



Ad Repository API

January 2024

Version 1.0

Contents

Getting Started.....	3
Versioning	3
Usability	3
Get a list of app and developer names.....	4
Request example	4
Request parameters	4
Response example.....	5
Response properties.....	6
Get a list of countries or regions	7
Response example.....	7
Response properties.....	8
Get a list of ads	9
Request example	9
Request parameters	9
Response example	10
Response properties.....	11
Get ad variations	14
Request parameters.....	14
Response example	15
Response properties	17
Get advertising-restrictions	20
Request example	20
Request parameters	20
Response example	21
Response properties.....	22
Changelog.....	24

Getting Started

Use the Ad Repository API to look up Apple-delivered advertising on the App Store in select European countries and regions as well as information about qualifying advertising restrictions. You can manage API calls programmatically using API tools and programs of your choice.

Versioning

The current version of the API is v1.

Usability

- Communication with the web service must use HTTPS.
- RSQL query patterns are supported in some endpoints.
- The API doesn't accept headers with */*. Disallow Accept */* in your cURL commands.
- API responses will have a header Content-Type: application/json.

Get a list of app and developer names

GET <https://adrepository.apple.com/api/v1/ad-repository-entities>

Use this endpoint to return list of app and developer names based on custom query parameter input. A developer name refers to the developer as identified on the App Store, which is the entity on whose behalf the subject advertising was presented. Only apps that have been advertised in countries or regions in the European Union in which Apple-delivered advertising is available on the App Store are searchable.

Request example

```
GET ~/api/v1/ad-repository-entities?name={URL encoded search input text}
&types==APP
&offset=0
&limit=10
```

Request parameters

Parameter	Type	Required	Description
name	string	yes	Custom query for app and developer names with a minimum of 2 characters required.
types	string	no	Values are: APP DEVELOPER APP , DEVELOPER (The default value or blank which returns all types.)
offset	integer	no	The offset pagination that limits the number of returned records. The default is 0.
limit	integer	no	The maximum number of entries to return per page. The default is 50.

Response example

The AdRepositoryEntity object is returned:

```
{
  "data": [
    {
      "id": 1582276305,
      "name": "TripTrek",
      "type": "APP"
    },
    {
      "id": 819221,
      "name": "Trip Trek, Inc.",
      "type": "DEVELOPER"
    }
  ],
  "pagination": {
    "totalResults": 2,
    "startIndex": 0,
    "itemsPerPage": 15
  }
}
```

Response properties

Parameter	Type	Description
id	integer	A unique identifier. If the type is APP, the id will be an appId. If the type is DEVELOPER, the id is a developerId.
name	string	The entity name on whose behalf the advertising was presented.
type	string	Values are APP, DEVELOPER
pagination	integer	<p>Returned pagination results.</p> <p>totalResults: The total number of entries that return for the operation.</p> <p>startIndex: Specifies the position of the first element in the results. The default is zero.</p> <p>itemsPerPage: Specifies how many items is displayed per page.</p>

Get a list of countries or regions

Use this endpoint to get a list of countries or regions in the European Union in which Apple-delivered advertising is available on the App Store. Use the country codes returned in the response in the [Get a list of ads](#) call.

Request example

GET <https://adrepository.apple.com/api/v1/countries-or-regions>

Response example

```
{
  "data": [
    {
      "name": "Austria",
      "code": "AT"
    },
    {
      "name": "Belgium",
      "code": "BE"
    },
    {
      "name": "Croatia",
      "code": "HR"
    },
    {
      "name": "Czech Republic",
      "code": "CZ"
    },
    {
      "name": "Denmark",
      "code": "DK"
    },
    {
      "name": "Finland",
      "code": "FI"
    },
    {
      "name": "France",
      "code": "FR"
    },
    {
      "name": "Germany",
      "code": "DE"
    },
    {
      "name": "Greece",
      "code": "GR"
    },
    {
      "name": "Hungary",
      "code": "HU"
    },
    {
      "name": "Ireland",
      "code": "IE"
    },
    {
      "name": "Italy",
```

```

        "code": "IT"
    },
    {
        "name": "Netherlands",
        "code": "NL"
    },
    {
        "name": "Poland",
        "code": "PL"
    },
    {
        "name": "Portugal",
        "code": "PT"
    },
    {
        "name": "Romania",
        "code": "RO"
    },
    {
        "name": "Spain",
        "code": "ES"
    },
    {
        "name": "Sweden",
        "code": "SE"
    }
]
}

