OAuth 2.0 Cheat Sheet

Authorization Code Grant
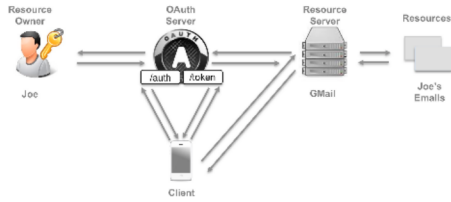
Resource Owner — Joe
OAuth Server — /auth /token
Resource Server — GMail
Resources — Joe's Emails
Client

Authorization Endpoint

```
GET /auth
?response_type=code
&scope=name%20phone%20birthdate
&client_id=s6BhdRkqt3
&redirect_uri=https%3A%2F
%2Fclient.example.org%2Fcb HTTP/1.1
```
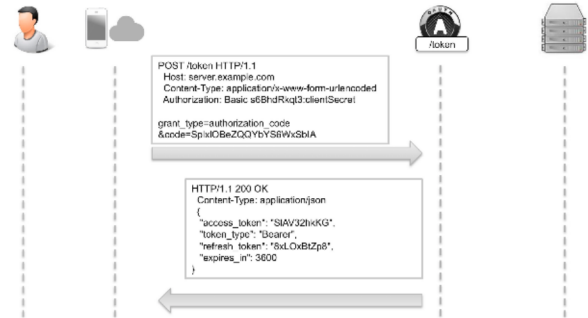
```
HTTP/1.1 302 Found
Location: https://client.example.org/cb?
   code=SplxlOBeZQQYbYS6WxSbIA
```
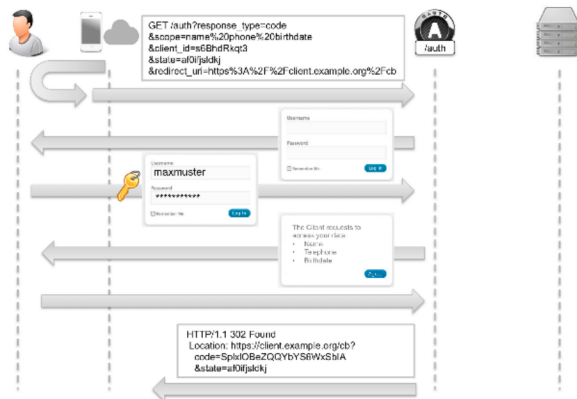
Token Endpoint

```
POST /token
Content-Type: application/x-www-form-urlencoded
Authorization: Basic s6BhdRkqt3:clientSecret
grant_type=authorization_code
&code=SplxlOBeZQQYbYS6WxSbIA
```

```
HTTP/1.1 200 OK
Content-Type: application/json
{ "access_token": "SlAV32hkKG",
  "token_type": "Bearer",
  "refresh_token": "8xLOxBtZp8",
  "expires_in": 3600 }
```

Token Endpoint

```
POST /token HTTP/1.1
Host: server.example.com
Content-Type: application/x-www-form-urlencoded
Authorization: Basic s6BhdRkqt3:clientSecret

grant_type=authorization_code
&code=SplxlOBeZQQYbYS6WxSbIA
```

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "access_token": "SlAV32hkKG",
  "token_type": "Bearer",
  "refresh_token": "8xLOxBtZp8",
  "expires_in": 3600
}
```
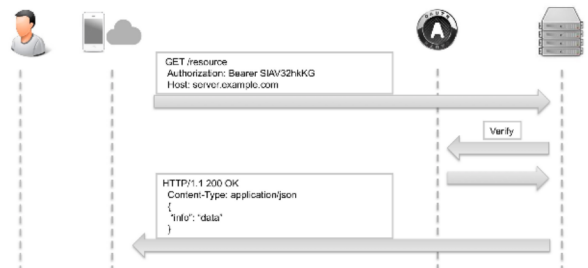
Authorization Endpoint

```
GET /auth?response_type=code
&scope=name%20phone%20birthdate
&client_id=s6BhdRkqt3
&state=af0ifjsldkj
&redirect_uri=https%3A%2F%2Fclient.example.org%2Fcb
```

Username
Password

Username: maxmuster
Password: ************

The Client requests to access your data:
- Name
- Telephone
- Birthdate

```
HTTP/1.1 302 Found
Location: https://client.example.org/cb?
   code=SplxlOBeZQQYbYS6WxSbIA
   &state=af0ifjsldkj
```

Resource Endpoint

```
GET /resource
Authorization: Bearer SlAV32hkKG
Host: server.example.com
```

Verify

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "info": "data"
}
```