# Immersive System Requirements

## Browser requirements

Access the platform using the latest (or penultimate) version of the following browsers:

- Microsoft Edge
- Safari
- Chrome
- Firefox

## Accessing the platform

Organizations should allow access to some domains to ensure connectivity to all our operational services. Allow-list the below:

- *.immersivelabs.online
- *us.immersivelabs.com
- community.immersivelabs.com
- imlbank.info
- johnderayo.xyz
- *.snaplabs.io
- *.access-snaplabs.io

Make sure to add *.immersivelabs.online to the list of sites allowed to use third-party cookies.

Alternatively, here is the full list of URLs that should be allow-listed to grant full functionality of the labs, our platform, and Cyber Ranges:

| EU platform | US platform |
|---|---|
| <ul><li>api.immersivelabs.online</li><li>cyberchef.immersivelabs.online</li><li>community.immersivelabs.com</li><li>imlbank.info</li><li>johnderayo.xyz</li><li>Play.immersivelabs.online</li></ul> | <ul><li>api.us.immersivelabs.com</li><li>cyberchef.immersivelabs.online</li><li>community.immersivelabs.com</li><li>imlbank.info</li><li>johnderayo.xyz</li><li>play.us.immersivelabs.com</li></ul> |

| | |
|---|---|
| ● assets.immersivelabs.online<br>● games.immersivelabs.online | ● assets.us.immersivelabs.com<br>● games.us.immersivelabs.com |
| ● lab-content.immersivelabs.online<br>● *.proxy-http.immersivelabs.online<br>● *.snaplabs.io<br>● *.access-snaplabs.io<br>● *.immersivelabs.team | ● lab-content.immersivelabs.online<br>● *.proxy-http.us.immersivelabs.com<br>● *.snaplabs.io<br>● *.access-snaplabs.io<br>● *.immersivelabs.team |

If you are an organization that has its own subdomain, then also allow-list your specific subdomain:

| | |
|---|---|
| ● *<insert org name>*.immersivelabs.online<br>● *<insert org name>*.api.immersivelabs.online | ● *<insert org name>*.us.immersivelabs.com<br>● *<insert org name>*.api.us.immersivelabs.com |

All customers must enable the following Protocols and Ports:

| Service | Scheme | Protocol | Port(s) |
|---|---|---|---|
| Web Traffic | https | TCP | 443, 8100-8199 |
| Websockets | wss | TCP | 443 |
| VPN | - | UDP | 1193-1194 |

You can quickly find out if you can connect to our server via WebSockets by using our WebSockets Test tool: Immersive Labs - WebSockets Test

# Other requirements

- While an internet connection of any sort will enable the platform to work, a fast internet connection will ensure optimum use of the platform.
- If you are likely to have many concurrent remote desktop connections, you may need to ensure your connection can cope. For example, 50-100 concurrent connections require a 25Mb line at a minimum.  This is most likely to be of interest if you're running an organized event.

- Parts of the platform are optimized for mobile use, however, most of our practical labs are only suitable for use on desktops/laptops with a screen resolution size of 1920 x 1280 pixels and above.