Amazon Route 53

API Reference API Version 2011-05-05



Amazon Route 53: API Reference

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Welcome

This is the *Amazon Route 53 API Reference*. Route 53 is a web service that enables you to manage your DNS records.

The Amazon Route 53 API Reference contains descriptions of the following actions and elements.

- Actions on Hosted Zones (p. 2)
- Actions on Resource Record Sets (p. 21)
- Common Headers (p. 44)
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For a guide to using Route 53, see the Amazon Route 53 Developer Guide.

Actions on Hosted Zones

Topics

- POST CreateHostedZone (p. 3)
- GET GetHostedZone (p. 9)
- DELETE DeleteHostedZone (p. 13)
- GET ListHostedZones (p. 16)

This section describes actions you can perform on hosted zones.

For more information, see Hosted Zones in the Amazon Route 53 Developer Guide.

POST CreateHostedZone

Description

This action creates a new hosted zone.

To create a new hosted zone, send a POST request to the 2011-05-05/hostedzone resource. The request body must include an XML document with a CreateHostedZoneRequest element. The response returns the CreateHostedZoneResponse element that contains metadata about the hosted zone.

Important

You cannot create a hosted zone for a top-level domain (TLD).

Amazon Route 53 automatically creates a default SOA record and four NS records for the zone. The NS records in the hosted zone are the name servers you give your registrar to delegate your domain to. For more information about SOA and NS records, see NS and SOA Records that Route 53 Creates for a Hosted Zone in the Amazon Route 53 Developer Guide.

When you create a zone, its initial status is PENDING. This means that it is not yet available on all DNS servers. The status of the zone changes to INSYNC when the NS and SOA records are available on all Amazon Route 53 DNS servers. For more information on creating hosted zones, see Creating a Hosted Zone in the Amazon Route 53 Developer Guide.

Requests

Syntax

Headers

The request must include the headers required in all Amazon Route 53 requests. For more information, see Common Headers (p. 44).

Name	Description	Required
CreateHostedZoneRequest	A complex type containing the hosted zone request information. Type: Complex Default: None Children: Name, CallerReference, HostedZoneConfig	Yes
Name	The name of the domain. This must be a fully-specified domain, for example, www.example.com., including the trailing dot. However, even if you omit the trailing dot, Amazon Route 53 assumes that the domain name that you specify is fully qualified. This means that Amazon Route 53 treats www.example.com (without a trailing dot) and www.example.com. (with a trailing dot) as identical. This is the name you have registered with your DNS registrar. You should ask your registrar to change the authoritative name servers for your domain to the set of NameServers returned in DelegationSet. Type: String Default: None	Yes
CallerReference	A unique string that identifies the request and that allows failed CreateHostedZone requests to be retried without the risk of executing the operation twice. You must use a unique CallerReference string every time you create a hosted zone. CallerReference can be any unique string; you might choose to use a string that identifies your project, such as MyDNSMigration_01. Type: String Default: None Constraints: Allowable characters are any Unicode code points that are legal in an XML 1.0 document. The UTF-8 encoding of the value must be less than 128 bytes.	Yes
HostedZoneConfig	A complex type that contains configuration information for your hosted zone. Type: Complex Default: None Children: Comment	No
Comment	Any comments you want to include about the hosted zone. Type: String Default: None Constraints: Maximum 256 characters Parent: HostedZoneConfig	No

Responses

Syntax

```
HTTP/1.1 201 Created
<?xml version="1.0" encoding="UTF-8"?>
<CreateHostedZoneResponse xmlns="https://route53.amazonaws.com/doc/
2011-05-05/">
  <HostedZone>
     <Id>/hostedzone/Z1PA6795UKMFR9</Id>
     <Name>example.com.</Name>
     <CallerReference>myUniqueIdentifier</CallerReference>
     <Config>
         <Comment>This is my first hosted zone.</Comment>
     </Config>
  </HostedZone>
  <ChangeInfo>
     <Id>/change/C1PA6795UKMFR9</Id>
     <Status>PENDING</Status>
      <SubmittedAt>2010-09-10T01:36:41.958Z</SubmittedAt>
  </ChangeInfo>
  <DelegationSet>
      <NameServers>
         <NameServer>ns-2048.awsdns-64.com</NameServer>
         <NameServer>ns-2049.awsdns-65.net</NameServer>
         <NameServer>ns-2050.awsdns-66.org</NameServer>
         <NameServer>ns-2051.awsdns-67.co.uk</NameServer>
      </NameServers>
  </DelegationSet>
</CreateHostedZoneResponse>
```

Headers

The response will include the headers in all Amazon Route 53 responses. For more information, see Common Headers (p. 44).

Name	Description
CreateHostedZoneResponse	A complex type containing the response information for the hosted zone. Type: Complex Children: HostedZone, ChangeInfo, DelegationSet
HostedZone	A complex type containing the specific identifying information about the hosted zone. Type: Complex Children: Id, Name, CallerReference, Config
Id	The ID of the hosted zone. Type: String Parent: HostedZone

Name	Description
Name	The name of the domain. This must be a fully-specified domain, for example, www.example.com., including the trailing dot. However, even if you omit the trailing dot, Amazon Route 53 assumes that the domain name that you specify is fully qualified. This means that Amazon Route 53 treats www.example.com (without a trailing dot) and www.example.com. (with a trailing dot) as identical. This is the name you have registered with your DNS registrar. It is also the name you delegate from your registrar to the Amazon Route 53 delegation servers returned in response to this request. Type: String Parent: HostedZone
CallerReference	A unique string that identifies the request to create the hosted zone. Type: String Parent: HostedZone
Config	A complex type that includes the Comment element. Type: Complex Parent: HostedZone Children: Comment
Comment	The comment included in the CreateHostedZoneRequest element. Type: String Constraints: Maximum 256 characters Parent: Config
ChangeInfo	A complex type that describes change information about changes made to your hosted zone. This element contains an ID that you use when performing a GetChange action to get detailed information about the change. Type: Complex Children: Id, Status, SubmittedAt
Id	The ID of the request. Use this ID to track when the change has completed across all Amazon Route 53 DNS servers. Type: String Parent: ChangeInfo
Status	The current state of the request. PENDING indicates that this request has not yet been applied to all Amazon Route 53 DNS servers. Type: String Valid Values: PENDING INSYNC Parent: ChangeInfo
SubmittedAt	The date and time the change was submitted, in the format YYYY-MM-DDThh:mm:ssZ, as specified in the ISO 8601 standard (for example, 2009-11-19T19:37:58Z). The z after the time indicates that the time is listed in Coordinated Universal Time (UTC), which is synonymous with Greenwich Mean Time in this context. Type: Timestamp Parent: ChangeInfo

Name	Description
DelegationSet	A complex type that describes name server information. Type: Complex Children: NameServers
NameServers	A complex type that identifies the authoritative name servers for the hosted zone. You ask your registrar to add an NS record to your domain for each NameServer assigned to your hosted zone. Type: Complex Parent: DelegationSet Children: NameServer
NameServer	Identifies a name server that is authoritative for your domain. Type: String Parent: NameServers



Note

In the context of CreateHostedZone, the ChangeInfo element indicates the creation of the SOA records and records for the NameServer names.

