



Review of Earthsciences.ir

Generated on 2026-07-11

Introduction

This report provides a review of the key factors that influence the SEO and usability of your website.

The homepage rank is a grade on a 100-point scale that represents your Internet Marketing Effectiveness. The algorithm is based on 70 criteria including search engine data, website structure, site performance and others. A rank lower than 40 means that there are a lot of areas to improve. A rank above 70 is a good mark and means that your website is probably well optimized.

Internal pages are ranked on a scale of A+ through E and are based on an analysis of nearly 30 criteria.

Our reports provide actionable advice to improve a site's business objectives.

Please contact us for more information.

Table of Contents

Search Engine Optimization

Mobile

Visitors

Link Analysis

Usability

Technologies

Social

Iconography



Good



To Improve



Errors



Not Important



Hard to solve



Little tough to solve



Easy to solve



No action necessary





Title Tag



Database Sciences Earth | پایگاه علوم زمین

Length: 42 character(s)

Ideally, your title tag should contain between 10 and 70 characters (spaces included).

Make sure your title is explicit and contains your most important keywords.

Be sure that each page has a unique title.



Meta Description



علوم زمین و جغرافیا را فرا مدرن بیاموزید .

Length: 42 character(s)

Meta descriptions contains between 100 and 300 characters (spaces included).

It allow you to influence how your web pages are described and displayed in search results.

Ensure that all of your web pages have a unique meta description that is explicit and contains your most important keywords (these appear in bold when they match part or all of the user's search query).

A good meta description acts as an organic advertisement, so use enticing messaging with a clear call to action to maximize click-through rate.



Meta Keywords



No Keywords

Meta Keywords are a specific type of meta tag that appear in the HTML code of a Web page and help tell search engines what the topic of the page is.

However, google can't use meta keywords.



Google Preview



[Database Sciences Earth | پایگاه علوم زمین
earthsciences.ir/](http://earthsciences.ir/)

علوم زمین و جغرافیا را فرا مدرن بیاموزید .

This is an example of what your Title Tag and Meta Description will look like in Google search results.

While Title Tags & Meta Descriptions are used to build the search result listings, the search engines may create their own if they are missing, not well written, or not relevant to the content on the page.

Title Tags and Meta Descriptions are cut short if they are too long, so it's important to stay within the suggested character limits.

<H1> Earth Sciences Database | زمین علوم پایگاه </H1>

<H2> 2024 کالا اینترنتی فروشگاه </H2>

<H2> . زمین علوم آموزشی پایگاه پیچ وب </H2>

<H2> </H2> گردشگری زمین - نور پیام دانشگاه - ژئوتوریسم کتاب دانلود

<H2> 1402 پاییز - 25 شماره - زمین آوای شناسی زمین مجله دانلود </H2>

<H2> </H2> وند زینی ایرج - شناسی زمین دوم فصل کشوری آنلاین مسابقه سوالات دفترچه دانلود

<H2> </H2> ترکیه و سوریه در سخت لرزش شود می ایجاد چطور ، چیست زلزله

<H2> </H2> . تهران شهر در ... و شهر - کشور هر از شما تبلیغاتی تراکت پخش

<H2> LANBENA لاتینا ریش و مو رشد روغن </H2>

<H2> </H2> اعضا ورود

<H2> </H2> نام ثبت

<H2> </H2> بندی دسته

<H2> </H2> روزانه های پیوند

<H2> </H2> ها پیوند

<H2> </H2> سایت آرشیو

<H2> </H2> اطلاعات و آمار

<H2> </H2> جدید های پست

<H2> </H2> ماه پربازدید های پست

<H2> </H2> پیشنهادی های پست

<H2> </H2> سال پربازدید های پست

<H3> </H3> . زمین علوم آموزشی پایگاه پیچ وب

<H3> </H3> (زمین پویایی) ششم فصل - یازدهم شناسی زمین آموزش فیلم - زلزله - نجات کوله

Use your keywords in the headings and make sure the first level (H1) includes your most important keywords. Never duplicate your title tag content in your header tag.

While it is important to ensure every page has an H1 tag, never include more than one per page. Instead, use multiple H2 - H6 tags.

Keywords Cloud



This Keyword Cloud provides an insight into the frequency of keyword usage within the page.

