

Yang Data Models

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Support for YANG Data Models (Call-home)

The YANG models supported for the call-home feature are similar to the earlier releases of Cisco-IOS-XE, and the same is supported on the release of IOS-XE on IR1800. The following references are available for earlier YANG models:

https://github.com/YangModels/yang/tree/master/vendor/cisco/xe For additional information about call-home for IOS-XE, see the following:

Software Activation Configuration Guide, Cisco IOS XE Release 3S

Yang Data Model Support for Raw Socket Transport

Release 17.2.1 adds support for additional Yang Data Models. These additional models include Raw Socket Transport.

Yang Data Models can be found here:

https://github.com/YangModels/yang/tree/master/vendor/cisco/xe/1721

There are two feature modules available for raw socket that belong to the main Cisco-IOS-XE-native model. They are:

- Cisco-IOS-XE-rawsocket.yang
- Cisco-IOS-XE-rawsocket-oper.yang

The Cisco-IOS-XE-rawsocket-oper.yang module contains a collection of YANG definitions for Raw Socket Transport Configuration commands.

The module has the following corresponding CLI commands:

```
# encapsulation raw-tcp
# encapsulation raw-udp
```

```
# raw-socket packet-length <length>
# raw-socket packet-timer <timer>
# raw-socket special-char <value>
# raw-socket tcp server <port> <ip>
# raw-socket tcp idle-timeout <value>
# raw-socket tcp client <dest-ip> <dest-port>
# raw-socket tcp idle-timeout <timeout>
# raw-socket tcp tcp-session <value>
# raw-socket tcp dscp <value>
# raw-socket udp connection <dest-ip> <dest-port> <local_port>
```

The Cisco-IOS-XE-rawsocket-oper.yang module contains a collection of YANG definitions for Raw Socket Transport operational data.

The module has the following corresponding CLI commands:

```
# show raw udp statistics
# show raw tcp statistics
# show raw tcp session
# show raw udp session
# show raw tcp session local
# show raw udp session local
```

The following is a list of the Dependent Modules:

- Cisco-IOS-XE-native
- Cisco-IOS-XE-features
- ietf-inet-types
- Cisco-IOS-XE-interfaces
- Cisco-IOS-XE-ip
- Cisco-IOS-XE-vlan
- ietf-yang-types @ (any revision)
- cisco-semver

Yang Data Model Support for Scada

The Cisco IOS XE 17.1.1 release introduces support for the Cisco IOS XE YANG model for the Scada System. Previous releases already provided Yang models in other areas.

https://github.com/YangModels/yang/tree/master/vendor/cisco/xe/17111 .