Errors

The following table lists the errors returned for this action.

Name	Description
DelegationSetNotAvailable	Amazon Route 53 allows some duplication, but Amazon Route 53 has a maximum threshold of duplicated domains. This error is generated when you reach that threshold. In this case, the error indicates that too many hosted zones with the given domain name exist. If you want to create a hosted zone and Amazon Route 53 generates this error, contact Customer Support.
InvalidDomainName	The specified domain name is not valid.
HostedZoneAlreadyExists	The hosted zone you are attempting to create already exists. Amazon Route 53 returns this error when a hosted zone has already been created with the supplied CallerReference.
TooManyHostedZones	This hosted zone cannot be created. The hosted zone limit has been exceeded. To request a limit increase, contact Customer Support.
InvalidInput	The input is not valid.

Examples

Example Request

Example Response

```
HTTP/1.1 201 Created
<?xml version="1.0" encoding="UTF-8"?>
<CreateHostedZoneResponse xmlns="https://route53.amazonaws.com/doc/</pre>
2011-05-05/">
   <HostedZone>
      <Id>/hostedzone/Z1PA6795UKMFR9</Id>
      <Name>example.com.</Name>
      <CallerReference>myUniqueIdentifier</CallerReference>
      <Config>
         <Comment>This is my first hosted zone.</Comment>
      </Config>
   </HostedZone>
   <ChangeInfo>
      <Id>/change/C1PA6795UKMFR9</Id>
      <Status>PENDING</Status>
      <SubmittedAt>2010-09-10T01:36:41.958Z</SubmittedAt>
   </ChangeInfo>
   <DelegationSet>
      <NameServers>
         <NameServer>ns-2048.awsdns-64.com</NameServer>
         <NameServer>ns-2049.awsdns-65.net</NameServer>
         <NameServer>ns-2050.awsdns-66.org</NameServer>
         <NameServer>ns-2051.awsdns-67.co.uk</NameServer>
      </NameServers>
   </DelegationSet>
</CreateHostedZoneResponse>
```

GET GetHostedZone

Description

To retrieve information about a hosted zone, send a GET request to the 2011-05-05/hostedzone/<hosted zone ID> resource.

For more information about using this action to get name server information, see Getting the Name Servers for a Hosted Zone in the Amazon Route 53 Developer Guide.

Requests

Syntax

GET /2011-05-05/hostedzone/Z1PA6795UKMFR9

Headers

The request must include the headers required in all Amazon Route 53 requests. For more information, see Common Headers (p. 44).

Parameters

The request must contain the hosted zone ID. Amazon Route 53 returns the hosted zone ID in the HostedZone element as part of the CreateHostedZoneResponse or ListHostedZonesResponse. For more information, see POST CreateHostedZone (p. 3) or GET ListHostedZones (p. 16).

Responses

Syntax

```
HTTP/1.1 200 OK
<?xml version="1.0" encoding="UTF-8"?>
<GetHostedZoneResponse xmlns="https://route53.amazonaws.com/doc/2011-05-05/">
  <HostedZone>
      <Id>/hostedzone/Z1PA6795UKMFR9</Id>
      <Name>example.com.</Name>
      <CallerReference>myUniqueIdentifier</CallerReference>
      <Config>
         <Comment>This is my first hosted zone.</Comment>
     </Config>
  </HostedZone>
  <DelegationSet>
     <NameServers>
         <NameServer>ns-2048.awsdns-64.com</NameServer>
         <NameServer>ns-2049.awsdns-65.net</NameServer>
         <NameServer>ns-2050.awsdns-66.org</NameServer>
         <NameServer>ns-2051.awsdns-67.co.uk</NameServer>
      </NameServers>
  </DelegationSet>
</GetHostedZoneResponse>
```

Headers

The response will include the headers in all Amazon Route 53 responses. For more information, see Common Headers (p. 44).

Name	Description
GetHostedZoneResponse	A complex type containing information about a hosted zone. Type: Complex Children: HostedZone, DelegationSet
HostedZone	A complex type containing the specific identifying information about the hosted zone. Type: Complex Children: Id, Name, CallerReference, Config
Id	The ID of the hosted zone. Type: String Parent: HostedZone
Name	The name of the domain. This must be a fully-specified domain, for example, www.example.com., including the trailing dot. However, even if you omit the trailing dot, Amazon Route 53 assumes that the domain name that you specify is fully qualified. This means that Amazon Route 53 treats www.example.com (without a trailing dot) and www.example.com. (with a trailing dot) as identical. This is the name you have registered with your DNS registrar. It is also the name you delegate from your registrar to the Amazon Route 53 delegation servers returned in response to this request. Type: String Parent: HostedZone
CallerReference	A unique string that identifies the request to create the hosted zone. Type: String Parent: HostedZone
Config	A complex type that includes the Comment element. Type: Complex Parent: HostedZone Children: Comment
Comment	The comment included in the CreateHostedZoneRequest element. Type: String Constraints: Maximum 256 characters Parent: Config
DelegationSet	A complex type that describes name server information. Type: Complex Children: NameServers

Name	Description
NameServers	A complex type that identifies the authoritative name servers for the hosted zone. You ask your registrar to add an NS record to your domain for each NameServer assigned to your hosted zone.
	Type: Complex
	Parent: DelegationSet
	Children: NameServer
NameServer	Identifies a name server that is authoritative for your domain.
	Type: String
	Parent: NameServers

Errors

This action returns the following error.

Name	Description
InvalidInput	The input is not valid.

