Open Source

General Observations & Headwinds

Jun 27, 2019
### Open Source is present (Observations)

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Project Available</th>
<th>Seen in Commercial Offerings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Functions</td>
<td>partial</td>
<td>???</td>
</tr>
<tr>
<td>Stacks</td>
<td>✓</td>
<td>recent</td>
</tr>
<tr>
<td>Data Storage</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>VMs, Containers</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Operating System</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
Headwinds

Open Source is slowly making its way up the stack
SLA for network functions is 99.999%
➢ When it is not 99.999% who will report why?
➢ This level of SLA implies a lot of production readiness
  ➢ Testing (high test coverage)
  ➢ Engineering (account for many options / designs)
  ➢ Documentation
  ➢ Security Scans
  ➢ Compliance / Governance Process
➢ Open source ≠ free in 3GPP (copyright, IPR, etc.)
➢ What is the definition of a minimum viable product for a core?
  ➢ Has it ever been met
➢ Shiny key syndrome

These are temporary matters if there is a collective will of the community to move forward