# Response Type & Response Mode

## Authorization request missing the response\_type parameter

### Output (SimpleIdentityServer)

*<ErrorResponseWithState xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://schemas.datacontract.org/2004/07/SimpleIdentityServer.Api.DTOs.Response">*

*<error>invalid\_request</error>*

*<error\_description>the parameter response\_type is missing</error\_description>*

*<error\_uri i:nil="true"/>*

*<state>1znIUooTwsGwMxtz</state>*

*</ErrorResponseWithState>*

### Test Info

Profile: {'openid-configuration': 'no-config', 'response\_type': 'code', 'crypto': '', 'registration': 'static'}  
Timestamp: 2015-11-16T15:45:35Z  
Test description: Authorization request missing the response\_type parameter [Basic, Implicit, Hybrid]  
Test ID: OP-Response-Missing  
Issuer: http://simpleidentityserver.azurewebsites.net/

## Request with response\_type=code

### Test Info

Profile: {'openid-configuration': 'no-config', 'response\_type': 'code', 'crypto': '', 'registration': 'static'}  
Timestamp: 2015-11-16T15:47:09Z  
Test description: Request with response\_type=code [Basic]  
Test ID: OP-Response-code  
Issuer: <http://simpleidentityserver.azurewebsites.net/>

### Test output

\_\_AuthorizationRequest:pre\_\_

[check-response-type]

status: OK

description: Checks that the asked for response type are among the supported

[check-endpoint]

status: OK

description: Checks that the necessary endpoint exists at a server

\_\_After completing the test flow:\_\_

[verify-authn-response]

status: OK

description: Checks that the last response was a JSON encoded authentication message

\_\_X:==== END ====\_\_

### Trace output

0.000465 ------------ AuthorizationRequest ------------

0.000860 --> URL: http://simpleidentityserver.azurewebsites.net/authorization?scope=openid&state=apFL5c8uSifnTGly&redirect\_uri=https%3A%2F%2Fop.certification.openid.net%3A60360%2Fauthz\_cb&response\_type=code&client\_id=MyBlog

0.000866 --> BODY: None

13.230529 <-- code=3d15cd62-e614-4630-a5db-812d41682468&state=apFL5c8uSifnTGly

13.231002 AuthorizationResponse: {

"code": "3d15cd62-e614-4630-a5db-812d41682468",

"state": "apFL5c8uSifnTGly"

}

13.231315 ==== END ====

# ID Token

## Does the OP sign the ID Token and with what

### Test info

Profile: {'openid-configuration': 'no-config', 'response\_type': 'code', 'crypto': '', 'registration': 'static'}  
Timestamp: 2015-11-16T15:47:09Z  
Test description: Request with response\_type=code [Basic]  
Test ID: OP-Response-code  
Issuer: <http://simpleidentityserver.azurewebsites.net/>

### Test output

\_\_AuthorizationRequest:pre\_\_

[check-response-type]

status: OK

description: Checks that the asked for response type are among the supported

[check-endpoint]

status: OK

description: Checks that the necessary endpoint exists at a server

\_\_After completing the test flow:\_\_

[verify-response]

status: OK

description: Checks that the last response was one of a possible set of OpenID Connect Responses

[is-idtoken-signed]

status: OK

description: Checks if the id\_token is signed

info: ID Token signed using alg=none

\_\_X:==== END ====\_\_

### Trace output

0.000407 ------------ AuthorizationRequest ------------

0.000782 --> URL: http://simpleidentityserver.azurewebsites.net/authorization?scope=openid&state=UpWVcL8eZ9eodaXT&redirect\_uri=https%3A%2F%2Fop.certification.openid.net%3A60360%2Fauthz\_cb&response\_type=code&client\_id=MyBlog

0.000787 --> BODY: None

0.581139 <-- code=068571fe-2e55-434d-8802-1364fc5fffd5&state=UpWVcL8eZ9eodaXT

0.581566 AuthorizationResponse: {

"code": "068571fe-2e55-434d-8802-1364fc5fffd5",

"state": "UpWVcL8eZ9eodaXT"

}

0.581917 ------------ AccessTokenRequest ------------

0.582299 --> URL: http://simpleidentityserver.azurewebsites.net/token

0.582305 --> BODY: code=068571fe-2e55-434d-8802-1364fc5fffd5&grant\_type=authorization\_code&redirect\_uri=https%3A%2F%2Fop.certification.openid.net%3A60360%2Fauthz\_cb

