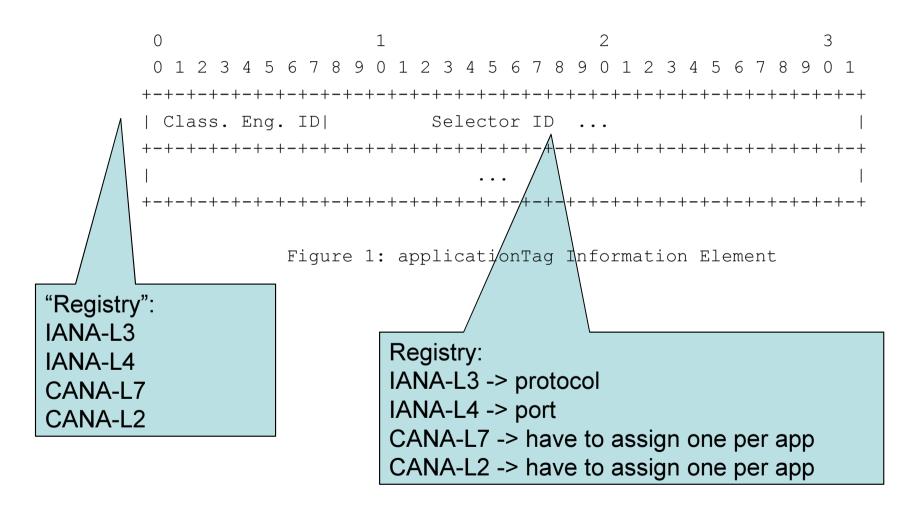
IETF-79 November 10th, 2010

<draft-claise-export-application-info-in-ipfix-00.txt>

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How to encode the Application id?

- IANA L3 is easy -> can refer to the IANA registry
- IANA L4 is easy -> can refer to the IANA registry
- What about IANA L7?
 - No IANA registry
 - Can we have one? No because some reverse engineering is sometimes required
 - Which implies that we post the signature along with the entry
 - Which implies a common language for protocol signature
 Neither of the two will happen
 - Conclusion: we need a way to export the app id without a signature
- What about L2?
 - Not everything is etherType based. So same issue



CANA: Cisco Assigned Number Authority

- Cisco Systems way of exporting the app id
- Running code
- So an independent submission
 - Would like to get feedback anyway
- With CANA-L2 and CANA-L7 registries posted on www.cisco.com
- 3 new Information Elements:
 - applicationDescription, 94
 - applicationTag, 95
 - applicationName, 96

- This is HTTP, regardless of the port it runs on: 80, 8080 or 23
- If you want to know the protocol/port, export the protocol and destinationTransportPort Information Elements

- An Options Template Record to export the mapping
 - applicationTag, (applicationName, applicationDescription)
- Resolving IANA L4 port collisions
 - 10 different entries in IANA-L4 for UDP versus TCP
 - we define that the L4 application is always TCP related, by convention. So, whenever the collector has a conflict in looking up IANA, it would choose the TCP choice.
 - Then the 10 UDP collisions would be defined in CANA-L7

IETF-79 November 10th, 2010

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