Examples

Example Request

The following shows a GET request for information about a hosted zone with an ID of Z1PA6795UKMFR9.

```
GET /2011-05-05/hostedzone/Z1PA6795UKMFR9
```

Example Response

The following shows the response to the GET request.

```
HTTP/1.1 200 OK
<?xml version="1.0" encoding="UTF-8"?>
<GetHostedZoneResponse xmlns="https://route53.amazonaws.com/doc/2011-05-05/">
   <HostedZone>
     <Id>/hostedzone/Z1PA6795UKMFR9</Id>
      <Name>example.com.</Name>
      <CallerReference>myUniqueIdentifier</CallerReference>
      <Config>
         <Comment>This is my first hosted zone.</Comment>
      </Config>
   </HostedZone>
   <DelegationSet>
      <NameServers>
         <NameServer>ns-2048.awsdns-64.com</NameServer>
         <NameServer>ns-2049.awsdns-65.net</NameServer>
         <NameServer>ns-2050.awsdns-66.org</NameServer>
         <NameServer>ns-2051.awsdns-67.co.uk</NameServer>
```

</NameServers> </DelegationSet> </GetHostedZoneResponse>

DELETE DeleteHostedZone

Description

This action deletes a hosted zone. To delete a hosted zone, send a DELETE request to the 2011-05-05/hostedzone/<hosted zone ID> resource.

For more information about deleting a hosted zone, see Deleting a Hosted Zone in the Amazon Route 53 Developer Guide.

Important

You can delete a hosted zone only if there is no resource record set other than the default SOA record and NS records. If your hosted zone contains resource records other than the default SOA record and NS records, you must delete those resource records before you can delete your hosted zone. Any records you added to the hosted zone must be deleted first. If you try to delete a hosted zone that contains resource records other than the default records, Amazon Route 53 will deny your request with a HostedZoneNotEmpty error. For information about deleting records from your hosted zone, see POST ChangeResourceRecordSets (p. 22).

Requests

Syntax

DELETE /2011-05-05/hostedzone/Z1PA6795UKMFR9

Headers

The request must include the headers required in all Amazon Route 53 requests. For more information, see Common Headers (p. 44).

Parameters

The request must contain the hosted zone ID. Amazon Route 53 returns the hosted zone ID in the HostedZone element as part of the CreateHostedZoneResponse or ListHostedZonesResponse. For more information, see POST CreateHostedZone (p. 3) or GET ListHostedZones (p. 16).

Responses

Syntax

</ChangeInfo> </DeleteHostedZoneResponse>

Headers

The response will include the headers in all Amazon Route 53 responses. For more information, see Common Headers (p. 44).

Elements

Name	Description
DeleteHostedZoneResponse	A complex type containing the response information for the request. Type: Complex Children: ChangeInfo
ChangeInfo	A complex type that describes change information about changes made to your hosted zone. This element contains an ID that you use when performing a GetChange action to get detailed information about the change. Type: Complex Children: Id, Status, SubmittedAt
Id	The ID of the request. Use this ID to track when the change has completed across all Amazon Route 53 DNS servers. Type: String Parent: ChangeInfo
Status	The current state of the request. PENDING indicates that this request has not yet been applied to all Amazon Route 53 DNS servers. Type: String Valid Values: PENDING INSYNC Parent: ChangeInfo
SubmittedAt	The date and time the change was submitted, in the format YYYY-MM-DDThh:mm:ssZ, as specified in the ISO 8601 standard (for example, 2009-11-19T19:37:58Z). The z after the time indicates that the time is listed in Coordinated Universal Time (UTC), which is synonymous with Greenwich Mean Time in this context. Type: Timestamp Parent: ChangeInfo

Errors

The server might respond to this action with any of the following errors.

Name	Description
HostedZoneNotEmpty	The hosted zone contains resource records that are not SOA or NS records.

Name	Description
InvalidInput	The input is not valid.

Examples

Example Request

The following example shows the DELETE request with the hosted zone ID (beginning with the letter Z).

```
DELETE /2011-05-05/hostedzone/Z1PA6795UKMFR9
```

Example Response

When the status of this change becomes $\tt INSYNC$, your hosted zone has been removed from all Amazon Route 53 DNS servers.

GET ListHostedZones

Description

To retrieve a list of your hosted zones, send a GET request to the 2011-05-05/hostedzone resource. The response to this request includes a HostedZones element with zero, one, or multiple HostedZone child elements. By default, the list of hosted zones is displayed on a single page. You can control the length of the page that is displayed by using the MaxItems parameter. You can use the Marker parameter to control the hosted zone that the list begins with. For more information about listing hosted zones, see Listing the Hosted Zones for an AWS Account in the Amazon Route 53 Developer Guide.

🍠 🛛 Note

Amazon Route 53 returns a maximum of 100 items. If you set MaxItems to a value greater than 100, Amazon Route 53 returns only the first 100.

Requests

Syntax

GET /2011-05-05/hostedzone?marker=Z2EUQ1WTGCTBG2&maxitems=10

Headers

The request must include the headers required in all Amazon Route 53 requests. For more information, see Common Headers (p. 44).

Parameters

Name	Description	Required
marker	Indicates where to begin in your list of hosted zones. The results include hosted zones in the list that occur after the marker.	No
	Type: String	
	Default: All your hosted zones are listed from the beginning.	
maxitems	The maximum number of hosted zones to be included in the response body.	No
	Type: String	
	Default: 100	
	Constraint: maximum value is 100	

Responses

Syntax

```
HTTP/1.1 200 OK
<?xml version="1.0" encoding="UTF-8"?>
<ListHostedZonesResponse xmlns="https://route53.amazonaws.com/doc/2011-05-05/">
  <HostedZones>
     <HostedZone>
        <Id>/hostedzone/Z2EUQ1WTGCTBG2</Id>
        <Name>example2.com.</Name>
        <CallerReference>mySecondZone</CallerReference>
         <Config>
            <Comment>This is my second hosted zone.</Comment>
         </Config>
      </HostedZone>
  </HostedZones>
  <MaxItems>1</MaxItems>
  <IsTruncated>true</IsTruncated>
  <NextMarker>Z2EUQ1WTGCTBG2</NextMarker>
</ListHostedZonesResponse>
```

Headers

The response will include the headers in all Amazon Route 53 responses. For more information, see Common Headers (p. 44).

