

5.2. 错误响应(5.2. Error Response)

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错误响应 HTTP 400

- error 错误码 ASCII[USASCII] 错误码
 - invalid_request
 - invalid_client HTTP 401 HTTP
 - invalid_grant URI
 - unauthorized_client
 - unsupported_grant_type
 - invalid_scope
- “error” x20-21 / x23-5B / x5D-7E
- error_description ASCII[USASCII] “error_description” x20-21 / x23-5B
- error_uri URI “error_uri” URI x21/%x23-5B /

RFC4627 “application/json” HTTP JavaScript JSON

```
HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
{
  "error": "invalid_request"}
```

5.2. Error Response

The authorization server responds with an HTTP 400 (Bad Request) status code (unless specified otherwise) and includes the following

parameters with the response:

error

REQUIRED. A single ASCII [USASCII] error code from the following:

`invalid_request` The request is missing a required parameter, includes an

unsupported parameter value (other than grant type), repeats a parameter, includes multiple credentials, utilizes more than one mechanism for authenticating the client, or is otherwise malformed.

`invalid_client` Client authentication failed (e.g., unknown client, no

client authentication included, or unsupported authentication method). The authorization server MAY return an HTTP 401 (Unauthorized) status code to indicate which HTTP authentication schemes are supported. If the

client attempted to authenticate via the "Authorization" request header field, the authorization server MUST respond with an HTTP 401 (Unauthorized) status code and include the "WWW-Authenticate" response header field

matching the authentication scheme used by the client.

`invalid_grant` The provided authorization grant (e.g., authorization

code, resource owner credentials) or refresh token is invalid, expired, revoked, does not match the redirection URI used in the authorization request, or was issued to another client.

`unauthorized_client` The authenticated client is not authorized to use this authorization grant type.

`unsupported_grant_type` The authorization grant type is not supported by the authorization server.

`invalid_scope` The requested scope is invalid, unknown, malformed, or exceeds the scope granted by the resource owner.

Values for the "error" parameter MUST NOT include characters outside the set `%x20-21 / %x23-5B / %x5D-7E`.

`error_description` OPTIONAL. Human-readable ASCII [USASCII] text providing additional information, used to assist the client developer in understanding the error that occurred.

Values for the "error_description" parameter MUST NOT include characters outside the set `%x20-21 / %x23-5B / %x5D-7E`.

`error_uri` OPTIONAL. A URI identifying a human-readable web page with information about the error, used to provide the client developer with additional information about the error.

Values for the "error_uri" parameter MUST conform to the URI-reference syntax and thus MUST NOT include characters outside the set `%x21 / %x23-5B / %x5D-7E`.

The parameters are included in the entity-body of the HTTP response using the "application/json" media type as defined by [RFC4627]. The parameters are serialized into a JSON structure by adding each parameter at the highest structure level. Parameter names and string values are included as JSON strings. Numerical values are included as JSON numbers. The order of parameters does not matter and can vary.

For example:

```
HTTP/1.1 400 Bad Request
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
{
  "error": "invalid_request"
}
```

