

Management Address Grouping (.1Qcx) suggested solution

This is additional informational material to the topic *Management Address Grouping (.1Qcx) suggested solution* discussed in the YANGsters meeting at the March 2019 802 Plenary Meeting in Vancouver. Also see the CFM YANG module ([ieee802-dot1q-cfm.yang](#)).

```
grouping management-address-grouping {  
  
    description  
  
        "Defines the Management Address."  
  
    reference  
  
        "21.5.3.5 of IEEE Std 802.1Q-2018";  
  
    leaf domain {  
  
        type yang:object-identifier-128;  
  
        description  
  
            "The domain type."  
    }  
  
    choice management-address {  
  
        when "./domain";  
  
        description  
  
            "Selects the management address";  
  
        case ip {  
  
            description  
  
                "Represents an IP TCP, UDP, or SCTP transport
```

address consisting of an IPv4/v6 address, and a port number, associated with the domain type defined by the domain leaf node.";

```
leaf ip-address {  
    type inet:ip-address;  
    mandatory true;  
    description  
        "IPv4 or IPv6 address.";  
}  
leaf ip-port {  
    type inet:port-number;  
    mandatory true;  
    description  
        "IP port.";  
}  
}  
  
case local {  
    leaf local-address {  
        type string {  
            length '1..255';  
        }  
        mandatory true;  
    }  
}
```

```
description
    "Represents a POSIX Local IPC transport address,
    associated with the domain type defined by the
    domain leaf node.";
}
}

case dns {
    leaf dns-address {
        type string {
            length "1..255";
        }
        mandatory true;
        description
            "The transport domain using fully qualified domain
            names, associated with the domain type defined by the
            domain leaf node. Represents a DNS domain name followed
            by a colon ':' (ASCII character 0x3A) and a port number
            in ASCII. The name SHOULD be fully qualified whenever
            possible.";
        }
    }
}

case other {
```

```
leaf unknown-address {  
  type binary {  
    length "1..255";  
  }  
  description  
    "This represents an undefined address, for the case when  
    the domain type provided is an unrecognizable value."  
}  
}  
}  
}
```