



syn1588<sup>®</sup>

syn1588<sup>®</sup> Linux Live System

# Release Schedule

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**Oregano Systems – Design & Consulting GesmbH**

Franzosengraben 8, A-1030 Vienna

P: +43 (676) 84 31 04-300

F: +43 (1) 2533033-6162

@: [contact@oregano.at](mailto:contact@oregano.at)

W: <http://oregano.at>

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## 1 Release Schedule

New releases of the Oregano Systems syn1588® Software Suite and Linux Live CD are scheduled to be published quarterly, by the end of each quarter.

Q1 – March/April

Q2 – June/July

Q3 – September/October

Q4 - December

Oregano Systems reserves the right to change this release schedule for any reason, cancel scheduled releases, or add additional releases as we see fit.

The below plan is not set in stone and we may be able to accommodate your specific requirements. If you are interested in specific features listed below, require some of the features sooner, or have a request for an unlisted feature, contact Oregano Systems (contact@oregano.at or sales@oregano.at).

## 2 Planned Features 2020

### 2.1 Q4/2020 Release

#### 2.1.1 PTP v2.1 support

#### 2.1.2 syn1588® Dual NIC: general support

#### 2.1.3 syn1588® PCIe NIC: new features

- ➔ Support for jumbo frames
- ➔ Support for a second, configurable packet timestamping unit, including 1-step PTP operation
- ➔ Upgrade the windows driver to NDIS 6.3.

#### 2.1.4 syn1588 API 2.0

This rework will provide improved access to the feature set of the syn1588® hardware.

Note that this will replace the current syn1588 API over the next release cycles, we will provide extensive documentation to make the switch as seamless as possible. You will receive the new API over the next release cycles together with the old API. The current syn1588® hardware features will still be available via the old syn1588 API during this switchover. New features will only be available via the syn1588 API 2.0.

## **3 Mid term plans for 2021**

### **3.1 PTP Security: Key Exchange**

### **3.2 syn1588® Dual NIC: extended syn1588 API support**

### **3.3 Shared memory API 2.0**

This rework will provide improved access to the feature set of the syn1588® software.

Note that this will replace the current shared memory API over the next release cycles, we will provide extensive documentation to make the switch as seamless as possible. You will receive the new API over the next release cycles together with the old API. The current syn1588® software features will still be available via the old shared memory API during this switchover. New features will only be available via the shared memory API 2.0.

## 4 Long term plans

The following features are currently on our list but will be implemented on a case-by-case base. I.e., currently these features are not scheduled for a specific release. If the demand for a feature is raised, we can evaluate the roadmap.

### 4.1 PTP Unified Monitoring Model based on YANG

### 4.2 Extension of the redSync utility

- ➔ Using more than two PTP Masters as time source
- ➔ Utilizing the syn1588® Dual NIC

### 4.3 Support for optional PTP v2.1 features

#### 4.3.1 Alternate timescale offsets

#### 4.3.2 Path trace

#### 4.3.3 Holdover upgrade

#### 4.3.4 Common mean link delay service

#### 4.3.5 Configurable correction of timestamps

#### 4.3.6 Calculation of delay asymmetry

#### 4.3.7 Mixed Multicast/Unicast Operation

#### 4.3.8 Grandmaster Cluster

#### 4.3.9 Alternate Master

#### 4.3.10 Unicast Discovery

#### 4.3.11 Layer-1 based synchronization performance enhancement

## 5 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.



Franzosengraben 8

A-1030 Vienna

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<https://oreganosystems.at>

[contact@oregano.at](mailto:contact@oregano.at)