

Detailed monitoring of IP telephony, video streams and citrix with op5 and Netrounds

As an op5 customer, you can now easily utilize Absilion's test and monitoring system Netrounds together with op5 Monitor. Netrounds complements op5 and measures how the end user services are affected by your network infrastructure end-to-end. Examples of critical network services that can be monitored are IP telephony, videoconferencing, Citrix and IPTV.

The solution is based on active probes that send real traffic that mimics the end users. Placing Netrounds probes in different parts of your network will give you an overall picture of how your network is performing. In that way you can take another important step towards ensuring top quality of your IT services and the underlying infrastructure, as well as decreasing troubleshooting times when problems occur.

Introducing Netrounds in your network environment gives you the following advantages:

- Insight and history of how your IT infrastructure affects business-critical services.
- Proactive approach by anticipating quality problems before your end-users are affected.
- Efficient troubleshooting and performance testing up to 1 Gbit/s.

Using these easy steps, you can start monitoring of active flows in your network:

1. Subscribe to Netrounds and place the pre-installed active probes in your network.
2. Start "Non-stop network monitoring" or "IPTV Monitoring" in Netrounds.
3. Click "Export configuration to op5". All probes are then automatically created as "hosts" and the monitoring jobs as "Services" in op5.

4. Enter "next hop" in op5 for your newly created "hosts" to link the probes logically in your infrastructure.

op5 Monitor can now effectively pinpoint where in the IT environment any quality problems might occur. If you would like to know more about the benefit and procedure of adding Netrounds to your op5 network monitoring, please contact Absilion. See contact details below.

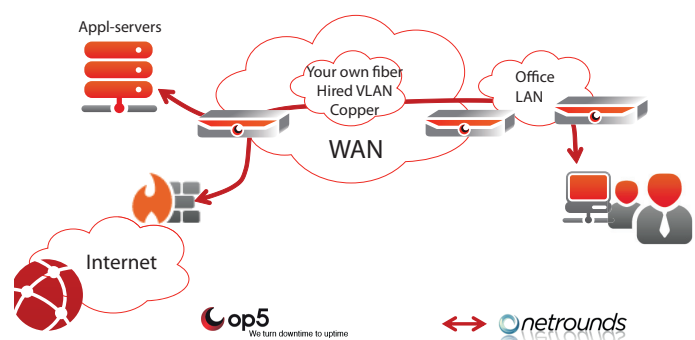








Figure 1. op5 monitors your critical network elements and other key infrastructure (see op5 symbols in the picture). Netrounds uses active network flows to measure the characteristics of your network and how business-critical services are affected (illustrated with red arrows in the figure).

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The complete feature set of Netrounds

 Monitoring	 Performance	 Security	 Functionality
<ul style="list-style-type: none"> • Support for IPTV MPEG transport streams • Custom UDP multicast and unicast monitoring <ul style="list-style-type: none"> – IP telephony – Video conferencing – Citrix • Multiple QoS flows • Configurable thresholds • Alarms via NSCA, SMNP or e-mail 	<ul style="list-style-type: none"> • Traffic generation between active probes, up to 1 Gbit/s • Multiple QoS flows • UDP and TCP • IGMP join/leave times • Multicast and unicast • Throughput, loss, delay, jitter • TCP performance from web browsers 	<ul style="list-style-type: none"> • DHCP lock-down • ARP poisoning • MAC and IP address spoofing • IPv6 router advertisement 	<ul style="list-style-type: none"> • Multicast traffic leakage • QoS field mapping and remapping • Protocol header transparency • IGMP signalling

 Fully integrated with op5 Monitor
  Functions for network performance tests and troubleshooting



Absilion has developed Netrounds, the world's first professional test and monitoring system for broadband networks offered as a hybrid cloud service. Netrounds combines the active measurement points in the customer's network with a service on the web. Netrounds is a subscription based service and requires no installation in the IT environment. Absilion is a market leader for independent quality assurance of broadband networks. As the first company in Sweden, Absilion is partner to the Swedish Urban Network Association for certification of secure networks. For more information see www.absilion.com



The op5 business concept is to offer the market the most cost-effective solutions for IT support organizations. op5 is a market leading developer of Open Source Management solutions develops and delivers open source based software for monitoring and administration of IT systems and networks. The solutions are built on open source code that op5 extends and markets and supports as complete systems. The main product is op5 Monitor. For more information see www.op5.com