Name	Description
ListHostedZoneResponse	A complex type containing the response information for the request. Type: Complex Children: Marker, HostedZones, MaxItems, IsTruncated, NextMarker
Marker	Indicates the marker used when generating this list of hosted zones. The results include hosted zones in the list that occur after the marker. Type: String
HostedZones	The parent element to HostedZone, this element can contain zero, one, or more HostedZone elements. Type: Complex Children: HostedZone
HostedZone	A complex type containing the specific identifying information about the hosted zone. Type: Complex Children: Id, Name, CallerReference, Config

Name	Description	
Id	The ID of the hosted zone. Type: String Parent: HostedZone	
Name	The name of the domain. This must be a fully-specified domain, for example, www.example.com., including the trailing dot. However, even if you omit the trailing dot, Amazon Route 53 assumes that the domain name that you specify is fully qualified. This means that Amazon Route 53 treats www.example.com (without a trailing dot) and www.example.com. (with a trailing dot) as identical. This is the name you have registered with your DNS registrar. It is also the name you delegate from your registrar to the Amazon Route 53 delegation servers returned in response to this request. Type: String Parent: HostedZone	
CallerReference	A unique string that identifies the request to create the hosted zone. Type: String Parent: HostedZone	
Config	A complex type that includes the Comment element. Type: Complex Parent: HostedZone Children: Comment	
Comment	The comment included in the CreateHostedZoneRequest element. Type: String Constraints: Maximum 256 characters Parent: Config	
MaxItems	The maximum number of hosted zones you requested. Type: String	
IsTruncated	A flag indicating whether there are more hosted zones to be listed. If your results were truncated, you can make a follow-up pagination request by using the Marker request. Type: String Valid Values: true false	
NextMarker	Indicates the location from which to continue listing hosted zones. If you make a subsequent request to ListHostedZones and supply the NextMarker value as the marker parameter, the results will include hosted zones in the list that occur after NextMarker. This provides a way to list all hosted zones associated with your account. This element is present only if IsTruncated is true. Type: String	

Errors

This action returns the following error.

Name	Description
InvalidInput	The input is not valid.

Examples

Example Request

The following example shows the request with the MaxItems element specified as 1.

```
GET /2011-05-05/hostedzone?maxitems=1
```

Example Response

This example shows the response for the previous example in which MaxItems is specified as 1.

```
HTTP/1.1 200 OK
<?xml version="1.0" encoding="UTF-8"?>
<ListHostedZonesResponse xmlns="https://route53.amazonaws.com/doc/2011-05-05/">
   <HostedZones>
      <HostedZone>
         <Id>/hostedzone/Z2EUQ1WTGCTBG2</Id>
         <Name>example2.com.</Name>
         <CallerReference>MyUniqueIdentifier2</CallerReference>
         <Config>
            <Comment>This is my second hosted zone.</Comment>
         </Config>
      </HostedZone>
   </HostedZones>
   <MaxItems>1</MaxItems>
   <IsTruncated>true</IsTruncated>
   <NextMarker>Z2EUQ1WTGCTBG2</NextMarker>
</ListHostedZonesResponse>
```

Example Follow-up Request

This example shows the follow-up request to the previous request with the MaxItems element specified as 10 and the list starting with the marker set to Z2EUQ1WTGCTBG2.

```
GET /2011-05-05/hostedzone?marker=Z2EUQ1WTGCTBG2&maxitems=10
```

Example Follow-up Response

This example shows the response for the previous example.

```
API Version 2011-05-05
```

```
<HostedZones>
     <HostedZone>
         <Id>/hostedzone/Z3AEGXETSR30VB</Id>
        <Name>example3.com.</Name>
        <CallerReference>MyUniqueIdentifier3</CallerReference>
         <Config>
            <Comment>This is my third hosted zone.</Comment>
         </Config>
     </HostedZone>
     <HostedZone>
         <Id>/hostedzone/Z2682N5HXP0BZ4</Id>
         <Name>example.com.</Name>
         <CallerReference>MyUniqueIdentifier4</CallerReference>
         <Config>
            <Comment>This is my fourth hosted zone.</Comment>
         </Config>
     </HostedZone>
  </HostedZones>
  <MaxItems>10</MaxItems>
  <IsTruncated>false</IsTruncated>
</ListHostedZonesResponse>
```

Actions on Resource Record Sets

Topics

- POST ChangeResourceRecordSets (p. 22)
- GET ListResourceRecordSets (p. 34)
- GET GetChange (p. 41)

This section describes actions you can perform on resource record sets:

Action	Description
ChangeResourceRecordSets	Adds, deletes, and changes resource record sets in an Amazon Route 53 hosted zone.
ListResourceRecordSets	Lists details about all of the resource record sets in a hosted zone.
GetChange	Returns the current status of a change batch request that you submitted by using ChangeResourceRecordSets.

For more information, see Working with Resource Record Sets in the Amazon Route 53 Developer Guide.

POST ChangeResourceRecordSets

Description

Use this action to create or change your authoritative DNS information. To use this action, send a POST request to the 2011-05-05/hostedzone/<hosted Zone ID>/rrset resource. The request body must include an XML document with a ChangeResourceRecordSetsRequest element.

Changes are a list of change items and are considered transactional. For more information on transactional changes, also known as change batches, see Creating, Changing, and Deleting Resource Record Sets Using the Route 53 API in the *Amazon Route 53 Developer Guide*.



Important

Due to the nature of transactional changes, you cannot delete the same resource record set more than once in a single change batch. If you attempt to delete the same change batch more than once, Amazon Route 53 returns an InvalidChangeBatch error.

In response to a ChangeResourceRecordSets request, your DNS data is changed on all Amazon Route 53 DNS servers. Initially, the status of a change is PENDING. This means the change has not yet propagated to all the authoritative Amazon Route 53 DNS servers. When the change is propagated to all hosts, the change returns a status of INSYNC.

Note the following limitations on a ChangeResourceRecordSets request:

- A request cannot contain more than 100 Change elements.
- A request cannot contain more than 1000 ResourceRecord elements.
- The sum of the number of characters (including spaces) in all Value elements in a request cannot exceed 32,000 characters.

For more information about changing resource record sets using the Route 53 API, see Creating, Changing, and Deleting Resource Record Sets Using the Route 53 API in the Amazon Route 53 Developer Guide.