```

Response properties

Parameter	Type	Description
name	string	The name of the country or region in the European Union in which Apple-delivered advertising is available on the App Store. For example: "Sweden".
code	string	The ISO 3166-1 alpha-2 two-letter country code of the country or region in the European Union in which Apple-delivered advertising is available on the App Store. For example: ES, SE, DE.

Get a list of ads

Use this endpoint to return ad metadata and an adId to use in the [Get Ad Variations](#) call.

GET <https://adrepository.apple.com/api/v1/ad-repository-ads>

Request example

- Use q1= URL encoded RSQL filter to allow special characters.
- You can have both id or countryOrRegion or either in a request. If id is used then type must also be present.

```
GET ~/api/v1/ad-repository-ads
?q1=
    type==APP;
    id==1582276305;
    countryOrRegion=in=(FR,DE);
    datePreset==LAST_90_DAYS;
&offset=0
&limit=50
```

Request parameters

Parameter	Type	Required	Description
type	string	yes	Values are APP, DEVELOPER.
id	string	yes	A unique identifier. If the type is APP, the id is an appld. If the type is DEVELOPER, the id is a developerId.
countryOrRegion	string	yes	A country or region in the European Union in which Apple-delivered advertising is available on the App Store, expressed in ISO 3166-1 alpha-2 format. For example: ES, SE, DE.
datePreset	string	no	The date range of the request. Values are LAST_90_DAYS, LAST_180_DAYS, LAST_YEAR. The default is LAST_90_DAYS.
limit	integer	no	The maximum number of entries to return per page. The default is 50.
offset	integer	no	The offset pagination that limits the number of returned records. The default is 0.

Response example

The AdRepositoryAd object is returned.

```
{
  "data": [
    {
      "adId": "76324182",
      "appId": 1582276305,
      "appName": "TripTrek - travel app",
      "developerId": 819221,
      "developerName": "Apple Inc",
      "legalName": "Apple Inc.",
      "placement": "APPSTORE_SEARCH_RESULT",
      "format": "Icon Ad",
      "countryOrRegion": "ES",
      "audienceRefinement": {
        "ageTarget": "false",
        "genderTarget": "false",
        "locationTarget": "true",
        "customerTypeTarget": "false"
      },
      "firstImpressionDate": "2022-08-25",
      "lastImpressionDate": "2023-04-01",
      "defaultLanguageTag": "es-ES",
      "defaultLanguageDisplayName": "Spanish (Spain)",
      "defaultPreviewDevice": "iPhone_6.5",
      "adBanner": {
        "joeColor": "b:ff4c00p:040404s:171c01t:361303q:452501",
        "iconPictureUrl": "",
        "subtitle": "Planifique sus viajes con confianza.",
        "primaryCategory": "viajar",
        "inAppPurchases": "false",
        "promotionalText": "Descripción de la aplicación mostrada en la App Store.",
        "editorialBadge": "false",
        "shortDescription": "una descripción de la aplicación asociada con el anuncio."
      },
      "adAssets": [
        {
          "videoUrl": "https://...x.png",
          "pictureUrl": "null",
          "order": 1,
          "height": 1920,
          "width": 1080,
          "orientation": "LANDSCAPE"
        }
      ],
      "appIconVariations": [],
      "adLocaleVariations": []
    }
  ],
  "dataStartDate": "2023-01-01",
  "dataEndDate": "2023-04-01",
  "pagination": {
    "totalResults": 330,
    "startIndex": 0,
    "itemsPerPage": 15
  }
}
```

