


```
"user": {
  "id": 1,
  "username": "github_user",
  "display_name": "GitHub User",
  "email": "user@example.com"
}
}
```

? ????????

```
{
  "success": false,
  "message": "????????? GitHub ??????"
}
```

? ??????

- **code** [] : GitHub OAuth [] GitHub []
- **state** [] : [] CSRF [] session []

OIDC ?? OAuth ??

- [] [] OIDC [] OAuth []
- **HTTP** [] [] GET
- [] [] /api/oauth/oidc
- [] []
- [] [] OIDC OAuth [] OpenID Connect []

? ??????

```
// ?????????
const url = new URL(auth_url);
url.searchParams.set('client_id', client_id);
url.searchParams.set('redirect_uri', `${window.location.origin}/oauth/oidc`);
url.searchParams.set('response_type', 'code');
url.searchParams.set('scope', 'openid profile email');
url.searchParams.set('state', state);
window.location.href = url.toString();
```

? ????????

```
{
  "success": true,
  "message": "成功",
  "data": {
    "token": "user_access_token",
    "user": {
      "id": 1,
      "username": "oidc_user",
      "email": "user@example.com"
    }
  }
}
```

? ????????

```
{
  "success": false,
  "message": "OIDC 认证失败"
}
```

? ??????

- **code** [字符串] : OIDC 授权码
- **state** [字符串] : CSRF 令牌

LinuxDo OAuth ??

- [字符串] [字符串] LinuxDo OAuth [字符串]
- **HTTP** [字符串] [字符串] GET
- [字符串] [字符串] /api/oauth/linuxdo
- [字符串] [字符串]
- [字符串] [字符串] LinuxDo OAuth [字符串] LinuxDo [字符串]

? ??????

```
// 重定向到 LinuxDo OAuth 授权页面
window.location.href =
`https://connect.linux.do/oauth2/authorize?response_type=code&client_id=${linuxdo_client_id}&state=${state}`;
```

? ????????

```

{
  "success": true,
  "message": "成功",
  "data": {
    "token": "user_access_token",
    "user": {
      "id": 1,
      "username": "linuxdo_user",
      "display_name": "LinuxDo User"
    }
  }
}

```

????????

```

{
  "success": false,
  "message": "失败"
}

```

??????

- **code** [字符串] : LinuxDo OAuth [字符串]
- **state** [字符串] : [布尔] CSRF [字符串]
- **error** [字符串] : [字符串] OAuth [字符串]
- **error_description** [字符串] : [字符串]

????????

- [字符串] [字符串]
- **HTTP** [字符串] [字符串] GET
- [字符串] [字符串] /api/oauth/wechat
- [字符串] [字符串]
- [字符串] [字符串]

??????

```

const response = await fetch(`/api/oauth/wechat?code=${wechat_verification_code}`, {
  method: 'GET',
  headers: {
    'Content-Type': 'application/json'
  }
}

```

```
});  
const data = await response.json();
```

? ????????

```
{  
  "success": true,  
  "message": "成功",  
  "data": {  
    "token": "user_access_token",  
    "user": {  
      "id": 1,  
      "username": "wechat_user",  
      "wechat_id": "wechat_openid"  
    }  
  }  
}
```

? ????????

```
{  
  "success": false,  
  "message": "失败"  
}
```

? ??????

- **code** [] : []

??????

- [] []
- **HTTP** [] [] GET
- [] [] /api/oauth/wechat/bind
- [] []
- [] []

? ??????

```
const response = await fetch(`/api/oauth/wechat/bind?code=${wechat_verification_code}`, {  
  method: 'GET',  
  headers: {
```


? ????????

```
{
  "success": true,
  "message": "?????????"
}
```

? ????????

```
{
  "success": false,
  "message": "?????????????"
}
```

? ??????

- **email** [] : []
- **code** [] : []

Telegram ??

- [] [] Telegram []
- **HTTP** [] [] GET
- [] [] `/api/oauth/telegram/login`
- [] []
- [] [] Telegram Widget []

? ??????

```
const params = {
  id: telegram_user_id,
  first_name: "John",
  last_name: "Doe",
  username: "johndoe",
  photo_url: "https://...",
  auth_date: 1640995200,
  hash: "telegram_hash"
};

const query = new URLSearchParams(params).toString();
const response = await fetch(`/api/oauth/telegram/login?${query}`, {
  method: 'GET'
});
```

```
const data = await response.json();
```

? ????????

```
{
  "success": true,
  "message": "Success",
  "data": {
    "token": "user_access_token",
    "user": {
      "id": 1,
      "username": "telegram_user",
      "telegram_id": "123456789"
    }
  }
}
```

? ????????

```
{
  "success": false,
  "message": "Telegram error"
}
```

? ??????

- **id** (integer) : Telegram user ID
- **first_name** (string) : First name
- **last_name** (string) : Last name
- **username** (string) : Telegram username
- **photo_url** (string) : Profile picture URL
- **auth_date** (integer) : Authentication date
- **hash** (string) : Telegram hash

Telegram ????

- Telegram API
- **HTTP** method: GET
- Endpoint: `/api/oauth/telegram/bind`
- Headers: Content-Type: application/json
- Body: Telegram user information

? ??????

```

// TelegramLoginButton
// Telegram
const response = await fetch('/api/oauth/telegram/bind', {
  method: 'GET',
  params: telegram_auth_params
});
const data = await response.json();

```

? ????????

```

{
  "success": true,
  "message": "Telegram"
}

```

? ????????

```

{
  "success": false,
  "message": "Telegram"
}

```

? ??????

- Telegram

state?? CSRF?

- state
- **HTTP** GET
- `/api/oauth/state`
- state
- state OAuth CSRF

? ??????

```

let path = '/api/oauth/state';
let affCode = localStorage.getItem('aff');
if (affCode && affCode.length > 0) {
  path += `?aff=${affCode}`;
}
const response = await fetch(path, {

```

```
method: 'GET',
headers: {
  'Content-Type': 'application/json'
}
});
const data = await response.json();
```

? ????????

```
{
  "success": true,
  "message": "",
  "data": "random_state_string_12chars"
}
```

? ????????

```
{
  "success": false,
  "message": "state"
}
```

? ??????

- **aff** [] : []
- **data** [] : [] state [] 12 []

Revision #1

Created 30 October 2025 03:27:45 by Burncloud

Updated 30 October 2025 03:28:02 by Burncloud