
OAuth Device Flow



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#OAuthDeviceFlow

<https://tools.ietf.org/html/draft-ietf-oauth-device-flow>

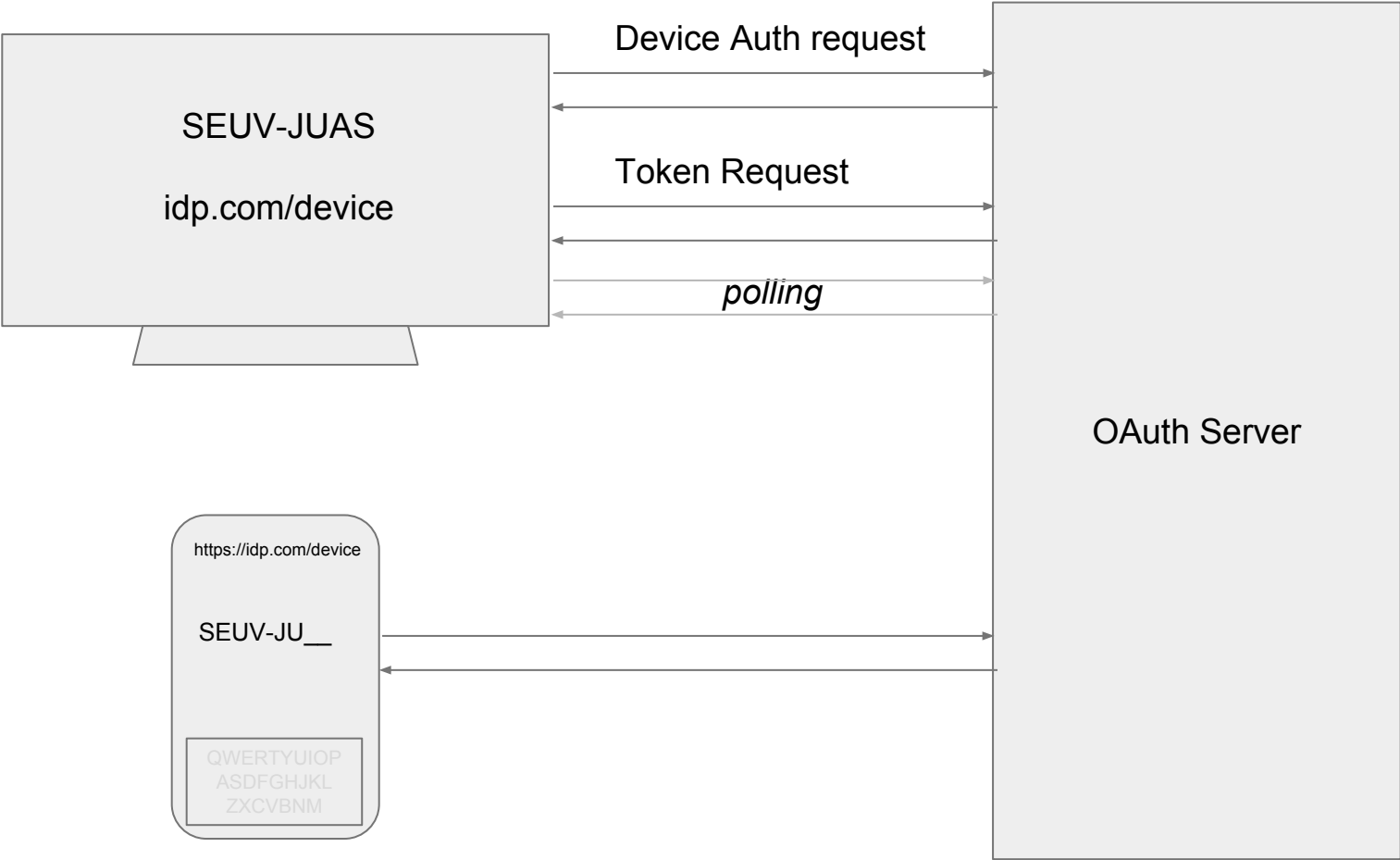
OAuth for Limited Input Devices



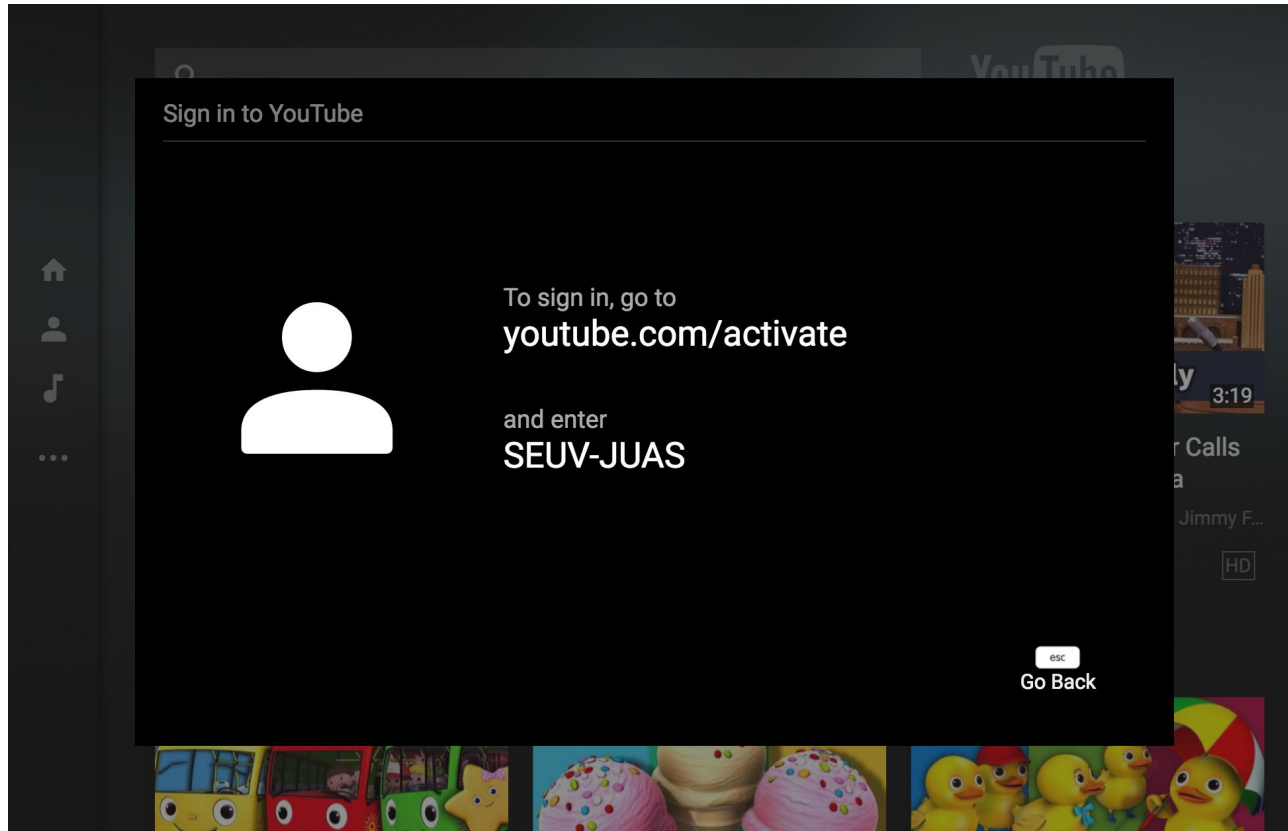
Device Flow Requirements

1. Internet connection (Device Flow is *not* a candidate for initial device setup)
 2. One-way communication channel to user (screen, sound, etc)
 3. User has capable secondary device
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Protocol Flow



Production Example



<https://youtube.com/tv> or from the YouTube app on your connected TV

Production Example

Google's Documentation:

<https://developers.google.com/identity/protocols/OAuth2ForDevices>

Facebook's Documentation:

<https://developers.facebook.com/docs/facebook-login/for-devices>

User Code Format Suggestions

- Case Insensitive
- Alphabetic only
- Avoid “O” and “I”
- i.e. Base 24

Example: SEUV-JUAS

Next Steps

TODO: Add Device Endpoint to Discovery

The Device endpoint is separate to the Authorization Endpoint.

```
HTTP/1.1 200 OK
Content-Type: application/json
Cache-Control: no-store

{
  "device_code": "74tq5miHKB",
  "user_code": "94248",
  "verification_uri": "http://www.example.com/device",
  "interval"=5
}
```

Thank You!



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