Response properties

Parameter	Type	Description
adId	string	A unique ad identifier. Use adId as a resource in the ad variations call.
appId	integer	The unique identifier of the app associated with an ad.
appName	string	The name of the app associated with an ad.
developerId	integer	The unique identifier of the developer identified on the App Store.
developerName	string	The developer name refers to the developer as identified on the App Store which is the entity on whose behalf the subject advertising was presented. In some instances, the developerName may be different from the legalName field for the same entity.
legalName	string	The legal name of the person or entity identified under the seller field on the App Store. In some instances, the legalName may be different from the developerName for the same entity.
placement	string	The placement of the ad on the App Store. Values are APPSTORE_SEARCH_RESULTS, APPSTORE_TODAY_TAB, APPSTORE_SEARCH_TAB
format	string	The format of the ad. Values are Icon Ad, Icon + Asset Ad.
countryOrRegion	string	A country or region in the European Union in which Apple-delivered advertising is available on the App Store, expressed in ISO 3166-1 alpha-2 format. For example: ES, SE, DE.
audienceRefinement	object	Audience refinement criteria used in an ad campaign.
ageTarget	boolean	Indicates if age parameters are used in an ad campaign.
genderTarget	boolean	Indicates if gender parameters are used in an ad campaign.
locationTarget	boolean	Indicates if country or region parameters are used in an ad campaign.
customerTypeTarget	boolean	Indicates app downloader type. Values are: ALL_USERS NEW_USERS RETURNING_USERS USERS_OF_MY_OTHER_APPS

firstImpressionDate	string	The first date of the first recorded delivered impression for the subject advertising.
lastImpressionDate	string	The last recorded delivered impression for the subject advertising. This date will also correspond to the last impression date for advertising that was restricted but not suspended, stopped, or removed.
defaultLanguageTag	string	The locale code and default language used in the advertiser's App Store geoterritory. For example, es-ES.
defaultLanguageDisplay Name	string	The default language used in the advertiser's App Store geoterritory. For example, "Spanish (Spain)".
defaultPreviewDevice	string	The default device model used in the advertiser's App Store geoterritory. For example, "iPhone_6.5".
adBanner	object	The ad's App Store properties.
joeColor	string	An encoded value that defines colors for text and background of the app as it appears on the App Store.
iconPictureUrl	string	A resolved URL of the ad icon.
subtitle	string	The subtitle of the app that appears on the App Store.
primaryCategory	string	The app category on the App Store.
inAppPurchases	boolean	Indicates if the app has in-app purchases enabled.
promotionalText	string	The app description on the App Store.
editorialBadge	boolean	The app's App Store metadata approval shown alongside the app icon.
shortDescription	string	If promotionalText is not present, a shortDescription matching the default product page is displayed.
adAssets	object	A array of ad assets.
videoUrl	string	The resolved URL for a video asset.
pictureUrl	string	The resolved URL for the image asset.
order	integer	The order of the ad asset that was uploaded to App Store Connect .
height	integer	The height of the ad asset that was uploaded to App Store Connect .
width	integer	The width of the ad asset that was uploaded to App Store Connect .

orientation	string	The orientation of the ad asset that was uploaded to App Store Connect . Values are LANDSCAPE, PORTRAIT, UNKNOWN.
appIconVariations	object	The URL of the app icon on the App Store.
adLocaleVariations	object	The language metadata of ad variations on the App Store.
dataStartDate	string	Returned data is delayed by 7 days. For example, If your datePreset is the LAST_90_DAYS, the system will fetch matching ads by factoring today (UTC) as the dataEndDate minus 7 days. The dataStartDate is reported as the dataEndDate minus 90 days.
dataEndDate	string	Returned data is delayed by 7 days. For example, If your datePreset is the LAST_90_DAYS, the system will fetch matching ads by factoring today (UTC) as the dataEndDate minus 7 days. The dataStartDate is reported as the dataEndDate minus 90 days.
pagination	integer	<p>Returned pagination results.</p> <p>totalResults: The total number of entries that return for the operation.</p> <p>startIndex: Specifies the position of the first element in the results. The default is zero.</p> <p>itemsPerPage: Specifies how many items is displayed per page.</p>

Get ad variations

Use this endpoint to return ad variations by date range. Use the adId returned in the [Get a list of ads](#) call as a resource identifier in the URI.

