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oauth

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#oauth

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About

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Chapter 1: Getting started with oauth

Remarks

This section provides an overview of what oauth is, and why a developer might want to use it.

It should also mention any large subjects within oauth, and link out to the related topics. Since the Documentation for oauth is new, you may need to create initial versions of those related topics.

Versions

Version	Release Date
1.0	2010-04-07
2.0	2012-10-17

Examples

Installation or Setup

Detailed instructions on getting oauth set up or installed.

Read [Getting started with oauth online](https://riptutorial.com/oauth/topic/2947/getting-started-with-oauth): <https://riptutorial.com/oauth/topic/2947/getting-started-with-oauth>

Chapter 2: OAuth 2.0 Client

Syntax

- key1=value1&keyN=valueN

Parameters

Parameter	Value
Parameters used with the <code>token</code> endpoint:	
<code>grant_type</code>	<code>client_credentials</code> , <code>password</code> , <code>authorization_code</code> , <code>refresh_token</code>
<code>client_id</code>	OAuth application's ID
<code>client_secret</code>	OAuth application's Secret
<code>redirect_uri</code>	URL encoded absolute URL to the user's server
<code>code</code>	used only with the <code>authorization_code</code> grant
<code>username</code>	used only the <code>password</code> grant
<code>password</code>	used only the <code>password</code> grant
<code>refresh_token</code>	used only with the <code>refresh_token</code> grant
Parameters used with the <code>authorization</code> endpoint of the <code>authorization_code</code> grant:	
<code>state</code>	random state string
<code>scope</code>	list of scopes separated by either a comma or an empty space

Examples

Client Credentials Grant

```
POST /token HTTP/1.1
Host: server.example.com
```

```
Content-Type: application/x-www-form-urlencoded

grant_type=client_credentials&client_id=[APP_KEY]&client_secret=[APP_SECRET]
```

[Source](#)

Resource Owner Password Credentials Grant

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

grant_type=password&username=[USERNAME]&password=[PASSWORD]
&client_id=[APP_KEY]&client_secret=[APP_SECRET]
```

[Source](#)

Authorization Code Grant

Step 1

```
GET /authorize?response_type=code&client_id=[APP_KEY]&state=[RANDOM_STRING]
&redirect_uri=https%3A%2F%2Fclient%2Eexample%2Ecom%2Fcb
&scope=[OPTIONAL_SCOPES] HTTP/1.1
Host: server.example.com
```

Step 2

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

grant_type=authorization_code&code=[CODE_FROM_STEP1]
&client_id=[APP_KEY]&client_secret=[APP_SECRET]
&redirect_uri=https%3A%2F%2Fclient%2Eexample%2Ecom%2Fcb
```

[Source](#)

Refreshing an Access Token

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

grant_type=refresh_token&refresh_token=[REFRESH_TOKEN]
&client_id=[APP_KEY]&client_secret=[APP_SECRET]
```

[Source](#)

Implicit Grant

```
Host: server.example.com  
HTTP/1.1
```

```
GET /authorize?response_type=token&client_id=[APP_KEY]&state=[OPTIONAL_STATE]  
    &redirect_uri=https%3A%2F%2Fclient%2Eexample%2Ecom%2Fcb&scope=[OPTIONAL_SCOPES]
```

Source

Read OAuth 2.0 Client online: <https://riptutorial.com/oauth/topic/3394/oauth-2-0-client>

Credits

S. No	Chapters	Contributors
1	Getting started with oauth	Community , neverendingqs , Ray
2	OAuth 2.0 Client	FrAn , simo