It's important to carry out keyword research to get an understanding of the keywords that your audience is using. There are a number of keyword research tools available online to help you choose which keywords to target.

Keyword Consistency

Keywords	Freq	Title	Desc	<H>
زمین	101	✓	✓	✓
دانلود	46	✗	✗	✓
شناسی	35	✗	✗	✓
سوالات	30	✗	✗	✓
نهایی	30	✗	✗	✗
کتاب	26	✗	✗	✓
علوم	25	✓	✓	✓
مرداد	25	✗	✗	✗
های	22	✗	✗	✓
شبه	21	✗	✗	✗
زلزله	19	✗	✗	✓
پایگاه	15	✓	✗	✓
آموزشی	15	✗	✗	✓
نامبر	14	✗	✗	✗
یازدهم	13	✗	✗	✓

This table highlights the importance of being consistent with your use of keywords.

To improve the chance of ranking well in search results for a specific keyword, make sure you include it in some or all of the following: page URL, page content, title tag, meta description, header tags, image alt attributes, internal link anchor text and backlink anchor text.



Alt Attribute



We found 50 images on this web page

✓ No ALT attributes are empty or missing.

Alternative text is used to describe images to give the search engine crawlers (and the visually impaired).

Also, more information to help them understand images, which can help them to appear in Google Images search results.



Text/HTML Ratio



HTML to Text Ratio is: **15.88%**

Text content size 13932 bytes

Total HTML size 87715 bytes

Code to text ratio represents the percentage of actual text on a web page compared to the percentage of HTML code, and it is used by search engines to calculate the relevancy of a web page.

A higher code to text ratio will increase your chances of getting a better rank in search engine results.



GZIP compression



Wow! It's GZIP Enabled.

✓ Your webpage is compressed from 86 KB to 15 KB (83 % size savings)

Gzip is a method of compressing files (making them smaller) for faster network transfers.

It allows to reduce the size of web pages and any other typical web files to about 30% or less of its original size before it transfer.

 **IP Canonicalization** No your domain IP 185.169.6.226 does not redirect to earthsciences.ir
  

To check this for your website, enter your IP address in the browser and see if your site loads with the IP address.
Ideally, the IP should redirect to your website's URL or to a page from your website hosting provider.
If it does not redirect, you should do an htaccess 301 redirect to make sure the IP does not get indexed.

 **URL Rewrite** Warning! We have detected parameters in a massive number of URLs
  

Your site's URLs contain unnecessary elements that make them look complicated.
A URL must be easy to read and remember for users. Search engines need URLs to be clean and include your page's most important keywords.
Clean URLs are also useful when shared on social media as they explain the page's content.

 **Underscores in the URLs** Great, you are not using underscores (these_are_underscores) in your URLs
  

Great, you are not using ?underscores (these_are_underscores) in your URLs.
While Google treats hyphens as word separators, it does not for underscores.

✓ **WWW Resolve** Great, a redirect is in place to redirect traffic from your non-preferred domain.



Redirecting requests from a non-preferred domain is important because search engines consider URLs with and without "www" as two different websites.

✓ **XML Sitemap** Good, you have XML Sitemap file!



<http://earthsciences.ir/sitemap.xml>

A robots.txt file allows you to restrict the access of search engine robots that crawl the web and it can prevent these robots from accessing specific directories and pages. It also specifies where the XML sitemap file is located.

You can check for errors in your robots.txt file using Google Search Console (formerly Webmaster Tools) by selecting 'Robots.txt Tester' under 'Crawl'. This also allows you to test individual pages to make sure that Googlebot has the appropriate access.

✓ **Robots.txt** Good, you have Robots.txt file!



<http://earthsciences.ir/robots.txt>

A sitemap lists URLs that are available for crawling and can include additional information like your site's latest updates, frequency of changes and importance of the URLs. This allows search engines to crawl the site more intelligently.

We recommend that you generate an XML sitemap for your website and submit it to both Google Search Console and Bing Webmaster Tools. It is also good practice to specify your sitemap's location in your robots.txt file.



Embedded Objects

Perfect, no embedded objects has been detected on this page



Embedded Objects such as Flash. It should only be used for specific enhancements.

Although Flash content often looks nicer, it cannot be properly indexed by search engines.

Avoid full Flash websites to maximize SEO.