Requests

Syntax

```
POST /2011-05-05/hostedzone/Z1PA6795UKMFR9/rrset HTTP/1.1
<?xml version="1.0" encoding="UTF-8"?>
<ChangeResourceRecordSetsRequest xmlns="https://route53.amazonaws.com/doc/2011-
05-05/">
        <ChangeBatch>
            <Comment>
                This change batch creates an A record for www.example.com. and
                changes the A record for foo.example.com. from 192.0.2.3 to 192.0.2.1.
                </Comment>
                </Comment>
                </Comment>
                </Comment>
                </Comment>
                </Comment>
                </Comment>
                </Comment>
                </Changes
                </Changes
                </Changes
                </Changes>
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                </Changes>
                </Changes>
                </Changes>
                </Changes>
                </Changes>
                </Changes>
                </Changes>
                </Changes>
               </Changes>
                </Changes>

                 </
```



Headers

The request must include the headers required in all Amazon Route 53 requests. For more information, see Common Headers (p. 44).

Parameters

The request must contain the hosted zone ID. Amazon Route 53 returns the hosted zone ID in the HostedZone element as part of the CreateHostedZoneResponse or ListHostedZonesResponse. For more information, see POST CreateHostedZone (p. 3) or GET ListHostedZones (p. 16).

Name	Description	Required
ChangeResourceRecord SetsRequest	A complex type that contains change information for the resource record set. Type: Complex Default: None Children: ChangeBatch	Yes
ChangeBatch	The information for a change request. Type: Complex Default: None Children: Comment, Changes	Yes
Comment	Any comments you want to include about the change. Type: String Default: None Constraints: Maximum 256 characters Parent: ChangeBatch	Optional
Changes	Information about the changes to make to the record sets. Type: Complex Default: None Parent: ChangeBatch Children: Change	Yes
Change	The information for each individual change. Type: Complex Default: None Parent: Changes Children: Action, ResourceRecordSet	Yes
Action	The action to perform. Type: String Default: None Valid values: CREATE DELETE Parent: member	Yes
ResourceRecordSet	Information about the resource record set to create or delete. Type: Complex Default: None Parent: member Children: Name, Type, AliasTarget, SetIdentifier, Weight, TTL, ResourceRecords	Yes

Name	Description	Required
Name	The name of the domain you want to perform the action on. Enter a fully qualified domain name, for example, <i>www.example.com.</i> , including the trailing dot. However, even if you omit the trailing dot, Amazon Route 53 assumes that the domain name that you specify is fully qualified. This means that Amazon Route 53 treats <i>www.example.com</i> (without a trailing dot) and <i>www.example.com.</i> (with a trailing dot) as identical. Type: String Default: None Parent: ResourceRecordSet	Yes
Туре	The DNS record type. For information about different record types and how data is encoded for them, see Supported DNS Resource Record Types in the Amazon Route 53 Developer Guide. Type: String Default: None Valid values: A AAAA CNAME MX NS PTR SOA SPF SRV TXT Values for Weighted Resource Record Sets: A AAAA CNAME TXT Values for Alias Resource Record Sets: A AAAA Parent: ResourceRecordSet	Yes
AliasTarget	Alias resource record sets only: Information about the domain to which you are redirecting traffic. Image: Note Currently, Amazon Route 53 supports aliases only for Elastic Load Balancing. Type: Complex Default: None Parent: ResourceRecordSet Children: HostedZoneId, DNSName For more information and an example, see Creating Alias Resource Record Sets for Elastic Load Balancing in the Amazon Route 53 Developer Guide.	Yes, if you are creating an alias resource record set.

Name	Description	Required
HostedZoneId	Alias resource record sets only: The value of the hosted zone ID, CanonicalHostedZoneNameId, for the LoadBalancer. Image: Currently, Amazon Route 53 supports alias resource record sets only for Elastic Load Balancing.	Yes, if you are creating an alias resource record set.
	Type: String Default: None Parent: AliasTarget For more information, an example, and several ways to get the hosted zone ID for the LoadBalancer, see Creating Alias Resource Record Sets for Elastic Load Balancing in the Amazon Route 53 Developer Guide.	
DNSName	Alias resource record sets only: The external DNS name associated with the LoadBalancer. Image: Note Currently, Amazon Route 53 supports alias resource record sets only for Elastic Load Balancing.	Yes, if you are creating an alias resource record set.
	Type: String Default: None Parent: AliasTarget For more information, an example, and several ways to get the DNS name for the LoadBalancer, see Creating Alias Resource Record Sets for Elastic Load Balancing in the Amazon Route 53 Developer Guide.	

Name	Description	Required
SetIdentifier	 Weighted resource record sets only: An identifier that differentiates among multiple resource record sets that have the same combination of DNS name and type. Note the following: For a given combination of DNS name and type, you must specify both SetIdentifier and Weight for every resource record set. The value of SetIdentifier must be unique for each resource record set. 	Yes, if you are creating a weighted resource record set.
	Type: String Default: None Valid values: 1-128 characters, including upper- and lower-case letters, numbers, spaces, and punctuation. Parent: ResourceRecordSet For more information and an example, see Creating Weighted Resource Record Sets in the Amazon Route 53 Developer Guide.	
Weight	Weighted resource record sets only: Among resource record sets that have the same combination of DNS name and type, a value that determines what portion of traffic for the current resource record set is routed to the associated location. Amazon Route 53 calculates the sum of the weights for the resource record sets that have the same combination of DNS name and type. Traffic is then routed based on the ratio of a resource's weight to the total. Note the following:	Yes, if you are creating a weighted resource record set.
	 For a given combination of DNS name and type, you must specify values both for SetIdentifier and for Weight for all resource record sets. To disable routing to a resource, set Weight to 0. If you set Weight to 0 for all resource record sets that have the same combination of DNS name and type, traffic is routed to all resources with equal probability. You can only specify one ResourceRecord per weighted resource record set. 	
	Type: Integer Default: None Valid values: 0-255 Parent: ResourceRecordSet For more information and an example, see Creating Weighted Resource Record Sets in the Amazon Route 53 Developer Guide.	

