

RDA P11: New Developments at the ePIC DTR

WG Data Type Registry 2 at RDA Plenary 11

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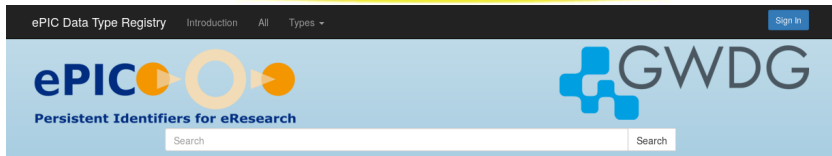
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Status of the ePIC DTR

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- <http://dtr.pidconsortium.net/>
- number of types in preparation
(<http://dtr-test.pidconsortium.net>)
 - BasicInfoTypes: 194
 - InfoTypes: 103
- number of candidate types
(<http://dtr-pit.pidconsortium.net>)
 - BasicInfoTypes: 22
 - InfoTypes: 24

Hierarchical Type Definitions in ePIC DTR

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- recursive dependency structure:
 - *PID info types* depend on *basic PID info types* or *PID info types*
 - *basic PID info types* are String or Numeric types with restrictions (e.g. regexp)
- dependencies have grounded definition
 - makes it easy to define new types
 - to provide types for an adoption
 - adoption of the collections-WG recommendations took 1h
- consequence:
 - dependencies can be exploited by automated processes
 - for instance to derive schemas for the type values
 - automated server side schema derivation

Type Life Cycle

- The data type status can be:
 - **in preparation**,
 - **candidate**,
 - **approved** and
 - **deprecated**
- platforms:
 - in preparation on `dtr-test.pidconsortium.net`
 - all others on `dtr-pit.pidconsortium.net`
- migration
 - only goes in one direction
 - technically non-trivial: from *in preparation* to *candidate*
 - because two different DTRs are involved
 - and because of the hierarchical concept
 - all subtypes need to be candidates beforehand
 - the subtype relation need to be automatically transformed
 - at least the suffix remains
 - all other migrations are only organisational

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Prerequisites for Types

Categories of Prerequisites:

- Access
 - platform (dtr-test vs dtr-pit)
 - kind of administration: user or admin
- Provenance
 - rules of dependencies from previous types and subtypes
 - candidates must have a predecessor in preparation,
 - only candidates can become approved types
 - candidates and approved types can become deprecated
- Consistency
 - needs reasonable entries in mandatory fields
 - consistent dependency related information
 - types used in the "properties" part has to be also in the "Applicable Standards or Recommendations" part
 - dependent on the type of type (basic vs derived InfoType)
- Documentation
 - description
 - examples
- Governance in the Decision Process

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- Governance in the Decision Process
 - most prerequisites can be proven automatically
 - but not the semantic decisions

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DTR Interoperability

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minimal level of a federation / cooperation between DTRs

- agreement about at least knowing each other and referring to each other
- agreements on standards for type definitions
- agreements on searching types across DTRs

Many Thanks

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Questions ???

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Contact at GWDG:

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