WG PID Kernel Information

RDA P10 Montréal – September 2017

Co-chairs: Beth Plale, Tobias Weigel
Meeting agenda

1. Introduction, agenda bashing
2. RPID update, Robert Quick
3. RPID profile, Bridget
4. Ulrich
5. PITSS, René
6. Discussion

HTTPS://RD-ALLIANCE.ORG/ - HTTPS://TWITTER.COM/RESDATALL
Quick facts

◦ WG running from ca. P9-P11 (12 months)
◦ Goal: Define preferably 1 Kernel Information Profile

◦ Conduct:
  ◦ Regular VCs, announcements over the list
  ◦ Working documents (Google), particularly strawman doc with draft profile and context
Kernel Information

- Lots of information can be put in a PID record
- This group looks for the most essential information – the kernel information
- We use Handle records as our guiding example
- Elements should be registered in the DTR to disambiguate
- Whole profile (schema) could also be registered
  - opens up options for community profiles
- Driving use case: sift through millions of Handles and make quick filtering decisions

But how do we decide which elements are worthy of becoming part of the single kernel profile?
- prevent explosion of types
- come to a long-term stable, clearly limited core that is a universal truth?
# PID KI and DTR relation

## Record for 12345/101:

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTR.123/101</td>
<td>12345/100</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

## Record for 12345/100:

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

## Type registry entry DTR.123/101:

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td>wasDerivedFrom</td>
</tr>
<tr>
<td>Value type</td>
<td>Handle</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>
1. Q: prefix authority

2. Local Handle Service IP

3. Q: local handle

4. Handle information
   (e.g., PID to Profile, URL to target ROR, Data field for PID KI)

5. Q: DTR with Profile PID

6. DTR Profile Definition

7. HTTP GET Data Object

Client

PIT API SDK

Handle System

Global Handle Registry

Local Handle Service

Data Type Registry Service

Profile1: 12345/xx
Profile2: 12345/yy

Metadata Repository, Landing Page, or Data Repository

[8 ... 20]

[1000...5000]

[1...10]