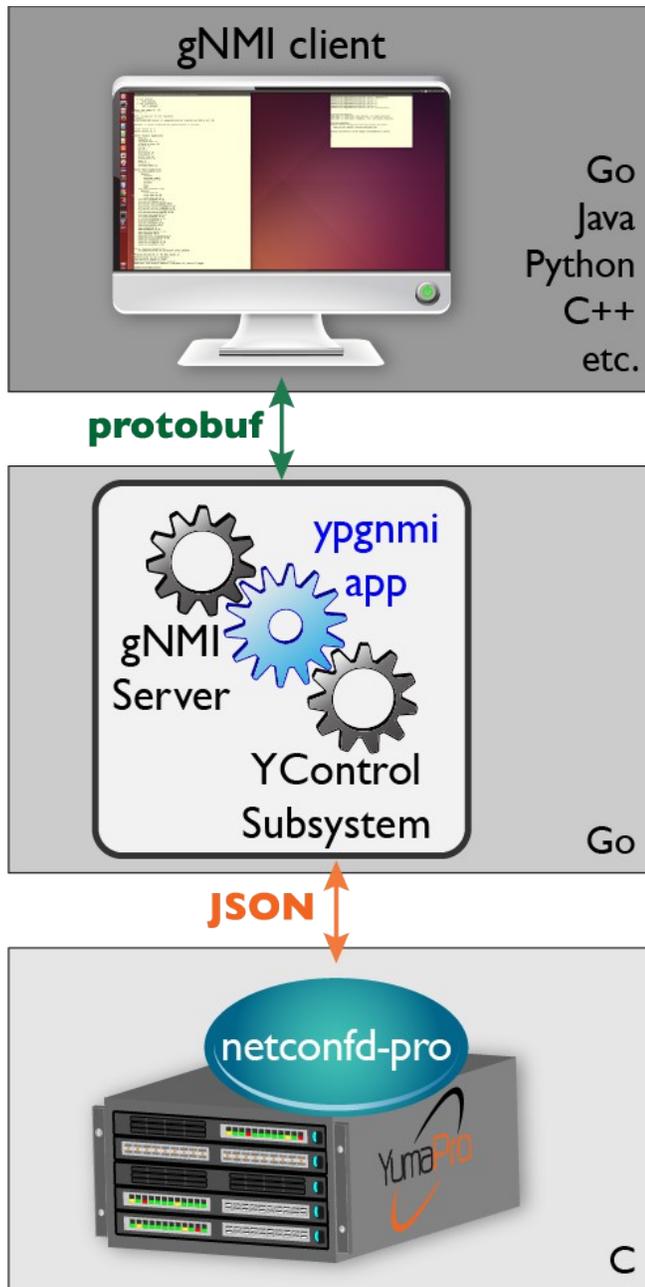


Google RPC Network Management Interface (gNMI)



yp-gnmi is now available for YumaWorks' **netconfd-pro** multi-protocol server:

- provides gNMI clients access to netconfd-pro's YANG datastores along with NETCONF, RESTCONF, Call Home, etc.
- fully integrated into YumaPro SDK's unified development environment – write code once that applies to all northbound interfaces
- gRPC's protobuf functionality provides efficient high speed transfer for large data sets such as streaming operational data
- support for all gNMI RPC operations
- expedites time to market for your devices providing a YANG based management server with integrated gNMI, NETCONF, and RESTCONF support

gRPC Network Management Interface (gNMI) is a protocol to manage and report a network element's configuration and operational data. gNMI is built on top of Google's widely deployed gRPC protocol. gRPC provides protocol buffers (protobuffs), a language-neutral mechanism to transport structured data efficiently over networks making it an ideal method for streaming operational data from network elements.

yp-gnmi provides the gNMI protocol for netconfd-pro

gRPC actions provided by yp-gnmi:

| | |
|---------------------|---|
| Capabilities | gNMI clients may request the capabilities supported by netconfd-pro: which protocols and encodings are available, which YANG models the server has loaded, etc. |
| Get | retrieves a specified view of configuration or operational data from netconfd-pro's YANG datastores |
| Set | modifies data in netconfd-pro's YANG configuration datastores using YANG Patch. A Set request is treated as a transaction |
| Subscribe | gNMI client's request to setup subscriptions to netconfd-pro's YANG data sets. Subscriptions have a fixed view during the lifetime of the subscription |

Availability:

| | |
|----------------------------|---|
| Binary license | yp-gnmi as a binary application on one of YumaPro SDK's supported platforms see: https://www.yumaworks.com/features/licensing/licensing-details/ |
| Source code license | all the source code and associated files to build yp-gnmi from scratch |

For more information please refer to the YumaPro gNMI Manual:

<https://www.yumaworks.com/pub/docs/18.10/pdf/yumapro-ypgnmi-manual.pdf>.