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pyang ietf-system@2013-11-07.yang ietf-interfaces@2013-07-04.yang
ietf-ip@2013-10-18.yang opencpe@2013-12-19.yang opencpe-system@2014-01-09.yang
opencpe-firmware-mgmt@2014-01-09.yang
opencpe-firmware-download-ftp@2014-01-09.yang --features
ietf-system:authentication,local-users,timezone-location,crypt-hash-md5,crypt-hash
-sha-256,crypt-hash-sha-512,ntp --features
opencpe-firmware-mgmt:firmware-slots --deviation-module
opencpe-deviations@2013-12-19.yang -f tree

```

```

module: ietf-system
+--rw system
| +--rw contact? string
| +--rw hostname? inet:domain-name
| +--rw location? string
| +--rw clock
| | +--rw (timezone)?
| | | +--:(timezone-location) {timezone-location}?
| | | | +--rw timezone-location? ianatz:iana-timezone
| | | +--:(timezone-utc-offset)
| | | +--rw timezone-utc-offset? intl6
| +--rw ntp! {ntp}?
| | +--rw enabled? boolean
| | +--rw server* [name]
| | | +--rw name string
| | | +--rw (transport)
| | | | +--:(udp)
| | | | +--rw udp
| | | | +--rw address inet:host
| +--rw dns-resolver
| | +--rw search* inet:domain-name
| | +--rw server* [name]
| | | +--rw name string
| | | +--rw (transport)
| | | | +--:(udp-and-tcp)
| | | | +--rw udp-and-tcp
| | | | +--rw address inet:ip-address
| +--rw options
| | +--rw timeout? uint8
| | +--rw attempts? uint8
| +--rw authentication {authentication}?
| | +--rw user-authentication-order* identityref
| | +--rw user* [name] {local-users}?
| | | +--rw name string
| | | +--rw password? crypt-hash
| | | +--rw ssh-key* [name]
| | | | +--rw name string
| | | | +--rw algorithm string
| | | | +--rw key-data binary
+--ro system-state
+--ro platform
| +--ro os-name? string
| +--ro os-release? string
| +--ro os-version? string
| +--ro machine? string
| +--ro ocpe:serial-number? string
| +--ro ocpe-fw-mgmt:firmware-version? string
+--ro clock
| +--ro current-datetime? yang:date-and-time

```

```

| +--ro boot-datetime?      yang:date-and-time
+--ro ocpe-fw-mgmt:firmware-slots* {firmware-slots}?
| +--ro ocpe-fw-mgmt:name?   string
| +--ro ocpe-fw-mgmt:version? string
| +--ro ocpe-fw-mgmt:status
| | +--ro ocpe-fw-mgmt:status? enumeration
| | +--ro ocpe-fw-mgmt:percent? int32
| +--ro ocpe-fw-mgmt:active? boolean
| +--ro ocpe-fw-mgmt:path?   string
rpcs:
+---x set-current-datetime
| +--ro input
| +--ro current-datetime    yang:date-and-time
+---x system-restart
+---x system-shutdown
module: ietf-interfaces
+--rw interfaces
| +--rw interface* [name]
| | +--rw name                string
| | +--rw description?        string
| | +--rw type                identityref
| | +--rw enabled?            boolean
| | +--rw link-up-down-trap-enable? enumeration {if-mib}?
| | +--rw ip:ipv4!
| | | +--rw ip:enabled?        boolean
| | | +--rw ip:forwarding?     boolean
| | | +--rw ip:mtu?            uint16
| | | +--rw ip:address* [ip]
| | | | +--rw ip:ip            inet:ipv4-address-no-zone
| | | | +--rw (subnet)
| | | | | +--:(prefix-length)
| | | | | | +--rw ip:prefix-length? uint8
| | | | | +--:(netmask)
| | | | | +--rw ip:netmask?      yang:dotted-quad
| | | {ipv4-non-contiguous-netmasks}?
| | | | +--rw ip:neighbor* [ip]
| | | | | +--rw ip:ip          inet:ipv4-address-no-zone
| | | | | +--rw ip:link-layer-address yang:phys-address
| | | +--rw ip:ipv6!
| | | | +--rw ip:enabled?        boolean
| | | | +--rw ip:forwarding?     boolean
| | | | +--rw ip:mtu?            uint32
| | | | +--rw ip:address* [ip]
| | | | | +--rw ip:ip          inet:ipv6-address-no-zone
| | | | | +--rw ip:prefix-length uint8
| | | | +--rw ip:neighbor* [ip]
| | | | | +--rw ip:ip          inet:ipv6-address-no-zone
| | | | | +--rw ip:link-layer-address yang:phys-address
| | | | +--rw ip:dup-addr-detect-transmits? uint32
| | | | +--rw ip:autoconf
| | | | | +--rw ip:create-global-addresses? boolean
| | | | | +--rw ip:create-temporary-addresses? boolean
| | | {ipv6-privacy-autoconf}?
| | | | +--rw ip:temporary-valid-lifetime? uint32
| | | {ipv6-privacy-autoconf}?
| | | | +--rw ip:temporary-preferred-lifetime? uint32
| | | {ipv6-privacy-autoconf}?
+--ro interfaces-state