Iframe

Perfect, no Iframe content has been detected on this page



Frames can cause problems on your web page because search engines will not crawl or index the content within them.

Avoid frames whenever possible and use a NoFrames tag if you must use them.



Domain Registration

Exactly how many years and months



Domain Age: Not Available

Created Date: Not Available

Updated Date: Not Available

Expiry Date: Not Available

Domain age matters to a certain extent and newer domains generally struggle to get indexed and rank high in search results for their first few months (depending on other associated ranking factors). Consider buying a second-hand domain name.

Do you know that you can register your domain for up to 10 years? By doing so, you will show the world that you are serious about your business.



Indexed Pages



Indexed pages in search engines

0 Page(s)

This is the number of pages that we have discovered on your website.

A low number can indicate that bots are unable to discover your webpages, which is a common cause of a bad site architecture & internal linking, or you're unknowingly preventing bots and search engines from crawling & indexing your pages.



Backlinks Counter



Number of backlinks to your website

1,641 Backlink(s)

Backlinks are links that point to your website from other websites. They are like letters of recommendation for your site.

Since this factor is crucial to SEO, you should have a strategy to improve the quantity and quality of backlinks.



URL

http://earthsciences.ir
Length: 13 characters

Keep your URLs short and avoid long domain names when possible.

A descriptive URL is better recognized by search engines.

A user should be able to look at the address bar and make an accurate guess about the content of the page before reaching it (e.g., http://www.mysite.com/en/products).



Favicon

 Great, your website has a favicon.

Favicons improve a brand's visibility.

As a favicon is especially important for users bookmarking your website, make sure it is consistent with your brand.



Custom 404 Page

Great, your website has a custom 404 error page.

When a visitor encounters a 404 File Not Found error on your site, you're on the verge of losing the visitor that you've worked so hard to obtain through the search engines and third party links.

Creating your custom 404 error page allows you to minimize the number of visitors lost that way.



Page Size

86 KB (World Wide Web average is 320 Kb)



Two of the main reasons for an increase in page size are images and JavaScript files.

Page size affects the speed of your website; try to keep your page size below 2 Mb.

Tip: Use images with a small size and optimize their download with gzip.



Load Time

2.01 second(s)



Site speed is an important factor for ranking high in Google search results and enriching the user experience.

Resources: Check out Google's developer tutorials for tips on how to make your website run faster.



Language

Good, you have declared your language
Declared Language: Farsi



Make sure your declared language is the same as the language detected by Google

Also, define the language of the content in each page's HTML code.

Domains (TLD)	Status
earthsciences.com	Already Registered
earthsciences.net	Already Registered
earthsciences.org	Already Registered
earthsciences.biz	Already Registered
earthsciences.us	Available

Register the various extensions of your domain to protect your brand from cybersquatters.

Domains (TLD)	Status
warthsciences.ir	Available
sarthsciences.ir	Available
darthsciences.ir	Available
farthsciences.ir	Available
rarthsciences.ir	Available

Register the various typos of your domain to protect your brand from cybersquatters.



Email Privacy



Good, no email address has been found in plain text.

We don't recommend adding plain text/linked email addresses to your webpages.

As malicious bots scrape the web in search of email addresses to spam. Instead, consider using a contact form.



Safe Browsing



The website is not blacklisted and looks safe to use.

Safe Browsing to identify unsafe websites and notify users and webmasters so they can protect themselves from harm.



Mobile Friendliness



Oh No! This page is not mobile-friendly.
Your mobile friendly score is 0/100

Mobile Friendliness refers to the usability aspects of your mobile website, which Google uses as a ranking signal in mobile search results.



Mobile Compatibility



Perfect, no embedded objects detected.

Embedded Objects such as Flash, Silverlight or Java. It should only be used for specific enhancements.

But avoid using Embedded Objects, so your content can be accessed on all devices.



Mobile View



The number of people using the Mobile Web is huge; over 75 percent of consumers have access to smartphones. ??

Your website should look nice on the most popular mobile devices.

Tip: Use an analytics tool to track mobile usage of your website.

Server IP

Server IP	Server Location	Service Provider
185.226.140.40	Not Available	Not Available

Your server's IP address has little impact on your SEO. Nevertheless, try to host your website on a server which is geographically close to your visitors.

Search engines take the geolocation of a server into account as well as the server speed.

