



syn1588[®]

syn1588[®] Software Suite

Upcoming Changes

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0.1 Legals

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1 Intend

This document gives an overview of upcoming changes that may require modifications for certain interactions or interfaces with the syn1588® Software Suite. These typically involve larger feature or infrastructure changes (for example the implementation of the standard logger used by the syn1588® Software Suite PTP Stack and utilities). Smaller changes (e.g., bug fixes) are documented in the release notes.

The changes listed in this document include a description, some examples, and a rough roadmap of how and when changes will replace the current features or infrastructure components and some guidelines for migrating your application. This will by far not cover every application of the syn1588® Software Suite, especially for our source code customers. If the proposed migration will not work for your case and you have an upright maintenance agreement with Oregano Systems, please get in touch with our support team (support@oregano.at), so that we can consider your feedback in our planned implementation of the proposed changes or provide an alternate solution.

2 Upcoming Changes

2.1 Syn1588 C API

v1.16 will add a starting point for a C-based syn1588 API.

This C API will require the syn1588® PCIe Linux driver v2.x and new Windows driver (based on the current NDIS 6.3 BETA driver) for operation.

2.1.1 Intentions

With the C-API we will provide an ABI-stable interface to the syn1588® hardware and can therefore be used as base for other programming languages (e.g., Python).

In future releases

- this will be delivered as pre-compiled library for easier integration into user applications.
- this will be expanded so that it may replace the current C++ based API.
- For the next releases we will still support the C++ based syn1588 API and inform you in this document when we plan to deprecate the C++ syn1588 API.

3 Further Information

You are looking for further information about our syn1588® product line-up? Please contact Oregano Systems support! We will be pleased to provide you all the required information.



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