0.582319 --> HEADERS: {'Content-Type': 'application/x-www-form-urlencoded', 'Authorization': u'Basic TXlCbG9nOk15QmxvZw=='}

0.886267 <-- STATUS: 200

0.886306 <-- BODY: {"access\_token":"MGQwMGRlZWQtMjdhNy00YWIzLTg4OWYtZmM1NjE1YjIxMmYy","id\_token":"eyJ0eXAiOiJKV1QiLCJhbGciOiJub25lIiwia2lkIjpudWxsfQ==.eyJpc3MiOiJodHRwOi8vbG9jYWxob3N0L2lkZW50aXR5IiwiYXVkIjpbIk15QmxvZyJdLCJleHAiOjE0NTA2ODkwMzAsImlhdCI6MTQ0NzY4OTAzMCwic3ViIjoiYWRtaW5pc3RyYXRvckBob3RtYWlsLmJlIiwiYWNyIjoib3BlbmlkLnBhcGUuYXV0aF9sZXZlbC5ucy5wYXNzd29yZD0xIiwiYW1yIjoicGFzc3dvcmQiLCJhenAiOiJNeUJsb2cifQ==.","token\_type":"Bearer","refresh\_token":"NGI4YzVmZmUtYzFkNS00ZDk1LTkwNjUtN2NhZDVjMWQ3NWE5","expires\_in":3600,"scope":"openid"}

0.887928 AccessTokenResponse: {

"access\_token": "MGQwMGRlZWQtMjdhNy00YWIzLTg4OWYtZmM1NjE1YjIxMmYy",

"expires\_in": 3600,

"id\_token": {

"claims": {

"acr": "openid.pape.auth\_level.ns.password=1",

"amr": [

"password"

],

"aud": [

"MyBlog"

],

"azp": "MyBlog",

"exp": 1450689030,

"iat": 1447689030,

"iss": "http://localhost/identity",

"sub": "administrator@hotmail.be"

},

"jws header parameters": {

"alg": "none",

"kid": null,

"typ": "JWT"

}

},

"refresh\_token": "NGI4YzVmZmUtYzFkNS00ZDk1LTkwNjUtN2NhZDVjMWQ3NWE5",

"scope": "openid",

"token\_type": "Bearer"

}

0.894911 ==== END ====

# UserInfo endpoint

TODO

# Nonce request parameter

## Login no nonce, code flow

### Test info

Profile: {'openid-configuration': 'no-config', 'response\_type': 'code', 'crypto': '', 'registration': 'static'}  
Timestamp: 2015-11-16T15:53:51Z  
Test description: Login no nonce, code flow [Basic]  
Test ID: OP-nonce-NoReq-code  
Issuer: http://simpleidentityserver.azurewebsites.net/

### Test output

\_\_AuthorizationRequest:pre\_\_

[check-response-type]

status: OK

description: Checks that the asked for response type are among the supported

[check-endpoint]

status: OK

description: Checks that the necessary endpoint exists at a server

\_\_After completing the test flow:\_\_

[verify-response]

status: OK

description: Checks that the last response was one of a possible set of OpenID Connect Responses

\_\_X:==== END ====\_\_

### Trace output

0.000425 ------------ AuthorizationRequest ------------

0.000802 --> URL: http://simpleidentityserver.azurewebsites.net/authorization?scope=openid&state=nmzsqjmhc9bSAv2S&redirect\_uri=https%3A%2F%2Fop.certification.openid.net%3A60360%2Fauthz\_cb&response\_type=code&client\_id=MyBlog

0.000808 --> BODY: None

0.620264 <-- code=4f6df6c2-df45-4ccc-a0e6-ffcce87d8dee&state=nmzsqjmhc9bSAv2S

0.620672 AuthorizationResponse: {

"code": "4f6df6c2-df45-4ccc-a0e6-ffcce87d8dee",

"state": "nmzsqjmhc9bSAv2S"