Speed Tips

Tips for authoring fast-loading HTML pages:

- ✗ Too bad, your website has too many CSS files.
- ✗ Too bad, your website has too many JavaScript files.
- ✓ Perfect, your website doesn't use nested tables.
- ✗ Too bad, your website is using inline styles.

Website speed has a huge impact on performance, affecting user experience, conversion rates and even rankings.

By reducing page load-times, users are less likely to get distracted and the search engines are more likely to reward you by ranking your pages higher in the SERPs.

Conversion rates are far higher for websites that load faster than their slower competitors.

Analytics

We didn't detect an analytics tool installed on this website.

Web analytics let you measure visitor activity on your website.

You should have at least one analytics tool installed, but It can also be good to install a second in order to cross-check the data.



Doc Type

Your Web Page doctype is HTML 5



The Doctype is used to instruct web browsers about the document type being used.

For example, what version of HTML the page is written in.

Declaring a doctype helps web browsers to render content correctly.



W3C Validity

W3C not validated



W3C is a consortium that sets web standards.

Using valid markup that contains no errors is important because syntax errors can make your page difficult for search engines to index.

Run the W3C validation service whenever changes are made to your website's code.



Encoding

Great, language/character encoding is specified: UTF-8



Specifying language/character encoding can prevent problems with the rendering of special characters.

Social Data

Your social media status

 Facebook: 

 Twitter: 

 Instagram: 

Social data refers to data individuals create that is knowingly and voluntarily shared by them.

Cost and overhead previously rendered this semi-public form of communication unfeasible.

But advances in social networking technology from 2004-2010 has made broader concepts of sharing possible.

 Traffic Rank

No Global Rank

A low rank means that your website gets a lot of visitors.
Your Alexa Rank is a good estimate of the worldwide traffic to your website, although it is not 100 percent accurate.

 Visitors Localization

Your website is popular on following countries:

Popularity at	None
Regional Rank	None

We recommend that you book the domain names for the countries where your ??website is popular.
This will prevent potential competitors from registering these domains and taking advantage of your reputation in such countries.

 Estimated Worth

\$60 USD

Just a estimated worth of your website based on Alexa Rank.



In-Page Links

We found a total of 128 links including both internal & external links of your site

Anchor	Type	Follow
دانلود مجله علمی	Internal Links	Dofollow
دانلود مجله زمین شناسی	Internal Links	Dofollow
علوم زمین	Internal Links	Dofollow
اطلاعیه ها	Internal Links	Dofollow
دانلود نمونه سوال	Internal Links	Dofollow
دانلود سوال زمین شناسی	Internal Links	Dofollow
دانلود جزوه	Internal Links	Dofollow
دانلود جزوه زمین شناسی	Internal Links	Dofollow
دانلود فیلم	Internal Links	Dofollow
حل سوال ویدیویی	Internal Links	Dofollow
دانلود فیلم زمین لرزه	Internal Links	Dofollow
دانلود کتاب	Internal Links	Dofollow
دانلود کتاب ژئوتوریسم (زمین گردشگری)	Internal Links	Dofollow
دانلود کتاب زیست شناسی دریا	Internal Links	Dofollow
دانلود کتاب آب شناسی	Internal Links	Dofollow
دانلود کتاب زمین شناسی	Internal Links	Dofollow
دانلود کتاب خاک شناسی	Internal Links	Dofollow
تماس با ما	Internal Links	Dofollow
No Anchor Text	Internal Links	Dofollow
وب پیج پایگاه آموزشی علوم زمین .	Internal Links	Dofollow
کوله نجات - زلزله - فیلم آموزش زمین شناسی یازدهم - فصل ششم (پویایی زمین)	Internal Links	Dofollow
وب پیج پایگاه آموزشی علوم زمین .	Internal Links	Dofollow
علوم زمین	Internal Links	Dofollow
پایگاه علوم زمین	Internal Links	Dofollow
پایگاه آموزشی علوم زمین	Internal Links	Dofollow
پایگاه خبری علوم زمین	Internal Links	Dofollow
زمین شناسی	Internal Links	Dofollow
اخبار زمین شناسی	Internal Links	Dofollow
آموزش زمین شناسی	Internal Links	Dofollow
آزمون زمین شناسی	Internal Links	Dofollow
زمین شناسی مدرن	Internal Links	Dofollow
زمین شناسی آموزشی	Internal Links	Dofollow
زمین شناسی خبری	Internal Links	Dofollow
زمین شناسی اخبار	Internal Links	Dofollow
زمین شناسی فرا مدرن	Internal Links	Dofollow
geology	Internal Links	Dofollow
earthsciences	Internal Links	Dofollow
خبر های تحلیلی	Internal Links	Dofollow
اخبار تحلیلی زمین شناسی	Internal Links	Dofollow
اخبار زمین شناسی تحلیلی	Internal Links	Dofollow
تحلیل زمین شناسی خبری	Internal Links	Dofollow
رضا علیاری	Internal Links	Dofollow
وبلاگ زمین شناسی	Internal Links	Dofollow
آموزش زمین شناسی مدرن	Internal Links	Dofollow
سازمان پیشگیری و مدیریت بحران شهر تهران	Internal Links	Dofollow
مدیریت بحران شهر تهران	Internal Links	Dofollow
سازمان پیشگیری	Internal Links	Dofollow

