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Azure AD B2C

External Identities

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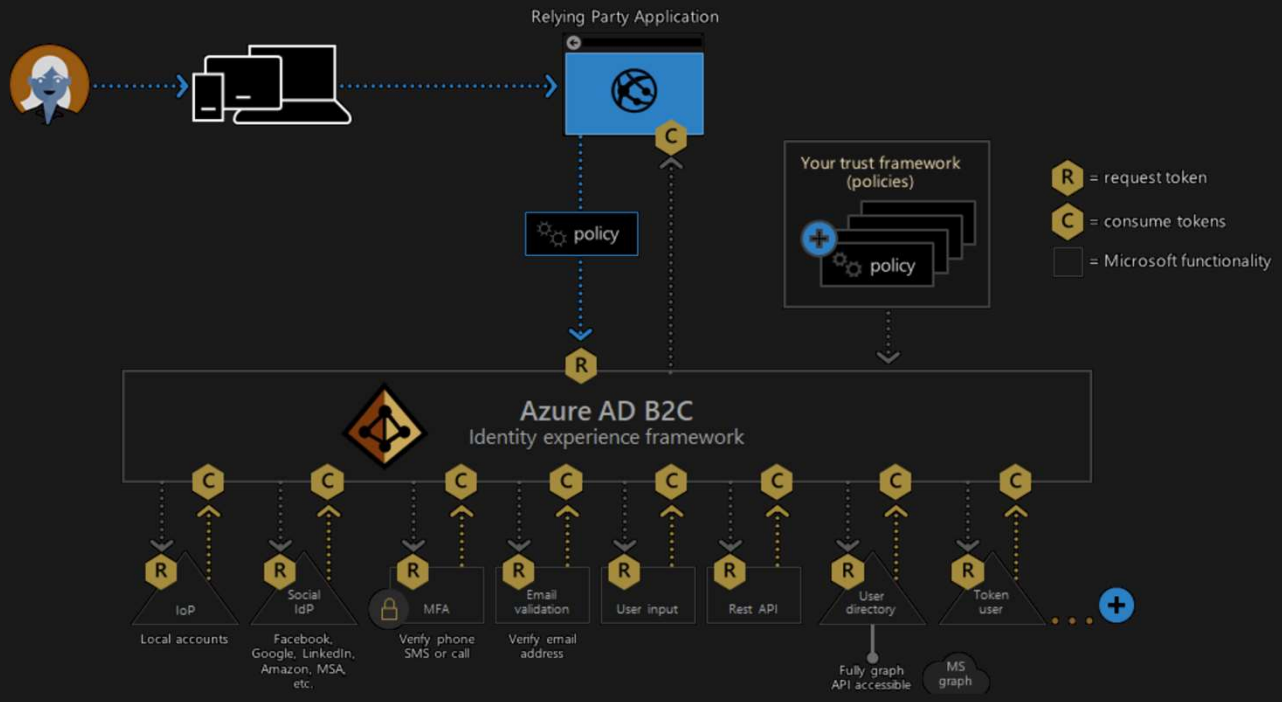
Azure AD B2C

Også kalt Azure AD External Identities?

Leveres av Microsoft som en del av Azure AD



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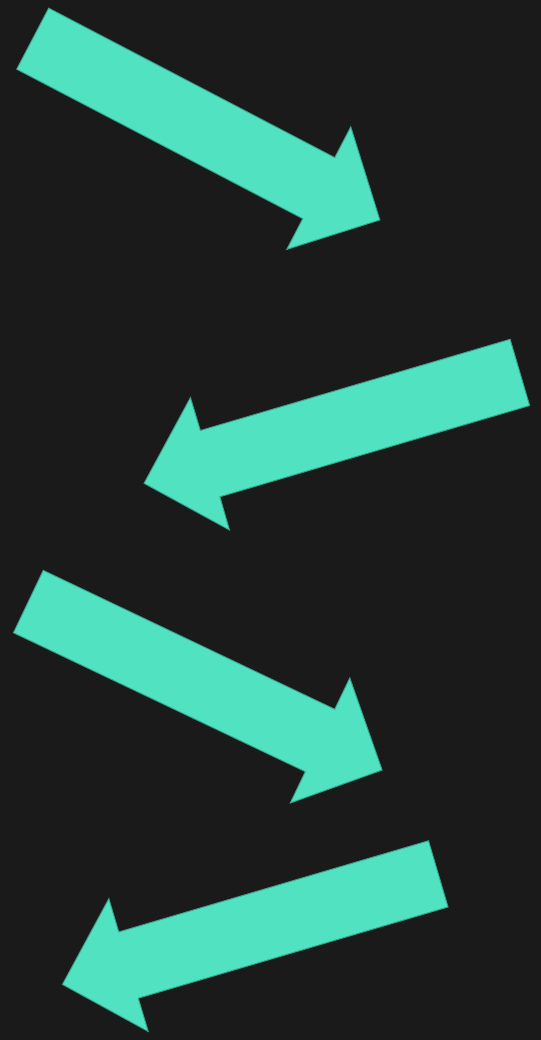
Protokoller

