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Azure AD B2C

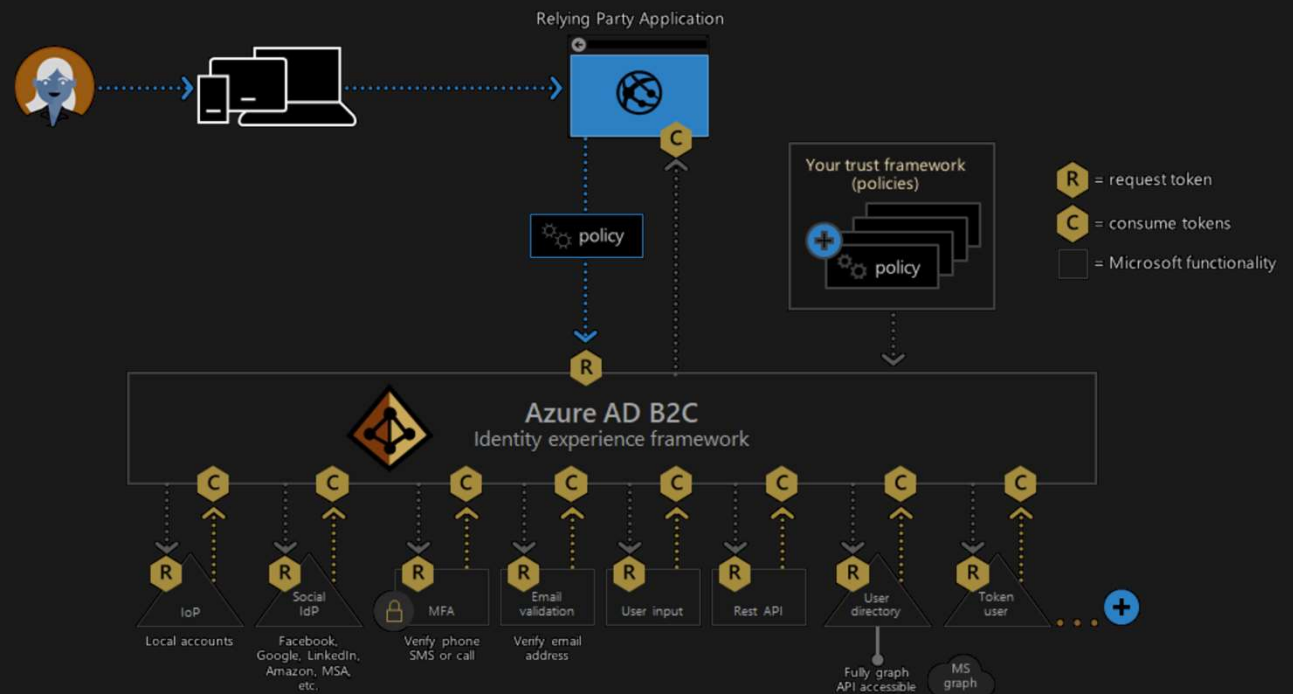
External Identities



Azure AD B2C

Også kalt Azure AD
External Identities?

Leveres av Microsoft
som en del av Azure
AD



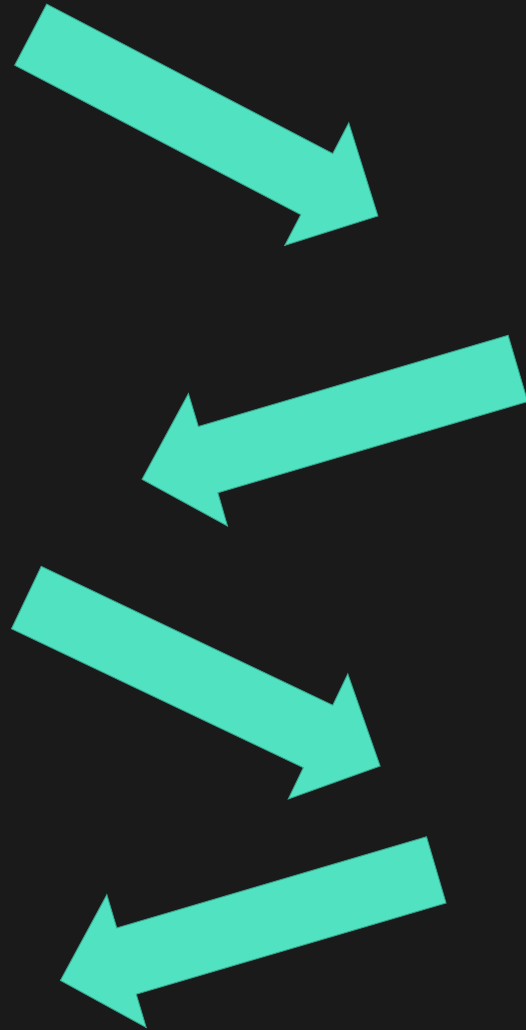
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Protokoller