Name	Description	Required
TTL	The resource record cache time to live (TTL), in seconds.	No
	💌 Note	
	If you are creating an alias resource record set, omit TTL. Amazon Route 53 uses the Elastic Load Balancing TTL. For the current TTL value for Elastic Load Balancing, see the introduction to Using Domain Names With Elastic Load Balancing.	
	Type: Integer	
	Default: None	
	Parent: ResourceRecordSet	
ResourceRecords	Information about the resource records to act upon.	No
	Note If you are creating an alias resource record set, omit ResourceRecords.	
	Type: Complex	
	Default: None	
	Parent: ResourceRecordSet	
	Children: ResourceRecord	
ResourceRecord	Information specific to the resource record.	Yes
	Note If you are creating an alias resource record set, omit ResourceRecord.	
	Type: Complex	
	Default: None	
	Parent: ResourceRecords	
	Children: Value	

Name	Description	Required
Value	The current or new DNS record value, not to exceed 4,000 characters. In the case of a DELETE action, if the current value does not match the actual value, an error is returned. For descriptions about how to format Value for different record types, see Supported DNS Resource Record Types in the Amazon Route 53 Developer Guide. Image: Note If you are creating an alias resource record set, omit Value.	Yes
	Type: String	
	Default: None	
	Parent: ResourceRecord	

Responses

Syntax

Headers

The response will include the headers in all Amazon Route 53 responses. For more information, see Common Headers (p. 44).

Name	Description
ChangeResourceRecord SetsResponse	A complex type containing the response information for the request. This element contains the hosted zone ID parameter. Type: Complex Children: ChangeInfo

Name	Description
ChangeInfo	A complex type that describes change information about changes made to your hosted zone. This element contains an ID that you use when performing a GetChange action to get detailed information about the change. Type: Complex Children: Id, Status, SubmittedAt
Id	The ID of the request. Use this ID to track when the change has completed across all Amazon Route 53 DNS servers. Type: String Parent: ChangeInfo
Status	The current state of the request. PENDING indicates that this request has not yet been applied to all Amazon Route 53 DNS servers. Type: String Valid Values: PENDING INSYNC Parent: ChangeInfo
SubmittedAt	The date and time the change was submitted, in the format YYYY-MM-DDThh:mm:ssZ, as specified in the ISO 8601 standard (for example, 2009-11-19T19:37:58Z). The z after the time indicates that the time is listed in Coordinated Universal Time (UTC), which is synonymous with Greenwich Mean Time in this context. Type: Timestamp Parent: ChangeInfo

Errors

The following table lists the errors returned for this action.

Name	Description
InvalidInput	The input is not valid.
InvalidChangeBatch	This exception contains a list of messages that might contain one or more error messages. Each error message indicates one error in the change batch. For more information, see Example InvalidChangeBatch Errors (p. 32).

Examples

Example Request

This example creates an A record for www.example.com and changes the A record for foo.example.com from 192.0.2.3 to 192.0.2.1.

```
POST /2011-05-05/hostedzone/Z1PA6795UKMFR9/rrset HTTP/1.1
<?xml version="1.0" encoding="UTF-8"?>
```

05-05	<pre>ngeResourceRecordSetsRequest xmlns="https://route53.amazonaws.com/doc/2011 5/"></pre>
<(LhangeBatch>
	<comment></comment>
	This change batch creates a TXT record for www.example.com.,
	and changes the A record for foo.example.com. from 192.0.2.3 to 192.0.2.1
	<changes></changes>
	<change></change>
	<action>CREATE</action>
	<resourcerecordset></resourcerecordset>
	<name>www.example.com.</name>
	<type>TXT</type>
	<ttl>600</ttl>
	<resourcerecords></resourcerecords>
	<resourcerecord></resourcerecord>
	<value>"item 1" "item 2" "item 3"</value>
	<change></change>
	<action>DELETE</action>
	<resourcerecordset></resourcerecordset>
	<name>foo.example.com.</name>
	<type>A</type>
	<ttl>600</ttl>
	<resourcerecords></resourcerecords>
	<resourcerecord></resourcerecord>
	<value>192.0.2.3</value>
	<change></change>
	<pre><action>CREATE</action></pre>
	<resourcerecordset></resourcerecordset>
	<name>foo.example.com.</name>
	<type>A</type>
	<ttl>600</ttl>
	<resourcerecords></resourcerecords>
	<resourcerecord></resourcerecord>
	<pre><value>192.0.2.1</value></pre>
e 1	'ChangeBatch>
	angeResourceRecordSetsRequest>

Example Response

This is an example response to the request in the previous example.

Example InvalidChangeBatch Errors

The InvalidChangeBatch error contains a list of messages that contain zero, one or more error messages. This section describes InvalidChangeBatch and some of the errors it might return.

Note

Amazon Route 53 locates as many errors as possible, but some errors can only be detected after other errors are fixed. As a result, you might need to repeat your request to locate all the errors.

Example 1

If you already have a resource record set called duplicate.example.com. with type A records, and you try to create the same resource record set again, you receive the following InvalidChangeBatch exception.

Example 2

If you don't have the resource record set noexist.example.com. with type A records, but you try to delete it, you will get the following InvalidChangeBatch error.

Example 3

If you put the above two changes into a single change batch and you call $\tt ChangeResourceRecordSets,$ you receive this error.

GET ListResourceRecordSets

Description

To list your resource record sets, send a GET request to the 2011-05-05/hostedzone/<hosted zone ID>/rrset resource.

The action retrieves a specified number of resource record sets in order, beginning at a position specified by the name and type elements. The action sorts results first by DNS name (with the labels reversed, for example com.amazon.www), and second by the record type.

You can use the name and $t_{YP}e$ elements to adjust the beginning position of the list of resource record sets returned. For more information on using this action to retrieve information about your resource record sets, see Listing Resource Record Sets in the Amazon Route 53 Developer Guide.

Note

This action returns the most current version of the records. This includes records that are PENDING, and that are not yet available on all Amazon Route 53 DNS servers.

Requests

Syntax

GET /2011-05-05/hostedzone/<hosted zone ID>/rrset?name=example.com& type=NS&identifier=SetIdentifier&maxitems=10

Headers

The request must include the headers required in all Amazon Route 53 requests. For more information, see Common Headers (p. 44).

Parameters

Name	Description	Required
<hosted id="" zone=""></hosted>	The ID of the hosted zone containing the resource records sets to be retrieved. Type: String Default: None	Yes
name	The first name in the lexicographic ordering of domain names to be retrieved in the response to the ListResourceRecordSets request. Type: String Default: None	No.