OAuth
OpenID Connect
SAML



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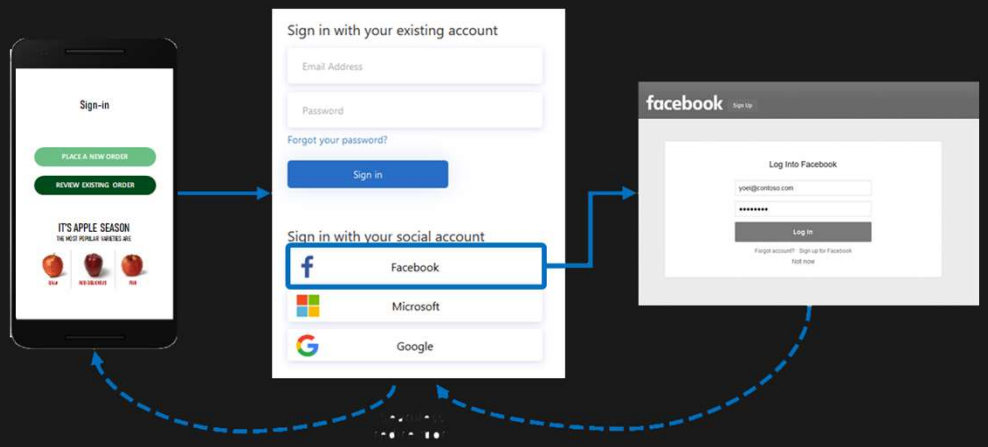
Integrasjoner

Pålogging med Facebook, Google, Twitter osv.

Integrasjon med eksterne Identity Provides via Oauth, OpenID Connect



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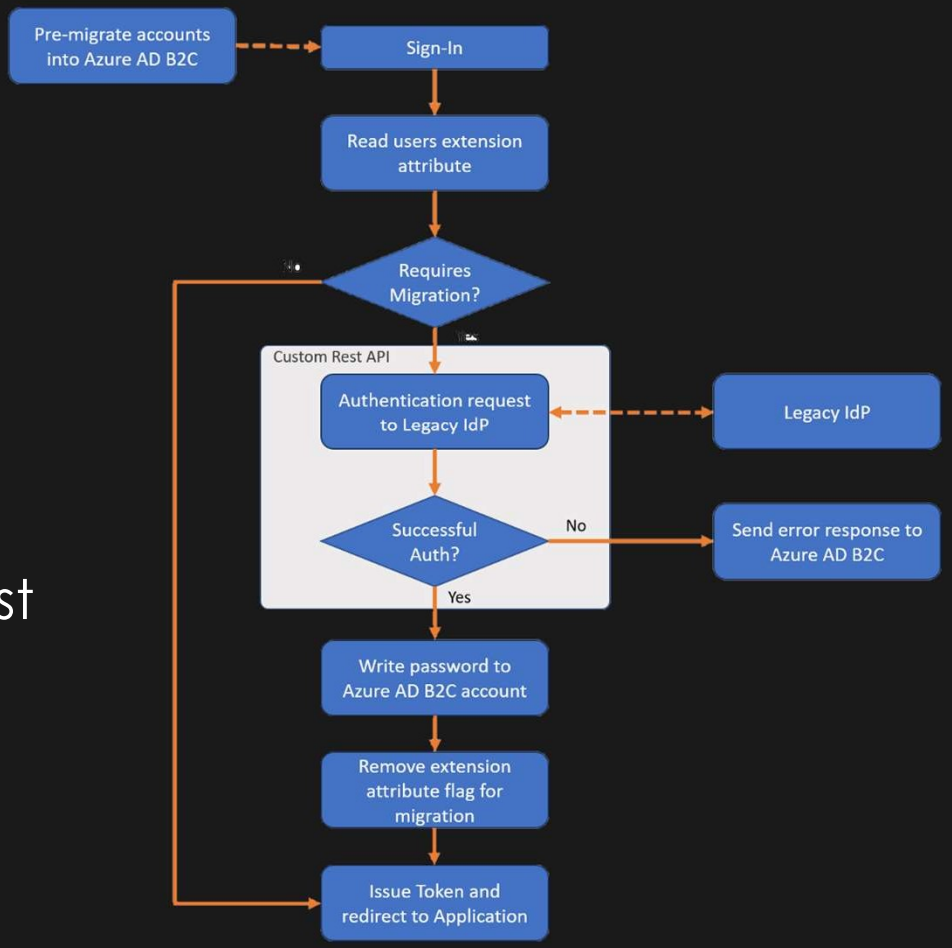
Brukermigrering