GET https://adrepository.apple.com/api/v1/ad-repository-ads/{adId}?datePreset=LAST_90_DAYS

Request parameters

Parameter	Type	Required	Description
adId	string	yes	A unique resource ad identifier.
datePreset	string	no	The date range of the request. Values are LAST_90_DAYS, LAST_180_DAYS, LAST_YEAR. The default is LAST_90_DAYS.

Response example

The AdRepositoryAd object is returned.

```
{
  "data": {
    "adId": "397563857",
    "appId": "1582276305",
    "appName": "TripTrek - travel app",
    "developerId": "819221",
    "developerName": "Apple Inc.",
    "legalName": "Apple Inc.",
    "placement": "APPSTORE_SEARCH_RESULTS",
    "format": "Icon Ad",
    "countryOrRegion": "Spain",
    "audienceRefinement": {
      "ageTarget": "true",
      "genderTarget": "false",
      "locationTarget": "true",
      "customerTypeTarget": "false"
    },
    "firstImpressionDate": "2022-08-25",
    "lastImpressionDate": "2023-04-01",
    "defaultLanguageTag": "es-ES",
    "defaultLanguageDisplayName": "Spanish (Spain)",
    "defaultPreviewDevice": "iPhone_6.5",
    "adBanner": {
      "joeColor": "b:ff4c00p:040404s:171c01t:361303q:452501",
      "iconPictureUrl": "https://...x_.png/x.png",
      "subtitle": "Planifique sus viajes con confianza.",
      "primaryCategory": "viajar",
      "inAppPurchases": "false",
      "promotionalText": "Texto promocional que se muestra en la App Store.",
      "editorialBadge": "false",
      "shortDescription": "una descripción de la aplicación asociada con el anuncio."
    },
    "adAssets": [
      {
        "videoUrl": "https://...x_.png/x.png",
        "pictureUrl": "null",
        "order": "1",
        "height": "1920",
        "width": "1080",
        "orientation": "PORTRAIT"
      }
    ],
    "appIconVariations": [
      "https://..._.png/x.png, https://..._x_.png/x.png"
    ],
    "adLocaleVariations": [
      {
        "languageTag": "en-GB",
        "languageDisplayName": "English (Great Britain)",
        "appName": "TripTrek",
        "subTitle": "Plan your trips with confidence.",
        "primaryCategory": "travel",
        "promotionalText": "App description shown on the App Store.",
        "deviceAssets": [
          {
            "previewDevice": "iphone_6_5",
            "adAssets": [
```

```
    {
      "videoUrl": "https..._.png/x.png",
      "pictureUrl": "null",
      "order": "1",
      "height": "1920",
      "width": "1080",
      "orientation": "PORTRAIT"
    }
  ]
}
}
```


Response properties

Parameter	Type	Description
adId	string	A unique ad identifier. Use adId as a resource in the ad variations call.
appId	integer	The unique identifier of the app associated with an ad.
appName	string	The name of the app associated with an ad.
developerId	integer	The unique identifier of the developer as identified on the App Store.
developerName	string	The developer name refers to the developer as identified on the App Store which is the entity on whose behalf the subject advertising was presented. In some instances, the developerName may be different from the legalName field for the same entity.
legalName	string	The legal name of the person or entity identified under the seller field on the App Store. In some instances, the legalName may be different from the developerName for the same entity.
placement	string	The placement of the ad on the App Store. Values are APPSTORE_SEARCH_RESULTS, APPSTORE_TODAY_TAB, APPSTORE_SEARCH_TAB
format	string	The format of the ad. Values are Icon Ad, Icon + Asset Ad.
countryOrRegion	string	A country or region in the European Union in which Apple-delivered advertising is available on the App Store, expressed in ISO 3166-1 alpha-2 format. For example: ES, SE, DE.
audienceRefinement	object	Audience refinement criteria used in an ad campaign.
ageTarget	boolean	Indicates if age parameters are used in an ad campaign.
genderTarget	boolean	Indicates if gender parameters are used in an ad campaign.
locationTarget	boolean	Indicates if country or region parameters are used in an ad campaign.
customerTypeTarget	boolean	Indicates app downloader type. Values are: ALL_USERS NEW_USERS RETURNING_USERS USERS_OF_MY_OTHER_APPS
firstImpressionDate	string	The first date of the first recorded delivered impression for the subject advertising.

