

Attached are several files to demonstrate the value of yanglint.

Yanglint is found: <https://github.com/CESNET/libyang>

There are several packages that are needed in order to get libyang installed. There are YANGsters that have installed the tools on WSL (<https://docs.microsoft.com/en-us/windows/wsl/install-win10>) and in a Oracle VirtualBox running Ubuntu 18.04.

Some of the published YANG for bridge management had to be modified slightly to fix various issues with XPath navigation and constraint checking.

Files included:

ieee802-dot1q-bridge.yang: updated version of published module

ieee802-dot1q-pb.yang: updated version of published module

ieee802-dot1q-types.yang: updated version of published module

basic-vlan-bridge-static.xml, qcp-bridge-config[1-4].xml are example configuration files that can be loaded and tested in yanglint.

Updated version of ieee802-dot1q-bridge.yang

Here is the diff that shows:

< := new version of ieee802-dot1q-bridge.yang

> := published version from yang catalog's github

436c436

< when "../bridge-type != 'dot1q:two-port-mac-relay-bridge' {

> when "../bridge-type != 'two-port-mac-relay-bridge' {

763c763

< when "../bridge-type != 'dot1q:two-port-mac-relay-bridge' {

> when "../bridge-type != 'two-port-mac-relay-bridge' {

1089c1089

< when "../bridge-type != 'dot1q:two-port-mac-relay-bridge' {

> when "../bridge-type != 'two-port-mac-relay-bridge' {

1163,1170d1162

```

< leaf bridge-name {
<   type leafref {
<     path "/dot1q:bridges/dot1q:bridge/dot1q:name";
<   }
<   // mandatory true; yang 1.1 only
<   description
<     "Used to reference configured Bridge node.";
<   }
1172,1175c1164
<   type leafref {
<     path "/dot1q:bridges/dot1q:bridge[dot1q:name=current()]/../dot1q:bridge-
name]/dot1q:component/dot1q:name";
<   }
<   // mandatory true; yang 1.1 only
---
>   type string;
1189,1191c1178
<     when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<       "../dot1q:bridge-name]/dot1q:component[name=current()"+
<       "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>   when "../component-name != 'd-bridge-component'" {
1318,1320c1305
<     when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<       "../dot1q:bridge-name]/dot1q:component[name=current()"+
<       "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>   when "../component-name != 'd-bridge-component'" {
1347,1349c1332

```

```

<     when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<     "../dot1q:bridge-name]/dot1q:component[name=current()"+
<     "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>     when "../component-name != 'd-bridge-component'" {
1363,1365c1346
<     when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<     "../dot1q:bridge-name]/dot1q:component[name=current()"+
<     "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>     when "../component-name != 'd-bridge-component'" {
1379,1381c1360
<     when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<     "../dot1q:bridge-name]/dot1q:component[name=current()"+
<     "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>     when "../component-name != 'd-bridge-component'" {
1396,1398c1375
<     when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<     "../dot1q:bridge-name]/dot1q:component[name=current()"+
<     "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>     when "../component-name != 'd-bridge-component'" {
1413,1415c1390
<     when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<     "../dot1q:bridge-name]/dot1q:component[name=current()"+
<     "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>     when "../component-name != 'd-bridge-component'" {

```

1485,1487c1460

```
<    when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<    "../dot1q:bridge-name]/dot1q:component[name=current()"+
<    "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>    when "../component-name != 'd-bridge-component'" {
```

1501,1503c1474

```
<    when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<    "../dot1q:bridge-name]/dot1q:component[name=current()"+
<    "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>    when "../component-name != 'd-bridge-component'" {
```

1686,1688c1657

```
<    when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<    "../..dot1q:bridge-name]/dot1q:component[name=current()"+
<    "../..dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>    when "../..component-name != 'd-bridge-component'" {
```

1706,1708c1675

```
<    when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<    "../dot1q:bridge-name]/dot1q:component[name=current()"+
<    "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
>    when "../component-name != 'd-bridge-component'" {
```

1749,1751c1716

```
<    when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()"+
<    "../dot1q:bridge-name]/dot1q:component[name=current()"+
<    "../dot1q:component-name]/dot1q:type != 'dot1q:d-bridge-component'" {
---
```

```
> when "../component-name != 'd-bridge-component'" {
```

Updated version of ieee802-dot1-pb-diff

Here is the diff that shows:

```
< := new version of ieee802-dot1q-pb.yang
```

```
> := published version from yang catalog's github
```

```
52,54c52,53
```

```
< when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()" +
```

```
<     "../dot1q:bridge-name]/dot1q:component[dot1q:name=current()" +
```

```
<     "../dot1q:component-name]/dot1q:type = 'dot1q:c-vlan-component' and "+
```

```
---
```

```
> when
```

```
>     "../dot1q:component-name = 'dot1q:c-vlan-component' and "+
```

```
108,110c107,108
```

```
< when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()" +
```

```
<     "../dot1q:bridge-name]/dot1q:component[dot1q:name=current()" +
```

```
<     "../dot1q:component-name]/dot1q:type = 'dot1q:c-vlan-component' and "+
```

```
---
```

```
> when
```

```
>     "../dot1q:component-name = 'dot1q:c-vlan-component' and "+
```

```
139,141c137,138
```

```
< when "/dot1q:bridges/dot1q:bridge[dot1q:name=current()" +
```

```
<     "../dot1q:bridge-name]/dot1q:component[dot1q:name=current()" +
```

```
<     "../dot1q:component-name]/dot1q:type = 'dot1q:s-vlan-component' and "+
```

```
---
```

```
> when
```

```
>     "../dot1q:component-name = 'dot1q:s-vlan-component' and "+
```

Updated version of ieee802-dot1-types

< := new version of ieee802-dot1q-pb.yang

> := published version from yang catalog's github

134,140c84,87

```
<  "([1-9][0-9]{0,2}|[1-3][0-9]{3}|[4][0][0-9][0-4])"+
<  "(([-,]([1-9][0-9]{0,2}|[1-3][0-9]{3}|[4][0][0-9][0-4]))?)*";
<
<      //"([1-9]" +
<      //"[0-9]{0,3}" +
<      //"(-[1-9][0-9]{0,3})?" +
<      //"(,[1-9][0-9]{0,3}(-[1-9][0-9]{0,3})?)*";
---
>  "([1-9]" +
>  "[0-9]{0,3}" +
>  "(-[1-9][0-9]{0,3})?" +
>  "(,[1-9][0-9]{0,3}(-[1-9][0-9]{0,3})?)*";
```