



YumaWorks delivers network management and control automation

Red Hat Software Partner

YumaPro SDK Basic



YumaPro SDK Basic is a free NETCONF/YANG development kit that provides model-driven solutions for advanced SDN (Software Defined Networking) management plane capabilities, with automatic code generation. A subset of YumaPro SDK's features and tools comprise YumaPro SDK Basic:

- ▶ Full NETCONF/YANG SDK
- ▶ netconfd-pro NETCONF server
- ▶ yangdump-sdk: YANG compiler for automatic code generation
- ▶ yangcli-pro: NETCONF/RESTCONF client
- ▶ yangdiff-pro: automated YANG comparison tool

"Companies looking to build new applications in, and for the cloud, or migrate existing applications to a cloud-based infrastructure, partner with Red Hat to develop and deliver more supportable solutions sooner."

Mike Werner,

Senior Director, Global Technology Partners, Red Hat

Executive Summary

YumaPro SDK Basic lets your developers immediately start work on programmatic management solutions for your company's networking elements with zero up-front cost. This allows your company to shorten its time-to-market and satisfy customer demands for modern advanced networking features which can only be provided by service defined automation. Red Hat's certification of YumaPro SDK Basic ensures your developers have a fully supported development environment backed by Red Hat and YumaWorks, providing both stability and robustness.

Product Profile

YumaPro SDK Basic can help your organization shed the legacy networking technology of CLI and SNMP and move efficiently to the rich and robust programmatic management model of YANG over NETCONF and robust programmatic management model of YANG over NETCONF and Call Home. YumaPro offers our customers cost of ownership advantages by letting YumaWorks keep abreast of new developments and standards in the NETCONF and YANG arena and upgrading YumaPro on a regular basis with these new features.



Technology Partner

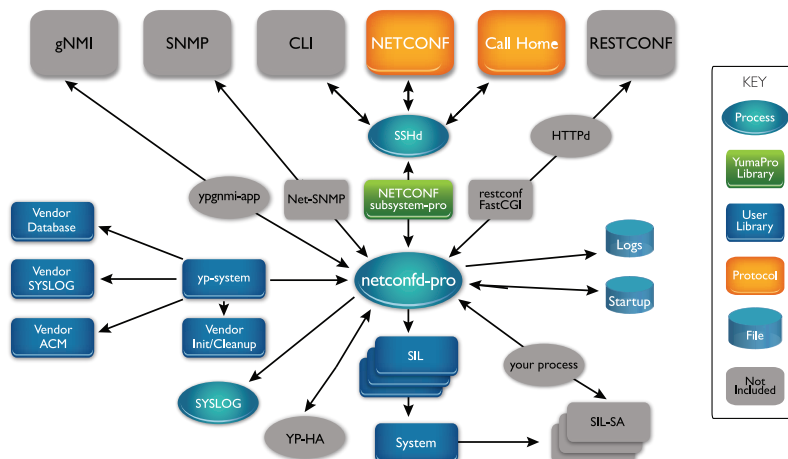


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“Our customers rely on robust, scalable and high-performance network management solutions for their networking elements provided by YumaPro SDK and YumaPro SDK Basic. YumaWorks’ partnership with Red Hat provides a natural synergy that enhances our customer’s ability to build programmatic network services using Red Hat’s secure and adaptable versions of Linux.”

John Hopprich
VP Engineering, Yumaworks

YumaPro SDK Basic is free to use; developers can start right away working with our robust toolkit to provide programmatic management capabilities to their networking devices via the included NETCONF and Call Home protocols defined in YANG. If you would prefer to have access to more northbound protocol interfaces like RESTCONF, CLI, SNMP and gNMI, it is easy to upgrade to the full YumaPro SDK without rewriting any code.

Product Benefits

With YumaPro SDK Basic on Red Hat Enterprise Linux®, Red Hat users will get:

- ▶ A fully supported NETCONF and YANG development environment backed by YumaWorks and Red Hat
- ▶ A modular architecture designed for easy integration with your system and your legacy management solutions
- ▶ The highest performance NETCONF server available
- ▶ Built-in support for standard security protocols, access control and syslog services
- ▶ Standards compliant tools with optimizations and extended features.

Use cases

YumaPro SDK Basic on Red Hat Enterprise Linux provides all the tools developers need to bring YANG defined programmatic management capabilities to any networking device, including:

- ▶ virtual/cloud-based software defined elements
- ▶ core and edge SDN routers
- ▶ SOHO routers
- ▶ IoT gateways

Learn more

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About Yumaworks

YumaWorks is a fast-growing SDN startup developing network management and control plane automation tools, used by the world’s leading networking companies. Founded in 2012, YumaWorks boasts more than 60 years of collective experience in the network management arena with large networking equipment vendors and service providers. Andy Bierman, the founder of YumaWorks, has been an integral part of the IETF’s development of NETCONF & YANG and has co-authored many of the RFCs as well as in other network management areas. YumaWorks continues to drive innovation in the NETCONF & YANG standards. Our goal is to make network automation a reality.



About Red Hat

Red Hat is the world’s leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



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