lastImpressionDate	string	The last recorded delivered impression for the subject advertising. This date will also correspond to the last impression date for advertising that was restricted but not suspended, stopped, or removed.
defaultLanguageTag	string	The locale code and default language used in the advertiser's App Store geoterritory. For example, es-ES.
defaultLanguageDisplayName	string	The default language used in the advertiser's App Store geoterritory. For example, "Spanish (Spain)".
defaultPreviewDevice	string	The default device model used in the advertiser's App Store geoterritory. For example, "iPhone_6.5".
adBanner	object	The ad's App Store metadata properties.
joeColor	string	An encoded value that defines colors for text and background of the app as it appears on the App Store.
iconPictureUrl	string	A resolved URL of the ad icon.
subtitle	string	The subtitle of the app as it appears on the App Store.
primaryCategory	string	The app category on the App Store.
inAppPurchases	boolean	Indicates if the app has in-app purchases enabled.
promotionalText	string	The app description on the App Store.
editorialBadge	boolean	The app's App Store metadata approval shown next to the app icon.
shortDescription	string	If promotionalText is not present, a shortDescription matching the default product page is displayed.
adAssets	object	A array of ad assets.
videoUrl	string	The resolved URL for a video asset.
pictureUrl	string	The resolved URL for the image asset.
order	integer	The order of the ad asset that was uploaded to App Store Connect .
height	integer	The height of the ad asset that was uploaded to App Store Connect .
width	integer	The width of the ad asset that was uploaded to App Store Connect .
orientation	string	The orientation of the ad asset that was uploaded to App Store Connect . Values are LANDSCAPE, PORTRAIT, UNKNOWN.

appIconVariations	object	The URL of the app icon on the App Store.
adLocaleVariations	object	The language metadata of ad variations on the App Store.
languageTag	string	The locale code of the language used in the ad variation on the advertiser's App Store geoterritory. For example, es-ES.
languageDisplayName	string	The language used in the ad variation on the advertiser's App Store geoterritory. "Spanish (Spain)"
appName	string	The name of the app associated with an ad.
subTitle	string	The subtitle of the app that appears on the App Store.
primaryCategory	string	The app category on the App Store.
promotionalText	string	The app description on the App Store.
deviceAssets	object	The device properties used in an ad campaign.
previewDevice	string	The device displaying the ad.
adAssets	string	The resolved URL for an ad asset.
videoUrl	string	The resolved URL for a video asset.
pictureUrl	string	The resolved URL for the screenshot or a screenshot of the image asset.
order	integer	The order of the ad asset that was uploaded to App Store Connect .
height	integer	The height of the ad asset that was uploaded to App Store Connect .
width	integer	The width of the ad asset that was uploaded to App Store Connect .
orientation	string	The orientation of the ad asset that was uploaded to App Store Connect . Values are LANDSCAPE, PORTRAIT, UNKNOWN

Get advertising-restrictions

Use this endpoint to return details of advertising-restrictions applied during a date range. Ads must have at least one advertising impression to be included in the response.

GET <https://adrepository.apple.com/api/v1/restrictions>

Request example

Use q1= URL encoded RSQL filter to allow special characters.

```
GET ~/api/v1/restrictions
?q1=
    actionTaken==ACTION_ADVERTISING_REMOVED;
    datePreset==LAST_90_DAYS
    &offset=0
    &limit=50
```

Request parameters

Parameter	Type	Required	Description
actionTaken	string	yes	The action taken on the restriction, Values are: ACTION_ACCOUNT_SUSPENDED ACTION_ADVERTISING_REMOVED
datePreset	string	no	The date range of the request. Values are LAST_90_DAYS, LAST_180_DAYS, LAST_YEAR. The default is LAST_90_DAYS.
limit	integer	no	The maximum number of entries to return per page. The default is 50.
offset	integer	no	The offset pagination that limits the number of returned records. The default is 0.