- Via Microsoft Graph

- Pre migration
  - Hvis man har passord i klartekst
- Seamless migration
  - Hvis man ikke har passord i klartekst



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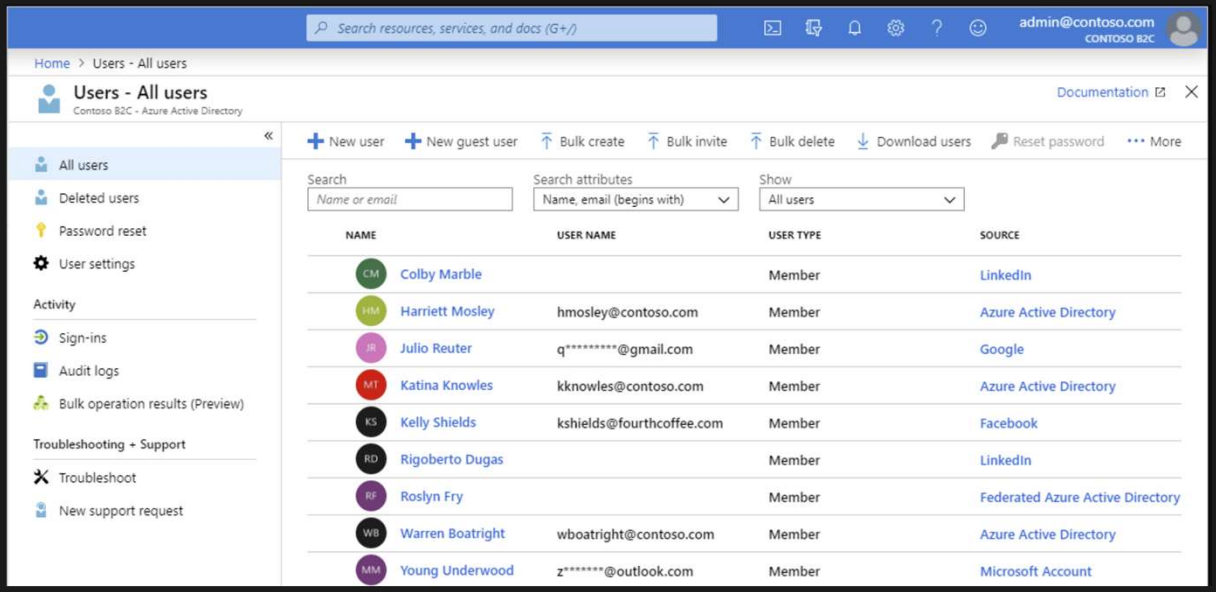
Demo

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



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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

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Konfigurere et API

- I Azure AD
  - Add app registration
  - Expose an API
  - Add scope

- I 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();
}
```

https://github.com/Azure-Samples/active-directory-b2c-javascript-nodejs-webapi

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Prising

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

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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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