



Customer Deployment Requirements

Xiid.ST – Direct Resource Access



Estimated Installation Time

30 minutes: Core
configuration

~2 minutes per Endpoint

Requirements

Operating System and Architecture Requirements

Xiid.ST has a software component called an **STLink**, which must be installed on client and server machines. The STLink is lightweight and built for several operating systems including Windows, macOS and Linux. The Configuration Agent used to configure your SealedTunnels can be installed on Windows or Linux.

What you Need:

STLink Operating Systems

- **Windows**
- **MacOS (support released soon)**
- **Linux**
 - Red Hat Enterprise Linux
 - Ubuntu
- **Solaris**

Configuration Agent Operating Systems

- **Windows**
 - Server 2014
 - Server 2019
 - Server 2022
 - Desktop Editions above Windows Vista
- **Linux**
 - Red Hat Enterprise Linux
 - Ubuntu

Supported Architectures

- **X86-64**
- **AMD64**
- **SPARC (only on Solaris, only for STLink, released soon)**

Hardware Resources

Xiid.ST creates a point-to-point tunnel between two disparate resources. In order for the SealedTunnel to run, it must be installed on both machines – the client attempting to access a resource and the server that the resource is contained on.

Xiid.ST works via mappings which combine a loopback address and a port number. The Xiid.ST mappings are configured with the Xiid Configuration Portal. You will need

to deploy the Xiid Configuration Agent somewhere behind your closed firewall. Xiid recommends deploying the Configuration Agent on its own isolated subnet but the Configuration Agent can be deployed anywhere.

What You Need:

Xiid.ST Client/Server Endpoints:

- **Operating System-level access to the endpoint resource you wish to access**
- **Operating System-level access to the client machine(s) that you would like to have access to the above endpoint resource**
- **Minimum System Requirements:**
 - 1 CPU Core
 - 1 GB RAM
 - Disk Space
 - 200 MB Installation and files
 - 100 MB+ log files

- **Recommended System Requirements:**

This depends on the intent of the tunnels as Xiid.ST's system requirements will only be constrained by the amount of data flowing through the system. For instance, if you're watching 4K videos on Xiid.ST, you will need more CPU cores and RAM to handle the load (probably double the recommended requirements)

- **2 CPU Cores**
- **2 GB RAM**
- **Disk Space**
 - 250 MB Installation and files
 - 500 MB+ log files

Xiid Configuration Portal:

One machine for the Configuration Agent (Windows or Linux)

- **Minimum System Requirements:**
 - 1 CPU Core
 - 1 GB RAM
 - Disk Space
 - 2 GB Installation and files
 - 1+ GB for log files
- **Recommended System Requirements:**
 - 2 CPU Cores
 - 4 GB RAM
 - Disk Space
 - 2 GB Installation and files
 - 2+ GB for log files

Network Resources

The SealedTunnel software must be able to access the Xiid SealedTunnel Collector via outbound port 443. The Xiid SealedTunnel Collector may be hosted by Xiid or hosted on-premises.

What you Need:

Outbound network access via port 443 to the Xiid SealedTunnel Collector (SaaS or on-premises) for the STLink software (client/server endpoint software)

Outbound network access via port 443 to the Xiid SealedTunnel Collector for the Xiid Configuration Agent

All Client/Server (Entrypoint/Exitpoint) machines must have the Certificate Authority chain for the Certificates tied to the SealedTunnel Collector

Xiid recommends deploying the Configuration Agent on an isolated server on a Sealed Network (no inbound access)

What Xiid Provides

Software Resources

Xiid will provide the STLink Installer and the Xiid Configuration Agent Installer. The STLink Installer is used to install the SealedTunnel Link on the client/server endpoint devices. The STLink installer is very simple and only requires an Activation Code from the Configuration Agent to initialize and come fully online. The Configuration Agent Installer requires an Agent Code as well (gathered from the Management Portal). After setting up the Configuration Agent, you will need to provide a SealedTunnel Code to the Configuration Agent to integrate your STLinks to your Configuration Agent.

What Xiid Provides:

- **The Xiid Configuration Agent Installer for full installation, configuration, and setup of the Xiid SealedTunnel Platform.**
- **STLink Installer for all client/server endpoint devices**
- **Support for Xiid.ST Installation, setup, and configuration as well as customer support after installation**