Response example

The restriction object is returned.

```
{
  "data": [
    {
      "actionDate": "2022-08-26",
      "actionTaken": "ACTION_ADVERTISING_REMOVED",
      "reason": "REASON_TOS_INCOMPATABILITY",
      "basis": "Government order.",
      "details": "Incompatible with Terms and Conditions.",
      "firstImpressionDate": "2022-08-25",
      "affectedPlacements": [
        {
          "placement": "APPSTORE_TODAY_TAB",
          "countriesOrRegions": [
            "BE",
            "FR"
          ]
        }
      ],
      "audienceRefinement": {
        "ageTarget": true,
        "genderTarget": false,
        "locationTarget": true,
        "customerTypeTarget": false
      }
    }
  ],
  "dataStartDate": "2022-01-01",
  "dataEndDate": "2022-09-01",
  "pagination": {
    "totalResults": 2,
    "startIndex": 0,
    "itemsPerPage": 50
  }
}
```

Response properties

Parameter	Type	Description
actionDate	string	The date the restriction was enforced.
actionTaken	string	The action taken on the restriction, Values are: ACTION_ACCOUNT_SUSPENDED ACTION_ADVERTISING_REMOVED
reason	string	The reason on the basis of which the advertising restriction was imposed. For example: REASON_GOVERNMENT_ORDER REASON_THIRD_PARTY_REPORT REASON_POLICY_RESTRICTION_AGE REASON_POLICY_RESTRICTION REASON_TOS_INCOMPATABILITY
basis	string	The basis of the restriction. For example, "Incompatible with Terms and Conditions".
details	string	Details of the restriction. For example, "Removed due to governmental order".
firstImpressionDate	string	The first date of the first recorded delivered impression for the subject advertising.
affectedPlacements	object	Metadata of the ad restriction's App Store placement.
placement	string	The placement of the ad on the App Store. Values are APPSTORE_SEARCH_RESULTS, APPSTORE_TODAY_TAB, APPSTORE_SEARCH_TAB
countriesOrRegions	string	Countries or regions in the European Union in which Apple-delivered advertising is available on the App Store, expressed in ISO 3166-1 alpha-2 format. For example: ES, SE, DE.
audienceRefinement	object array	Audience refinement criteria used in an ad campaign.
ageTarget	boolean	Indicates if age parameters are used in the ad campaign.
genderTarget	boolean	Indicates if gender parameters are used in the ad campaign.
locationTarget	boolean	Indicates if country or region parameters are used in the ad campaign.
customerTypeTarget	boolean	Indicates app downloader type. Values are: ALL_USERS NEW_USERS RETURNING_USERS USERS_OF_MY_OTHER_APPS
dataStartDate	string	Returned data is delayed by 7 days. For example, if your datePreset is the LAST_90_DAYS, the system will fetch matching ads by factoring today (UTC) as the dataEndDate minus 7 days. The dataStartDate is reported as the dataEndDate minus 90 days.

dataEndDate	string	Returned data is delayed by 7 days. For example, If your datePreset is the LAST_90_DAYS, the system will fetch matching ads by factoring today (UTC) as the dataEndDate minus 7 days. The dataStartDate is reported as the dataEndDate minus 90 days.
pagination	integer	<p>Returned pagination results.</p> <p>totalResults: The total number of entries that return for the operation.</p> <p>startIndex: Specifies the position of the first element in the results. The default is zero.</p> <p>itemsPerPage: Specifies how many items is displayed per page.</p>

Changelog

Date	Notes
January, 2024	Added joecolor to AdRepositoryAd object response.
November, 2023	Added short description field. See Get a list of ads Response properties and Get ad variations Response properties .
August, 2023	Initial version.



Apple Inc.
Copyright © 2024 Apple Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer or device for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice. No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist publishers and partners with trafficking Advertising on Apple News.

Apple Inc.
Ad Platforms
One Apple Park Way
Cupertino, CA 95014, USA

APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY. IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT, ERROR OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages. Some jurisdictions do not allow the exclusion of implied warranties or liability, so the above exclusion may not apply to you.