Name	Description	Required
type	The type of resource record set to begin the record listing from. For information about different record types and how data is encoded for them, see Supported DNS Resource Record Types in the Amazon Route 53 Developer Guide. Type: String Default: None Valid values: A AAAA CNAME MX NS PTR SOA SPF SRV TXT Values for Weighted Resource Record Sets: A AAAA CNAME TXT Values for Alias Resource Record Sets: A AAAA Constraint: Specifying type without specifying name returns an InvalidInput error.	No
identifier	Weighted resource record sets only: If results were truncated for a given DNS name and type, the value of SetIdentifier for the next resource record set that has the current DNS name and type. Type: String Default: None	Yes, if you are using weighted resource record sets.
maxitems	The maximum number of records you want in the response body. Type: String Default: 100 Constraint: maximum value is 100	No

Responses

Syntax

```
HTTP/1.1 200 OK
<?xml version="1.0" encoding="UTF-8"?>
<ListResourceRecordSetsResponse xmlns="https://route53.amazonaws.com/doc/2011-
05-05/">
   <ResourceRecordSets>
      <ResourceRecordSet>
         <Name>example.com.</Name>
         <Type><mark>SOA</mark></Type>
         <TTL><mark>900</mark></TTL>
         <ResourceRecords>
             <ResourceRecord>
                <Value>ns-2048.awsdns-64.net. hostmaster.awsdns.com. 1 7200 900
 1209600 86400</Value>
             </ResourceRecord>
         </ResourceRecords>
      </ResourceRecordSet>
   </ResourceRecordSets>
   <IsTruncated>true</IsTruncated>
```

```
<MaxItems>1</MaxItems>
<NextRecordName>testdoc2.example.com</NextRecordName>
<NextRecordType>NS</NextRecordType>
<ListResourceRecordSetsResponse>
```

Headers

The response will include the headers in all Amazon Route 53 responses. For more information, see Common Headers (p. 44).

Elements

Name	Description
ListResourceRecordSetsResponse	A complex type that contains list information for the resource record set. Type: Complex Children: ResourceRecordSets, IsTruncated, MaxItems, NextRecordName, NextRecordType
ResourceRecordSets	Information about multiple resource record sets. Type: Complex Parent: ListResourceRecordSetsResponse Children: ResourceRecordSet
ResourceRecordSet	Information about multiple resource records. Type: Complex Parent: ResourceRecordSets Children: Name, Type, AliasTarget, SetIdentifier, Weight, TTL, ResourceRecords
Name	The name of the domain. Type: String Parent: ResourceRecordSet
Туре	The resource record set type the record listing begins from. For information about different record types and how data is encoded for them, see Supported DNS Resource Record Types in the Amazon Route 53 Developer Guide. Type: String Valid Values: A AAAA CNAME MX NS PTR SOA SPF SRV TXT Valid Values for Weighted Resource Record Sets: A AAAA CNAME TXT Valid Values for Alias Resource Record Sets: A AAAA Parent: ResourceRecordSet
AliasTarget	Alias resource record sets only: Information about the domain to which you are redirecting traffic. Type: Complex Parent: ResourceRecordSet Children: HostedZoneId, DNSName

Name	Description	
HostedZoneId	Alias resource record sets only: The ID of the hosted zone that contains the Elastic Load Balancing domain to which you want to reroute traffic. Type: String Parent: AliasTarget	
DNSName	Alias resource record sets only: The Elastic Load Balancing domain to which you want to reroute traffic. Type: String Parent: AliasTarget	
SetIdentifier	Weighted resource record sets only: An identifier that differentiates among multiple resource record sets that have the same combination of DNS name and type. Type: String Parent: ResourceRecordSet	
Weight	Weighted resource record sets only: Among resource record sets that have the same combination of DNS name and type, a value that determines what portion of traffic for the current resource record set is routed to the associated location. Type: Integer Parent: ResourceRecordSet	
TTL	The resource record cache time to live (TTL), in seconds. Type: Integer Parent: ResourceRecordSet	
ResourceRecords	Information about the resource records. Type: Complex Parent: ResourceRecordSet Children: ResourceRecord	
ResourceRecord	Information about the resource record. Type: Complex Parent: ResourceRecords Children: Value	
Value	Content for the resource record. Type: String Parent: ResourceRecord	
IsTruncated	A flag that indicates whether more resource record sets remain to be listed. If your results were truncated, you can make a follow-up pagination request by using the NextRecordName element. Type: String Valid Values: true false Parent: ListResourceRecordSetsResponse	

Name	Description
MaxItems	The maximum number of records you requested. Type: String representation of a number, not to exceed 100 Parent: ListResourceRecordSetsResponse
NextRecordName	If the results were truncated, the name of the next record in the list. This element is present only if IsTruncated is true. Type: String Parent: ListResourceRecordSetsResponse
NextRecordType	If the results were truncated, the type of the next record in the list. This element is present only if IsTruncated is true. Type: String Parent: ListResourceRecordSetsResponse
NextRecordIdentifier	Weighted resource record sets only: If results were truncated for a given DNS name and type, the value of SetIdentifier for the next resource record set that has the current DNS name and type. Type: String Default: None Parent: ListResourceRecordSetsResponse

Errors

The following table lists the error returned for this action.

Name	Description
InvalidInput	The input is not valid.

Example 1

This example returns a single known record set by setting MaxItems to 1.

Example Request

GET /2011-05-05/hostedzone/Z1PA6795UKMFR9/rrset?maxitems=1

Example Response

```
<Type>SOA</Type>
<Type>SOA</Type>
<Type>SOA</Type>
<Type>SOA</Type>
<Type>SOA</Type>
<Type>Soda
</resourceRecords>
</resourceRecord>
</resourceRecord>
</resourceRecords>
</resourceRecordSet>
</resourceRecordSets>
<IsTruncated>true</IsTruncated>
</maxItems>1</maxItems>
</maxItems>1</maxItems>
</maxItems>1</maxItems>
</maxItems>1</maxItems>
</maxItems>/maxItems>
</maxItems>/maxItems>/maxItems>
</maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems>/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxItems/maxIt
```

Example 2

This example returns a list of record sets by specifying Name and Type, and setting MaxItems to 10.