مدیریت بحران	Internal Links	Dofollow
تهران	Internal Links	Dofollow
شهر تهران	Internal Links	Dofollow
tehran	Internal Links	Dofollow
دانلود کتاب ژئوتوریسم - دانشگاه پیام نور - زمین گردشگری	Internal Links	Dofollow
دانلود کتاب ژئوتوریسم - دانشگاه پیام نور - زمین گردشگری	Internal Links	Dofollow
دکتر بهزاد حاج علیلو	Internal Links	Dofollow
مهندس بهرام نکویی صدر	Internal Links	Dofollow
میراث طبیعی و گردشگری	Internal Links	Dofollow
مفاهیم اصلی در صنعت ژئوتوریسم و ژئوپارک ها	Internal Links	Dofollow
انواع ژئوتوریسم	Internal Links	Dofollow
ابزار های تفسیر ژئوتوریسم	Internal Links	Dofollow
نمونه ژئوپارک ها و ژئوسایت های ایران و جهان	Internal Links	Dofollow
حفاظت از پدیده های زمین شناختی	Internal Links	Dofollow
آینده صنعت ژئوتوریسم و ژئوپارک ها	Internal Links	Dofollow
ژئوپارک ها ، صنعت ژئوتوریسم و توسعه ی پایدار	Internal Links	Dofollow
دانلود مجله زمین شناسی آوای زمین - شماره 25 - پاییز 1402	Internal Links	Dofollow
دانلود مجله زمین شناسی آوای زمین - شماره 25 - پاییز 1402	Internal Links	Dofollow
دانلود مجله زمین شناسی آوای زمین	Internal Links	Dofollow
دانلود دفترچه سوالات مسابقه آنلاین کشوری فصل دوم زمین شناسی - ایرج زینی وند	Internal Links	Dofollow
دانلود دفترچه سوالات مسابقه آنلاین کشوری فصل دوم زمین شناسی - ایرج زینی وند	Internal Links	Dofollow
ایرج زینی وند	Internal Links	Dofollow
گروه زمین شناسی و انسان و محیط زیست استان ایلام	Internal Links	Dofollow
استان ایلام	Internal Links	Dofollow
مسابقه آنلاین کشوری فصل دوم زمین شناسی	Internal Links	Dofollow
ویژه دانش آموزان رشته تجربی و ریاضی پایه یازدهم سراسر کشور	Internal Links	Dofollow
گروه زمین شناسی و انسان و محیط زیست	Internal Links	Dofollow
زلزله چیست ، چطور ایجاد می شود لرزش سخت در سوریه و ترکیه	Internal Links	Dofollow
زلزله چیست ، چطور ایجاد می شود لرزش سخت در سوریه و ترکیه	Internal Links	Dofollow
زلزله چیست	Internal Links	Dofollow
زلزله چطور ایجاد می شود	Internal Links	Dofollow
لرزش سخت در سوریه و ترکیه	Internal Links	Dofollow
سوریه	Internal Links	Dofollow
ترکیه	Internal Links	Dofollow
لرزش سخت در ترکیه و سوریه	Internal Links	Dofollow
لرزش سخت سوریه و ترکیه	Internal Links	Dofollow
زمین لرزه سوریه و ترکیه	Internal Links	Dofollow
زمین لرزه ترکیه و سوریه	Internal Links	Dofollow
earthquake	Internal Links	Dofollow
syria	Internal Links	Dofollow
Turkey	Internal Links	Dofollow
what-is-an-earthquake-how-does-it-occur-severe-shaking-in-syria-and-turkey	Internal Links	Dofollow
23 فوریه 2026	Internal Links	Dofollow
مرز سوریه و ترکیه	Internal Links	Dofollow
مرز بین سوریه و ترکیه	Internal Links	Dofollow
مرز بین ترکیه و سوریه	Internal Links	Dofollow
2	Internal Links	Dofollow
3	Internal Links	Dofollow
5	Internal Links	Dofollow
1405/04/16	Internal Links	Dofollow
1405/04/15	Internal Links	Dofollow
1405/04/14	Internal Links	Dofollow
1405/04/12	Internal Links	Dofollow

