New and Changed Feature Information

This section lists all the new and changed features for the *Telemetry Configuration Guide for Cisco NCS 6000 Series Routers*.

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New and Changed Telemetry Features

Feature	Description	Changed in Release	Where Documented
Support for in-band model-driven telemetry (MDT) data over gRPC	NCS6000 series routers support streaming telemetry on management interfaces. From Cisco IOS XR, release 7.2.1 and later, MDT can be streamed out-of-band using physical interfaces of the line cards on the router.	Release 7.2.1	Monitor Network Parameters Using Telemetry Data for Proactive Analysis
gNMI `TARGET_DEFINED` subscription mode	Support for gNMI `TARGET_DEFINED` subscription mode.	Release 7.2.1	gRPC Network Management Interface
Support for streaming telemetry data at leaf-level	The router supports the following sensor-path resolutions: • For cadence-driven subscriptions, streaming data occurs at the leaf-level or at the container-level under a gather point • For event-driven subscriptions, streaming data is always at the gather point in the model, even if specific leaves or leaf is configured as sensor-path	Release 7.2.1	Sensor Path

Feature	Description	Changed in Release	Where Documented
JSON encoding support for gNMI `Subscribe` RPC	Cisco IOS XR routers support gNMI remote procedure calls (RPCs). The gNMI `Subscribe` RPC supports JSON encoding in addition to the previously supported PROTO encoding format.	Release 7.2.1	For gNMI-related information, see the *Programmability Configuration Guide*
Telemetry - Domain Name (DNS) support	In addition to IP address (IPv4 and IPv6), the destination for dial-out configuration supports fully qualified domain name (FQDN) using domain name services (DNS).	Release 7.2.1	Monitor CPU Utilization Using Telemetry Data to Plan Network Infrastructure