

Xiid Corporation
Customer Deployment Requirements
Xiid SealedTunnel™



© 2025 Xiid Corp.
All Rights Reserved

Estimated Installation Time

30 minutes – core configuration

~2 minutes per Endpoint

Hardware Resources

Xiid SealedTunnel™ creates a process-to-process tunnel between two resources (typically a client wishing to access a resource and the server serving that resource) via the STLink software. For the SealedTunnel to run, the STLink must be installed on communicating resources or, in the case of an unmodifiable IoT or similar device, somewhere nearby that can reach that communicating resource.

SealedTunnel works via mappings which combine a loopback address and a port number. SealedTunnel mappings are configured with the Xiid Commander. You will need to deploy an Xiid Commander, ideally behind your closed firewall. While Xiid recommends deploying the Commander on its own isolated subnet, the Commander can be deployed anywhere.

What you must provide:

- SealedTunnel Client/Server Endpoints
 - *Note: Choosing between the minimum and recommended requirements below depends on projected tunnel usage patterns and other operating system or non-Xiid software requirements. SealedTunnel itself is only constrained by the amount of data flowing through the system. For instance, if you're streaming 4K video via SealedTunnel, you will likely need more CPU and RAM to handle the increased load*
 - Administrator access to the endpoint resource you wish make accessible via the SealedTunnel
 - Administrator access to the client machine(s) that you would like to be able to access the above endpoint resource via the SealedTunnel
 - Minimum System Requirements:
 - 1 CPU Core
 - 128 MB RAM
 - 128 MB Disk Space
 - X86_64 or ARM64 Architecture
 - Recommended System Requirements:
 - 1 CPU Core
 - 256 MB RAM
 - 128 MB Disk Space
 - X86_64 or ARM64 Architecture
- Xiid Commander
 - *Note: Choosing between the minimum and recommended requirements below depends on projected usage. For larger deployments with more users and tunnels, use the recommended requirements. The system requirements below are for the Commander software only and do not include operating system or other installed software requirements.*
 - One machine for the Commander (Windows or Linux)
 - Minimum System Requirements:

- 1 CPU Core
- 512 MB RAM
- 128 MB Disk Space
- X86_64 Architecture
- Recommended System Requirements:
 - 1 CPU Core
 - 1 GB RAM
 - 256 MB Disk Space
 - X86_64 Architecture

Network Resources

The Xiid Connector fleet, which bridges the two outbound-only halves of the SealedTunnel connection together, may be hosted by Xiid or via an on-premises deployment. The STLink and Xiid Commander must be able to access the Xiid Connector fleet via outbound port 443.

What you must provide:

- Outbound network access via port 443 to the Xiid Connector fleet (SaaS or on-premises) granted to the STLink software
- Outbound network access via port 443 to the Xiid Connector fleet for the Xiid Commander
- All client and server machines **must** have the Certificate Authority chain for the certificates tied to the Connector(s)

Software Resources

Xiid will provide the STLink and Commander software installers. The Commander installer requires an Activation Code provided by Xiid for SaaS Connectors or from your Connector Portal for self-hosted Connectors. The STLink installer only requires an Activation Code generated by the Commander.

What Xiid provides:

- The Xiid Commander installer for full installation, configuration, and setup of the Xiid SealedTunnel Platform.
- The STLink installer for all client and server (endpoint) devices
- Customer support for SealedTunnel installation, setup, and configuration as well as for ongoing, post-install operations