

Trimble Unity Telog Historian API

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Secured integrations of Telog data with 3rd party systems

Application Programming Interfaces (APIs) are interfaces or communication protocols used to automate the integration and data transfer between software programs. APIs are intended to simplify the implementation and maintenance of software integrations.

The Trimble Unity Telog Historian API is a secured RESTful web services API providing read-only access to the Telog telemetry data, recorded and stored either on premise in the Telog Enterprise historian database, or in the cloud in the Trimble Unity Remote Monitoring historian. The API is used to facilitate and streamline the integration of Telog data with 3rd party systems.

Access to use the Trimble Unity Telog Historian API requires the purchase of the API subscription.



What is Rest or RESTful?

REST or representational state transfer is a modern architectural style for creating web services, with the goal of fast performance, reliability and ability to scale.

RESTful web services allow a requesting software or system to access textual representations of web resources by using a predefined set of stateless operations. Results are returned in lightweight JSON or XML format.

What data do I have access to via the API?

The API provides read-only access to:

- Remote Monitoring Sites
- Remote Monitoring Site Groups
- Site Measurements
- High Resolution Pressure Impulse Data (if applicable)

Is the API Secure?

When using the API within the Trimble Unity Remote Monitoring software on the cloud, data transfers are encrypted using TLS1.2 with AWS managed A-rated certificates. These certificates rotate automatically and the platform is configured to use safe encryption ciphers recommended by AWS according to best practice.

When using the API on-premise with Telog Enterprise Server, the customer IT team will need to ensure that the web server environment is secure, and that appropriate SSL certificate is installed to facilitate encryption of data in transit. When used with Trimble Unity Remote Monitoring software, secured services or HTTPS is required, due to security requirements of modern web browsers.

HOW DO I USE THE API?

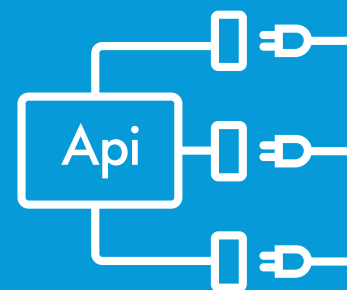
An API is an interface and as such something must connect to it for it to be used. An API on its own is not able to connect to another API. The general term for software which connects system APIs is middleware or a connector.

Integration will require software development experience, ideally including integration with REST interfaces.

The Trimble Unity Telog Historian API is well documented, with descriptions of the various endpoints and parameters available in the API.

To view the available API calls, go to the following URL <https://api.telogdhs.net/>, then click on the Help menu option at the top of the screen. The help documentation provides details on how to call the various end points contained in the API. We recommend that you use Postman to directly interact with API, and become familiar with how to structure API calls.

Additional help with Postman can be found [here](#).



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