

Qosium Scopemon

Qosium Scopemon is the key to continuous and automated monitoring of critical applications and services. This sibling of Qosium Scope is designed for automatic monitoring instead of targeted measurements.

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qosium
scopemon

1. Smart Monitoring

Qosium Scopemon is a measurement controller targeted for automated QoS monitoring. Like always with Qosium, the service/application to be monitored can be everything without limits on network technologies throughout the measurement path. Qosium Scopemon implements all measurement features of [Qosium Probe](#) relevant for monitoring.

Scopemon currently offers three different ways of monitoring:

- Constant:
 - Monitoring is continuously ongoing when Qosium Scopemon is running.
 - Useful when a network path, device, etc., is to be monitored all the time
- Scheduled:
 - Monitoring is activated based on a predetermined schedule, e.g., a certain time of the day.
 - Useful, e.g., when there are critical periods that only need to be monitored
- Flow-based:
 - Optimized monitoring: triggered when the traffic specified as interesting is flowing in the network
 - Useful for session-based sporadic applications/services (e.g., VoIP calls)

The commissioning of Scopemon is straightforward. After installation, the parameterization includes configuring interesting traffic types (applications/services) and measurement paths. Once Scopemon is started, its operation is fully autonomous. It is common to set Qosium Scopemon to start during the boot process of the host machine. This ensures that the monitoring of critical services/applications takes place whenever the network device is powered on.

There are two versions of Qosium Scopemon: with and without [GUI](#). When found beneficial, like, e.g., within remote operations control view, *GUI* brings a simple overview of the current monitoring status. When not relevant, and, e.g., with limited systems, Scopemon runs in the background. Also, the version with GUI can be parameterized to operate in the background without visible components.

Qosium Scopemon makes it simple for you to monitor multi-user large-scale networks. The results can be stored in a persistent database from which a real-time situation awareness dashboard of the network can be created.

Qosium takes monitoring accuracy to the next level, which is required, especially for *critical communications systems*, where a decrease of quality can seize production, delay deliveries, or even cause damage and injuries.

2. Startup

Qosium Scopemon can be run in various environments. Scopemon is started simply by running the executable `qosiumScopemon`. When dealing with the version with [GUI](#), and when enabled, starting up Scopemon will also launch the GUI, where the measurement can be monitored locally. If *GUI* is not in use, Scopemon will just run and perform its tasks in the background. Scopemon is configured by editing [the configuration file](#). Using multiple configuration files, you can launch multiple Scopemons in a single machine to, e.g., measure different streams.

3. Glossary

Graphical User Interface

User interface which features graphical elements, such as windows, buttons, dialogs, images, and controls.