}

0.620960 ==== END ====

## ID token has nonce when requested for code flow

### Test info

Profile: {'openid-configuration': 'no-config', 'response\_type': 'code', 'crypto': '', 'registration': 'static'}  
Timestamp: 2015-11-16T15:53:51Z  
Test description: Login no nonce, code flow [Basic]  
Test ID: OP-nonce-NoReq-code  
Issuer: http://simpleidentityserver.azurewebsites.net/

### Test output

\_\_AuthorizationRequest:pre\_\_

[check-response-type]

status: OK

description: Checks that the asked for response type are among the supported

[check-endpoint]

status: OK

description: Checks that the necessary endpoint exists at a server

\_\_After completing the test flow:\_\_

[verify-nonce]

status: OK

description: Verifies that the nonce recceived in the IDToken is the same as was given in the Authorization Request

[verify-response]

status: OK

description: Checks that the last response was one of a possible set of OpenID Connect Responses

\_\_X:==== END ====\_\_

### Trace output

0.000429 ------------ AuthorizationRequest ------------

0.000804 --> URL: http://simpleidentityserver.azurewebsites.net/authorization?nonce=godmorgon&state=bY601mDbUhqOvdHC&redirect\_uri=https%3A%2F%2Fop.certification.openid.net%3A60360%2Fauthz\_cb&response\_type=code&client\_id=MyBlog&scope=openid

0.000810 --> BODY: None

0.549987 <-- code=f771e085-ae2f-4f36-bf56-1104d4b2531a&state=bY601mDbUhqOvdHC

0.550400 AuthorizationResponse: {

"code": "f771e085-ae2f-4f36-bf56-1104d4b2531a",

"state": "bY601mDbUhqOvdHC"

}

0.550752 ------------ AccessTokenRequest ------------

0.551113 --> URL: http://simpleidentityserver.azurewebsites.net/token

0.551119 --> BODY: code=f771e085-ae2f-4f36-bf56-1104d4b2531a&grant\_type=authorization\_code&redirect\_uri=https%3A%2F%2Fop.certification.openid.net%3A60360%2Fauthz\_cb

0.551130 --> HEADERS: {'Content-Type': 'application/x-www-form-urlencoded', 'Authorization': u'Basic TXlCbG9nOk15QmxvZw=='}

0.811423 <-- STATUS: 200

0.811468 <-- BODY: {"access\_token":"NTMzMjUzZDQtYmE5YS00MGVlLTg5OTUtMWY2ZmQxN2IzNzZk","id\_token":"eyJ0eXAiOiJKV1QiLCJhbGciOiJub25lIiwia2lkIjpudWxsfQ==.eyJpc3MiOiJodHRwOi8vbG9jYWxob3N0L2lkZW50aXR5IiwiYXVkIjpbIk15QmxvZyJdLCJleHAiOjE0NTA2ODk0MTMsImlhdCI6MTQ0NzY4OTQxMywic3ViIjoiYWRtaW5pc3RyYXRvckBob3RtYWlsLmJlIiwibm9uY2UiOiJnb2Rtb3Jnb24iLCJhY3IiOiJvcGVuaWQucGFwZS5hdXRoX2xldmVsLm5zLnBhc3N3b3JkPTEiLCJhbXIiOiJwYXNzd29yZCIsImF6cCI6Ik15QmxvZyJ9.","token\_type":"Bearer","refresh\_token":"ZTc4YmM4ZTUtNTVhMC00M2MxLWFiMGEtZjBhYTM1ZWE3YWQ2","expires\_in":3600,"scope":"openid"}

0.813465 AccessTokenResponse: {

"access\_token": "NTMzMjUzZDQtYmE5YS00MGVlLTg5OTUtMWY2ZmQxN2IzNzZk",

"expires\_in": 3600,

"id\_token": {

"claims": {

"acr": "openid.pape.auth\_level.ns.password=1",

"amr": [

"password"

],

"aud": [

"MyBlog"

],

"azp": "MyBlog",

"exp": 1450689413,

"iat": 1447689413,

"iss": "http://localhost/identity",

"nonce": "godmorgon",

"sub": "administrator@hotmail.be"

},

"jws header parameters": {

"alg": "none",

"kid": null,

"typ": "JWT"

}

},

"refresh\_token": "ZTc4YmM4ZTUtNTVhMC00M2MxLWFiMGEtZjBhYTM1ZWE3YWQ2",

"scope": "openid",

"token\_type": "Bearer"

}

0.820021 ==== END ====