OAuth

OpenID Connect

SAML

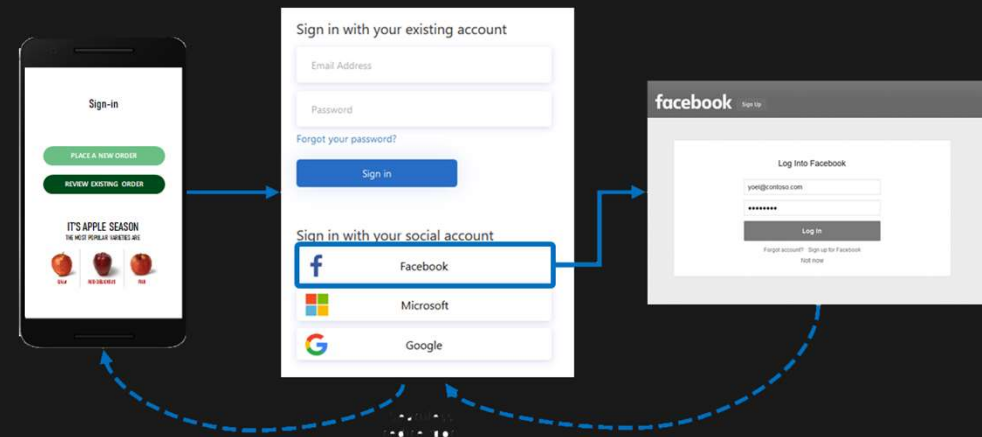
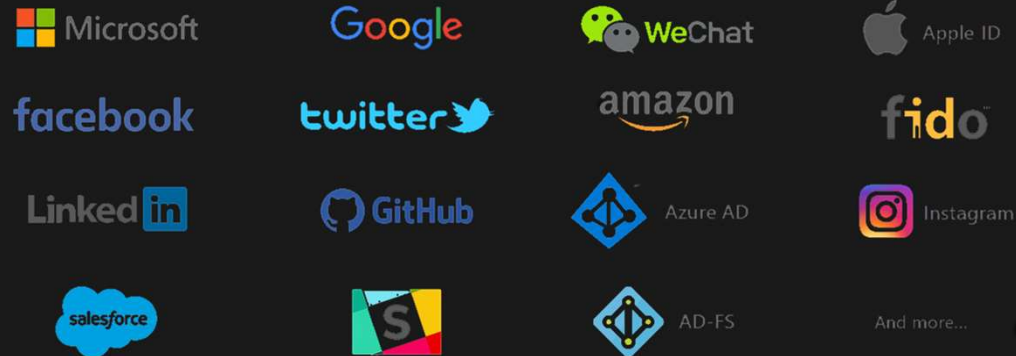


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Integrasjoner

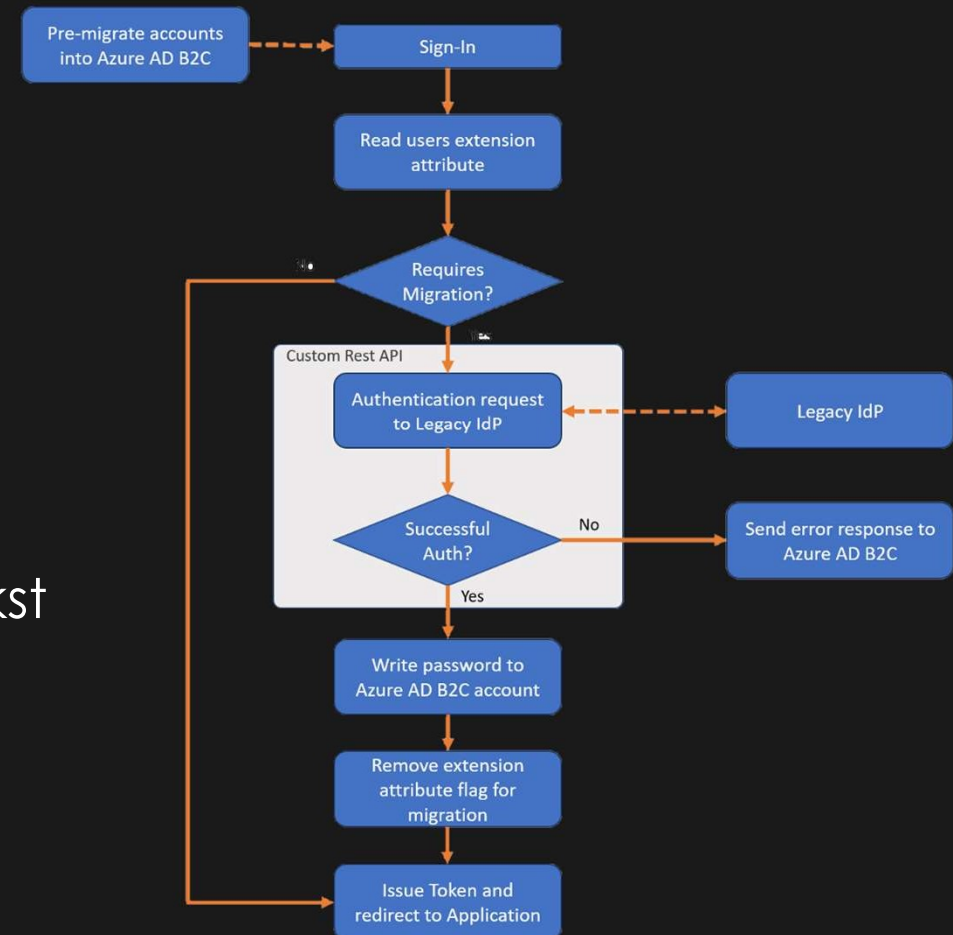
Pålogging med Facebook,
Google, Twitter osv.