1405/04/11	Internal Links	Dofollow
1405/04/10	Internal Links	Dofollow
1405/04/03	Internal Links	Dofollow
1405/04/01	Internal Links	Dofollow
دانلود رایگان کتاب جانوران زهرآگین خلیج فارس 15-04-1405	Internal Links	Dofollow
دانلود حل ویدیویی سوالات امتحانی شبه نهایی مناسب مرداد 14-04-1405	Internal Links	Dofollow
بانک سوالات شبه نهایی زمین شناسی یازدهم متوسطه مرداد 1405 نامیر 14-04-1405	Internal Links	Dofollow
بانک سوالات شبه نهایی زمین شناسی یازدهم متوسطه مرداد 1405 نامیر 14-04-1405	Internal Links	Dofollow
بانک سوالات شبه نهایی زمین شناسی یازدهم متوسطه مرداد 1405 نامیر 14-04-1405	Internal Links	Dofollow
بانک سوالات شبه نهایی زمین شناسی یازدهم متوسطه مرداد 140572 بازدید	Internal Links	Dofollow
دانلود کتاب درسی علوم زمین 70. بازدید	Internal Links	Dofollow
کوله نجات - زلزله - فیلم آموزش زمین شناسی یازدهم - فصل ششم (پویایی زمین) 61 بازدید	Internal Links	Dofollow
توصیه های لازم بعد از وقوع زلزله + فیلم 53 بازدید	Internal Links	Dofollow
دانلود سوالات نهایی زمین شناسی سال یازدهم با جواب - شهریور 1404 - استان مرکزی 45 بازدید	Internal Links	Dofollow
توصیه های لازم قبل از وقوع زلزله + فیلم 44 بازدید	Internal Links	Dofollow
توصیه های لازم هنگام وقوع زلزله + فیلم 44 بازدید	Internal Links	Dofollow
زلزله چطور اتفاق می افتد و چرا ما نمی توانیم اون رو پیش بینی کنیم ؟ + ویدیو	Internal Links	Dofollow
دانلود کتاب پاسخ های گیاه به آلودگی خاک	Internal Links	Dofollow
دانلود کتاب آبیاری بارانی	Internal Links	Dofollow
پایگاه علوم زمین Database Sciences Earth	External Links	Dofollow
https://kala2024.ir	External Links	Dofollow
No Anchor Text	External Links	Dofollow
1	External Links	Dofollow
پایگاه آموزشی خبری علوم زمین - آپارات	External Links	Dofollow
پایگاه آموزشی خبری علوم زمین - نماشا	External Links	Dofollow
رضا تایمز	External Links	Dofollow
Geology.com is one of the world's leading portals to geology and Earth science news and information for rocks, minerals, gemstones, energy, volcanoes, ...	External Links	Dofollow
Powered by : LOXBLOG.com	External Links	Dofollow

While there's no exact limit to the number of links you should include on a page, best practice is to avoid exceeding 200 links.

Links pass value from one page to another, but the amount of value that can be passed is split between all of the links on a page. This means that adding unnecessary links will dilute the potential value attributed to your other links.

Using the Nofollow attribute prevents value from being passed to the linking page, but it's worth noting that these links are still taken into account when calculating the value that is passed through each link, so Nofollow links can also dilute pagerank.



Broken Links



No broken links were found on this web page

Broken links send users to non-existing web pages. They are bad for your site's usability, reputation and SEO. If you find broken links in the future, take the time to replace or remove each one.