Example Request

```
GET /2011-05-05/hostedzone/Z1PA6795UKMFR9/rrset?type=NS&name=example.com&max items=10
```

Example Response

```
HTTP/1.1 200 OK
<?xml version="1.0" encoding="UTF-8"?>
<ListResourceRecordSetsResponse xmlns="https://route53.amazonaws.com/doc/2011-</pre>
05 - 05 / " >
   <ResourceRecordSets>
      <ResourceRecordSet>
         <Name>example.com.</Name>
         <Type>NS</Type>
         <TTL>172800</TTL>
         <ResourceRecords>
            <ResourceRecord>
               <Value>ns-2048.awsdns-64.com.</Value>
            </ResourceRecord>
            <ResourceRecord>
               <Value>ns-2049.awsdns-65.net.</Value>
            </ResourceRecord>
            <ResourceRecord>
               <Value>ns-2050.awsdns-66.org.</Value>
            </ResourceRecord>
            <ResourceRecord>
               <Value>ns-2051.awsdns-67.co.uk.</Value>
            </ResourceRecord>
         </ResourceRecords>
      </ResourceRecordSet>
   </ResourceRecordSets>
   <IsTruncated>false</IsTruncated>
```

<MaxItems>10</MaxItems> </ListResourceRecordSetsResponse>

GET GetChange

Description

This action returns the current status of a change batch request. The status is one of the following values:

- PENDING indicates that the changes in this request have not replicated to all Amazon Route 53 DNS servers. This is the initial status of all change batch requests.
- INSYNC indicates that the changes have replicated to all Amazon Route 53 DNS servers.

Requests

Syntax

GET /2011-05-05/change/<change ID>

Headers

The request must include the headers required in all Amazon Route 53 requests. For more information, see Common Headers (p. 44).

Parameters

Name	Description	Required
change ID	The ID of the change batch request. The value that you specify here is the value that POST ChangeResourceRecordSets (p. 22) returned in the Id element when you submitted the request. Type: String Default: None	Yes

Responses

Syntax

Elements

Name	Description
GetChangeResponse	A complex type that contains the ChangeInfo element. Type: Complex Children: ChangeInfo
ChangeInfo	A complex type that contains information about the specified change batch. Type: Complex Parent: GetChangeResponse Children: Id, Status, SubmittedAt
Id	The ID of the change batch. This is the value that you specified in the change ID parameter when you submitted the request. Type: String Parent: ChangeInfo
Status	 The current status of the change batch request: PENDING indicates that the changes in this request have not replicated to all Amazon Route 53 DNS servers. INSYNC indicates that the changes have replicated to all Amazon Route 53 DNS servers. Type: String Valid Values: PENDING INSYNC Parent: ChangeInfo
SubmittedAt	The date and time that the change batch request was submitted. The z after the time indicates that the time is listed in Coordinated Universal Time (UTC), which is synonymous with Greenwich Mean Time in this context. Type: Timestamp Parent: ChangeInfo

Headers

The response will include the headers in all Amazon Route 53 responses. For more information, see Common Headers (p. 44).

Errors

This action returns the following error.

Name	Description
InvalidInput	The input is not valid.

Examples

Request

GET /2011-05-05/change/C2682N5HXP0BZ4

Response

Common Headers

This section lists the common HTTP headers that Route 53 uses in REST requests.

Request Headers

Header Name	Description	Required
X-Amzn-Authorization	The information required for request authentication. For more information, go to Authenticating REST Requests in the Amazon Route 53 Developer Guide.	Yes
Content-Length	Length of the message (without the headers) according to the RFC 2616 specification. Condition: Required if the request body itself contains information (most toolkits add this header automatically).	Conditional
Content-Type	The content type of the resource. Example: text/plain. Condition: Required for POST and PUT requests.	Conditional
Date	The date used to create the signature contained in the X-Amzn-Authorization header. Condition: Required unless you provide the x-amz-date header. For more information about the request time stamp, and for information on formatting dates, go to REST Requests in the Amazon Route 53 Developer Guide).	Conditional
Host	The host being requested. The value must be route53.amazonaws.com. Condition: Required for HTTP 1.1 (most toolkits add this header automatically)	Conditional

Header Name	Description	Required
x-amz-date	The date used to create the signature contained in the X-Amzn-Authorization header.	Conditional
	Condition: Required if you do not provide the Date header. If both this header and the Date header are present, the Date header is ignored. For more information about the request time stamp, and for information on formatting date, go to REST Requests in the Amazon Route 53 Developer Guide).	

Request ID Response Header

Each response contains a request ID that you can use if you need to troubleshoot a request with Amazon Route 53. The ID is contained in an HTTP header called x-amz-request-id. An example of a request ID is 647cd254-e0d1-44a9-af61-1d6d86ea6b77.

Common Errors

The following table lists the errors that all Amazon Route 53 actions return. Errors specific to a particular action are listed in the topic for that action. For information about the format of error responses, go to REST Responses in the Amazon Route 53 Developer Guide.

Error	Description	HTTP Status Code
AccessDenied	Access denied.	403
InappropriateXML	The XML document you provided was well-formed and valid, but not appropriate for this operation.	400
InternalError	We encountered an internal error. Please try again.	500
InvalidAction	The action specified is not valid.	400
InvalidArgument	<parameter and="" name="" problem=""></parameter>	400
UnrecognizedClient	The security token included in the request is invalid.	403
MissingAuthenticationToken	The HTTP authorization header is bad, use the format:	403
	AWS3-HTTPS AWSAccessKeyId=Access Key, Algorithm=ALGORITHM,Signa ture=Base64(Algorithm((ValueOfD ateHeader), SigningKey))	
InvalidHTTPRequest	There was an error in the body of your HTTP request.	400
InvalidURI	Could not parse the specified URI.	400

Error	Description	HTTP Status Code
MalformedXML	The XML you provided was not well-formed or did not validate against our published schema.	400
MissingRequiredParameter	Authorized request must have a date or x-amz-date header.	400
AccessDenied	The API version specified does not exist.	400
NotImplemented	Not implemented.	501
OptInRequired	The AWS Access Key ID needs a subscription for the service.	403
RequestExpired	Request has expired. Time stamp date is <the date="" header<br="" of="" or="" the="" value="" x-amz-date="">you submitted in the request>.</the>	400
InvalidSignature	The request signature Amazon Route 53 calculated does not match the signature you provided. Check your AWS Secret Access Key and signing method. Consult the service documentation for details.	403