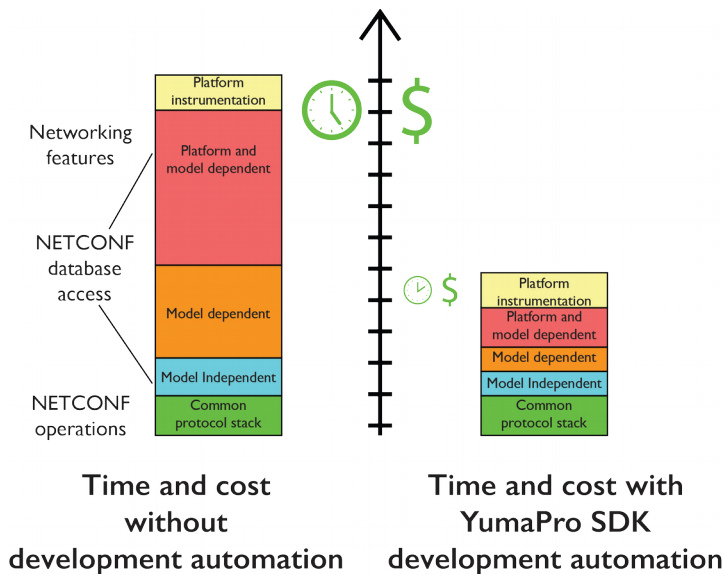


High Performance Network Management Server and Development Tools

Reduce Your Time to Market and Development Costs



YumaPro SDK develops YANG based network management servers for your devices, automating your development process will:

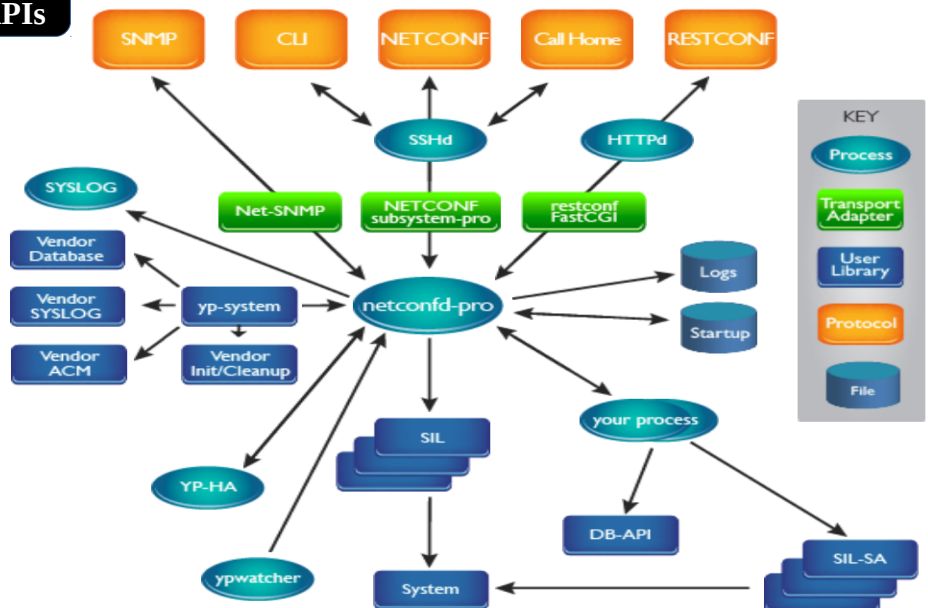
- **reduce your development time**
- **lower your development costs**
- **optimize your engineering resources**
- **provide consistent APIs across all your devices**

YumaPro SDK creates a robust framework that includes all the protocol and encoding infrastructure, with tools developed by our experts, so your engineers can focus on their area of expertise – your device instrumentation.

Multi-protocol, Distributed Architecture, Modular & Flexible APIs

YumaPro SDK is designed to adapt to your architecture:

- **modular multi-protocol design allows you to select only the protocols you need to meet the requirements of your customers**
- **distributed architecture to optimize the processing power of your device**
- **supports standard security, access control, and syslog services**
- **fully standards compliant with enhanced features and optimizations**
- **integrates with your legacy management solutions**



Feature Comparison

YumaPro SDK is a full feature development kit with support:

Feature	YumaPro SDK	ConfD Basic	Open Yuma	lib-netconf
Technical Support Available	✓	✓	✗	✗
YANG The standard network management modeling language	✓	✓	✓	✓
NETCONF The transaction oriented protocol to transport YANG data	✓	✓	✓	✓
RESTCONF IETF standard protocol to transport YANG data in HTTPS. YumaPro SDK implementation includes extensions for transactions	✓	✗	✗	✗
SNMP IETF standard Simple Network Management Protocol supporting GET, GETNEXT, GETBULK and Notifications, with master and sub-agent functionality	✓	✗	✗	✗
Call Home IETF standard Call Home provides secure remote configuration through firewalls	✓	✗	✗	✗
NETCONF Access Control Model (NACM) The IETF standard to control user access to YANG data	✓	✓	✓	✓
Crypt hash Used to store passwords securely	✓	✓	✗	✗
NETCONF notifications Standard notification of events	✓	✓	✓	✓
Syslog Output of log messages to standard or vendor syslog	✓	✓	✗	✗
High Availability Automated server crash recovery restart using a 1:N Active/Standby model	✓	✓	✗	✗
Distributed Asynchronous Instrumentation Enables distributed instrumentation, e.g. line cards	✓	✓	✗	✗
XPath (XML Path Language) Advanced retrieval filtering	✓	✓	✓	✓
Embedded Server CLI Embedded version of yangcli-pro	✓	✗	✗	✗
Advanced System Integration Easy customization and integration with legacy CLI database	✓	✓	✗	✗

For transaction performance comparisons visit:

<https://yumaworks.freshdesk.com/solution/articles/1000227051-yumapro-performance-advantages>

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