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+--ro interface* [name]
+--ro name                string
+--ro type                identityref
+--ro admin-status        enumeration {if-mib}?
+--ro oper-status         enumeration
+--ro last-change?        yang:date-and-time
+--ro if-index            int32 {if-mib}?
+--ro phys-address?       yang:phys-address
+--ro higher-layer-if*    interface-state-ref
+--ro lower-layer-if*     interface-state-ref
+--ro speed?              yang:gauge64
+--ro statistics
| +--ro discontinuity-time yang:date-and-time
| +--ro in-octets?         yang:counter64
| +--ro in-unicast-pkts?   yang:counter64
| +--ro in-broadcast-pkts? yang:counter64
| +--ro in-multicast-pkts? yang:counter64
| +--ro in-discards?       yang:counter32
| +--ro in-errors?         yang:counter32
| +--ro in-unknown-protos? yang:counter32
| +--ro out-octets?        yang:counter64
| +--ro out-unicast-pkts?  yang:counter64
| +--ro out-broadcast-pkts? yang:counter64
| +--ro out-multicast-pkts? yang:counter64
| +--ro out-discards?      yang:counter32
| +--ro out-errors?        yang:counter32
+--ro ip:ipv4!
| +--ro ip:forwarding?     boolean
| +--ro ip:mtu?            uint16
| +--ro ip:address* [ip]
| | +--ro ip:ip            inet:ipv4-address-no-zone
| | +--ro (subnet)?
| | | +--:(prefix-length)
| | | | +--ro ip:prefix-length? uint8
| | | +--:(netmask)
| | | | +--ro ip:netmask?      yang:dotted-quad
{ipv4-non-contiguous-netmasks}?
| | +--ro ip:origin?        ip-address-origin
+--ro ip:neighbor* [ip]
| +--ro ip:ip              inet:ipv4-address-no-zone
| +--ro ip:link-layer-address? yang:phys-address
| +--ro ip:origin?         neighbor-origin
+--ro ip:ipv6!
+--ro ip:forwarding?       boolean
+--ro ip:mtu?              uint32
+--ro ip:address* [ip]
| +--ro ip:ip              inet:ipv6-address-no-zone
| +--ro ip:prefix-length    uint8
| +--ro ip:origin?          ip-address-origin
| +--ro ip:status?          enumeration
+--ro ip:neighbor* [ip]
| +--ro ip:ip              inet:ipv6-address-no-zone
| +--ro ip:link-layer-address? yang:phys-address
| +--ro ip:origin?          neighbor-origin
| +--ro ip:is-router?       empty
module: opencpe-firmware-mgmt
rpcs:
+---x system-reset

```

```

+---x firmware-download
| +--ro input
| | +--ro (transport)?
| | | +--:(ftp)
| | | | +--ro ftp!
| | | | +--ro address      inet:uri
| | | +--:(http)
| | | | +--ro http!
| | | | +--ro address?    inet:uri
| | | +--:(scp)
| | | | +--ro scp!
| | | | +--ro address?    inet:uri
| | | +--:(https)
| | | | +--ro https!
| | | | +--ro address?    inet:uri
| | +--ro (credentials)?
| | | +--:(user-pass)
| | | | +--ro user-pass!
| | | | | +--ro username?  string
| | | | | +--ro password?  string
| | | +--:(certificate)
| | | | +--ro certificate!
| | | | +--ro path?      string
| | | +--:(ssh-key)
| | | | +--ro ssh-key!
| | | | +--ro path?      string
| | +--ro download-target?  string {firmware-slots}?
| +--ro output
| | +--ro job-id      int32
+---x firmware-commit
| +--ro input
| | +--ro job-id      int32
+---x set-active-firmware-slot
| +--ro input
| | +--ro firmware-slot-name  string
module: opencpe-firmware-download-ftp
rpcs:
+---x firmware-download-ftp
| +--ro input
| | +--ro address      inet:uri
| | +--ro (credentials)?
| | | +--:(user-pass)
| | | | +--ro user-pass!
| | | | | +--ro username?  string
| | | | | +--ro password?  string
| | | +--:(certificate)
| | | | +--ro certificate!
| | | | +--ro path?      string
| | +--ro download-target?  string {firmware-slots}?
| +--ro output
| | +--ro job-id      int32

```