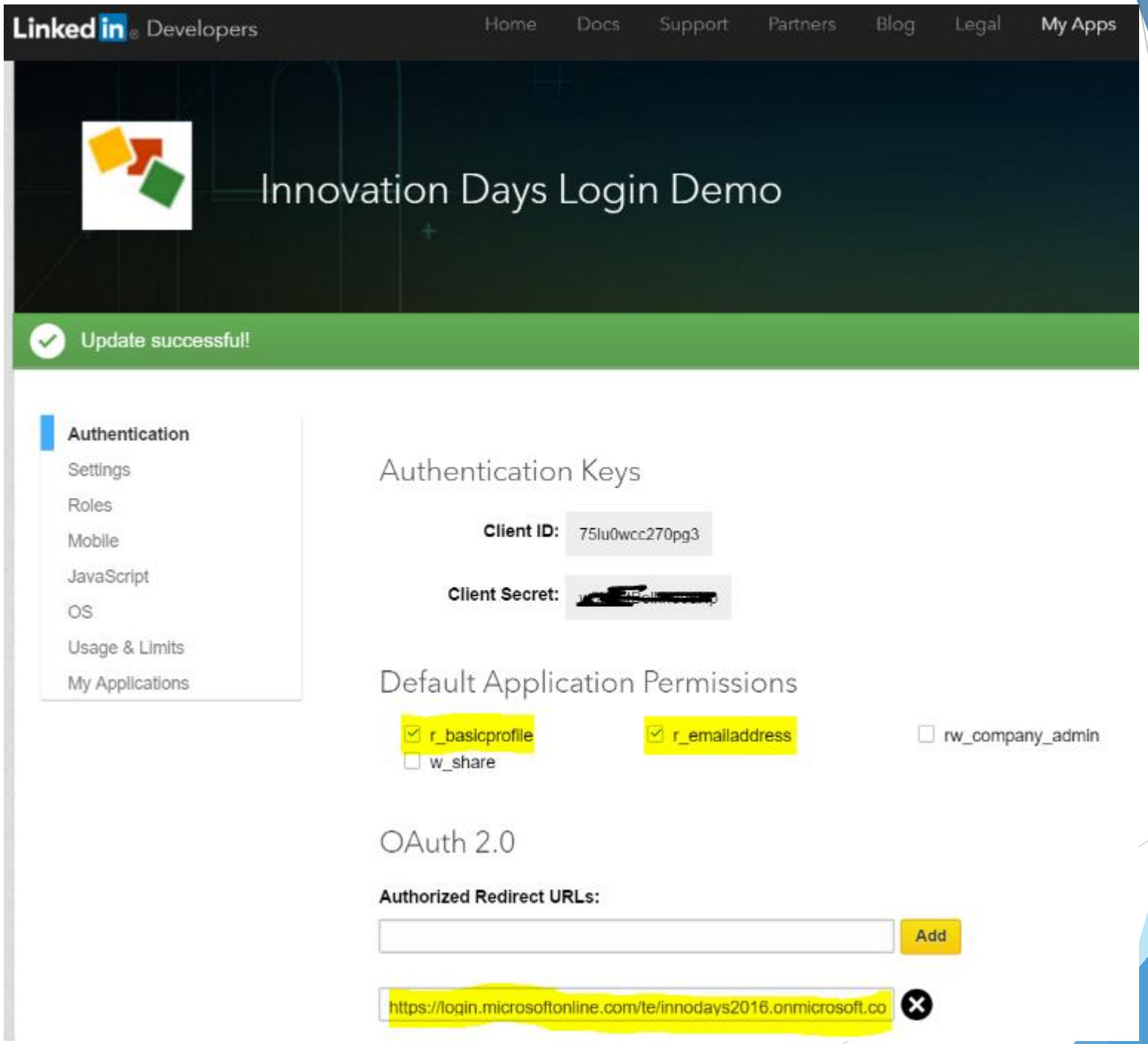
Applications

- Secured by identities and can access claims as determined by Policy invoked at authentication time.



Our scenario


AAD
B2C
Registered Apps (Relying Parties)
Not drawn to scale (or accuracy)
Web API
Web App
OAuth2 bearer token
OpenID Connect
Mobile App
Browser
login.microsoft online.com
Authenticate & retrieve Claims


Linked in Developers
Home
Docs
Support
Partners
Blog
Legal
My Apps
Innovation Days Login Demo
Update successful!
Authentication
Settings
Roles
Mobile
JavaScript
OS
Usage & Limits
My Applications
Authentication Keys
Client ID:
75lu0wcc270pg3
Client Secret:
Default Application Permissions
r_basicprofile
r_emailaddress
rw_company_admin
w_share
OAuth 2.0
Authorized Redirect URLs:
Add
https://login.microsoftonline.com/te/innodays2016.onmicrosoft.co

Wrapping up

https://github.com/sjwaight/innovationdays2016/

In summary

- If you have identity or profile management needs AAD B2C has to be on your radar (seriously… stop writing and hosting your own).
- A single AAD B2C tenant can host a multitude of consuming apps that can share profile information as required. Perfect for large consumer-focused organisations.
- A few “gotchas”:
  - Only Generally Available (GA) in North America (September 2016)
  - OAuth 2.0 and OpenID Connect implementations not feature complete.
  - ADAL to MSAL migration ongoing.
  - User management experience in state of flux*.

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