

Cyber security tools

Youth Exchange “Stay safe”

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Two-factor authentication (2FA)

- **Two-factor authentication (2FA)** is a specific type of multi-factor authentication (MFA) that strengthens access security by requiring two methods (also referred to as authentication factors) to verify our identity.
- These factors can include something we know - like a username and password - plus something we have - like a smartphone app - to approve authentication requests.



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Benefits of using 2FA

- Improved security – by asking the user for a second form of identification, SMS two-factor authentication reduces the chances that an attacker can pretend to be the user and gain access to sensitive resources. Even if a hacker manages to access the password, it will be impossible to access any account without a pass code.
- Increases flexibility and productivity – more businesses are embracing mobility because it adds to employee productivity. With mobile two-factor authentication, the employees of a company can access documents, data, and corporate apps from any device without compromising the corporate network's sensitive information.
- Reduces fraud and create secure online relationships – with the increasing cases of identity theft, fraud has a direct effect on the bottom line. In worst cases, it can result in the loss of credibility, brand equity, and trust.



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Ad-block

- ◉ **Ad blocking** or **ad filtering** is a software capability for blocking or altering online advertising in a web browser, an application or a network. This may be done using browser extensions or other methods.



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Reasons for blocking ads

- ◉ Protecting privacy
- ◉ Protecting from malvertising
- ◉ Saving bandwidth (and by extension, money)
- ◉ Better user experience
- ◉ Accessibility reasons
- ◉ Saving battery on mobile devices or laptops
- ◉ Prevents undesirable websites from making ad revenue out of the user's visit



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Benefits of using Ad-block

- ◉ Quicker loading
- ◉ Cleaner looking web pages with fewer distractions
- ◉ Lower resource waste (bandwidth, CPU, memory, etc.)
- ◉ Privacy benefits gained through the exclusion of the tracking and profiling systems of ad delivery platforms
- ◉ Saves substantial amounts of electrical energy and lower users' power bills



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Brave

- **Brave** is a free and open-source privacy-focused web browser, which automatically blocks online advertisements and website trackers in its default settings.
- It also provides users the choice to turn on optional ads that pay users for their attention in the form of Basic Attention Tokens (BAT) cryptocurrency.



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Benefits of using Brave

- It practices a better privacy policy by not collecting users' browsing activities. Everything we do on the browser stays private on our device and will not be shared with any third-party.
- It encrypts our sync data to seamlessly use the same browser settings and bookmarks on multiple devices.
- It provides faster browsing experience.



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VPN

- A **VPN** is a virtual private network that encrypts data as it moves from one place to another across the internet.
- Instead of our information traveling across the exposed highways of the world wide web, a VPN keeps our search history, downloaded files, online activities, and geolocation secure in a private tunnel.



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Benefits of using VPN

- Secures public Wi-Fi connections
- Prevents price discrimination
- Online banking security
- Helps to stay anonymous when browsing
- Protects personal data non-stop



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STAY SAFE ONLINE!



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