Topics to investigate?
YANG 1.0 vs YANG 1.1 example

- `ieee802-dot1q-bridge@2020-11-06.yang` (YANG 1.0) imports `ietf-interfaces.yang`, revision not specified
- `ieee802-dot1cb-stream-identification@2019-09-01.yang` (YANG 1.1) imports `ietf-interfaces.yang`, revision not specified

<table>
<thead>
<tr>
<th>Revision</th>
<th>YANG Version</th>
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</thead>
<tbody>
<tr>
<td><code>ietf-interfaces@2018-02-20</code></td>
<td>YANG 1.1</td>
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<td><code>ietf-interfaces@2018-01-09</code></td>
<td>YANG 1.1</td>
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<td><code>ietf-interfaces@2017-12-16</code></td>
<td>YANG 1.1</td>
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<td><code>ietf-interfaces@2017-08-17</code></td>
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<td><code>ietf-interfaces@2014-05-08</code></td>
<td>YANG 1.0</td>
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<td>...</td>
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<tr>
<td><code>ietf-interface@2010-12-08</code></td>
<td>YANG 1.0</td>
</tr>
</tbody>
</table>

`ieee802-dot1cb-stream-identification.yang`

```
...  
72: augment "\/if:interfaces\/if:interface\/if:statistics"
...  
```
NETCONF: Simultaneous Configuration by Multiple Clients - Candidate DS

- <Candidate> datastore is mandatory
- “Dirty candidate” is not acceptable
- Serialization is not acceptable
- Partial-lock (RFC 5717) is possible only on the <running> data store, even though it was available for the <candidate> DS in the draft
IA Network Monitoring and Diagnostics Use Cases

- Sequence of events (SOE) - a mechanism to record timestamped events from all over the plant in a common database.
- Application defined events are e.g. changes of digital input signal values
- SOE support may even be legally demanded e.g. for power generation applications
- The error detection shall be done within a few cycles in order to minimize the machine down time
- Indication of the components which have to be repaired shall occur within a few seconds
- A typical repair time goal is below 15 min
- Monitoring and diagnostics data including used TSN features shall be provided, e.g. established streams, failed streams, stream classes, bandwidth consumption
- Reporting of detailed diagnostics information for TSN features shall be supported