Integrasjon med eksterne Identity
Provides via Oauth, OpenID
Connect



Brukermigrering

- Via Microsoft Graph
- Pre migration
 - Hvis man har passord i klartekst
- Seamless migration
 - Hvis man ikke har passord i klartekst



Demo

- Vanlig Azure AD UI
- Administrasjon av brukere
- Administrasjon av klienter (App Registrations)

Search resources, services, and docs (G+)

admin@contoso.com
CONTOSO B2C

Home > Users - All users

Users - All users
Contoso B2C - Azure Active Directory

Documentation

+ New user + New guest user ↑ Bulk create ↑ Bulk invite ↑ Bulk delete ↓ Download users 🔄 Reset password ... More

Search: Search attributes: Show:

NAME	USER NAME	USER TYPE	SOURCE
Colby Marble		Member	LinkedIn
Harriett Mosley	hmosley@contoso.com	Member	Azure Active Directory
Julio Reuter	q*****@gmail.com	Member	Google
Katina Knowles	kknowles@contoso.com	Member	Azure Active Directory
Kelly Shields	kshields@fourthcoffee.com	Member	Facebook
Rigoberto Dugas		Member	LinkedIn
Roslyn Fry		Member	Federated Azure Active Directory
Warren Boatright	wboatright@contoso.com	Member	Azure Active Directory
Young Underwood	z*****@outlook.com	Member	Microsoft Account

Activity

- Sign-ins
- Audit logs
- Bulk operation results (Preview)

Troubleshooting + Support

- Troubleshoot
- New support request

Konfigurere en klient

- Add app registration
- npm install msal (evt. msal-angular, vue-msal e.l.)

```
const msalConfig = {
  auth: {
    clientId: "e760cab2-b9a1-4c0d-86fb-ff7084abd902",
    authority: b2cPolicies.authorities.signUpSignIn.authority,
    knownAuthorities: [b2cPolicies.authorityDomain],
  },
  cache: {
    cacheLocation: "localStorage",
    storeAuthStateInCookie: true
  }
};

const loginRequest = {
  scopes: ["openid", "profile"],
};

const tokenRequest = {
  scopes: apiConfig.b2cScopes // i.e. ["https://fabrikamb2c.onmicrosoft.com/helloapi/demo.read"]
};
```

```
const b2cPolicies = {
  names: {
    signUpSignIn: "b2c_1_susi",
    forgotPassword: "b2c_1_reset",
    editProfile: "b2c_1_edit_profile"
  },
  authorities: {
    signUpSignIn: {
      authority: "https://fabrikamb2c.b2clogin.com/fabrikamb2c.onmicrosoft.com/b2c_1_susi",
    },
    forgotPassword: {
      authority: "https://fabrikamb2c.b2clogin.com/fabrikamb2c.onmicrosoft.com/b2c_1_reset",
    },
    editProfile: {
      authority: "https://fabrikamb2c.b2clogin.com/fabrikamb2c.onmicrosoft.com/b2c_1_edit_profile"
    }
  },
  authorityDomain: "fabrikamb2c.b2clogin.com"
};
```

```
const apiConfig = {
  b2cScopes: ["https://fabrikamb2c.onmicrosoft.com/helloapi/demo.read"],
  webApi: "https://fabrikamb2chello.azurewebsites.net/hello"
};
```

<https://github.com/Azure-Samples/ms-identity-b2c-javascript-spa>

Konfigurere et API

- | Azure AD
 - Add app registration
 - Expose an API
 - Add scope
- | API
 - dotnet add Microsoft.Web.Identity



```
{  
  "AzureAdB2C": {  
    "Instance": "https://samplead.b2clogin.com/tfp/&quot;;,  
    "ClientId": "33ea9cee-4b1e-42ce-a9db-33d06447759b",  
    "Domain": "samplead.onmicrosoft.com",  
    "SignUpSignInPolicyId": "B2C_1_SignUpSignIn "  
  },  
}
```

```
public void ConfigureServices(IServiceCollection services)  
{  
  services.AddProtectedWebApi(Configuration, "AzureAdB2C");  
  services.AddControllers();  
}
```


Prising

- 50 000 «monthly active users» **gratis**
- \$0.00325 for “Monthly Active Users” over 50 000

┌ No upfront cost ┌ No termination fees ┌ Pay only for what you use

Bra

- Pris (gitt eksisterende Azure AD)
- Felles administrasjon av interne og eksterne brukere
- White-label
- Logging mot App Insights

Ikke fullt så bra

- Krever Azure AD (Premium P1 eller P2)

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