

Semantic Infrastructure Services

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The periodic-style table for representing the "Semantic Infrastructure Software Service Categories Derived From Initial Use Case Analysis" was directly inspired by the [BIG Health Enterprise Service Portfolio Periodic Table](#). One of the goals of the Semantic Infrastructure Requirements project was to produce deliverables for software engineering that could be used by the software architects to develop a solution architecture. This periodic table was determined to be the way to represent and synthesize potential business capability services of the Semantic Infrastructure and community, which are in turn the infrastructure services for scientific and clinical communities.

Legend

Light green

 cells represent query services

Light purple

 cells represent analytical interfaces

Light red

 cells represent administrative interfaces

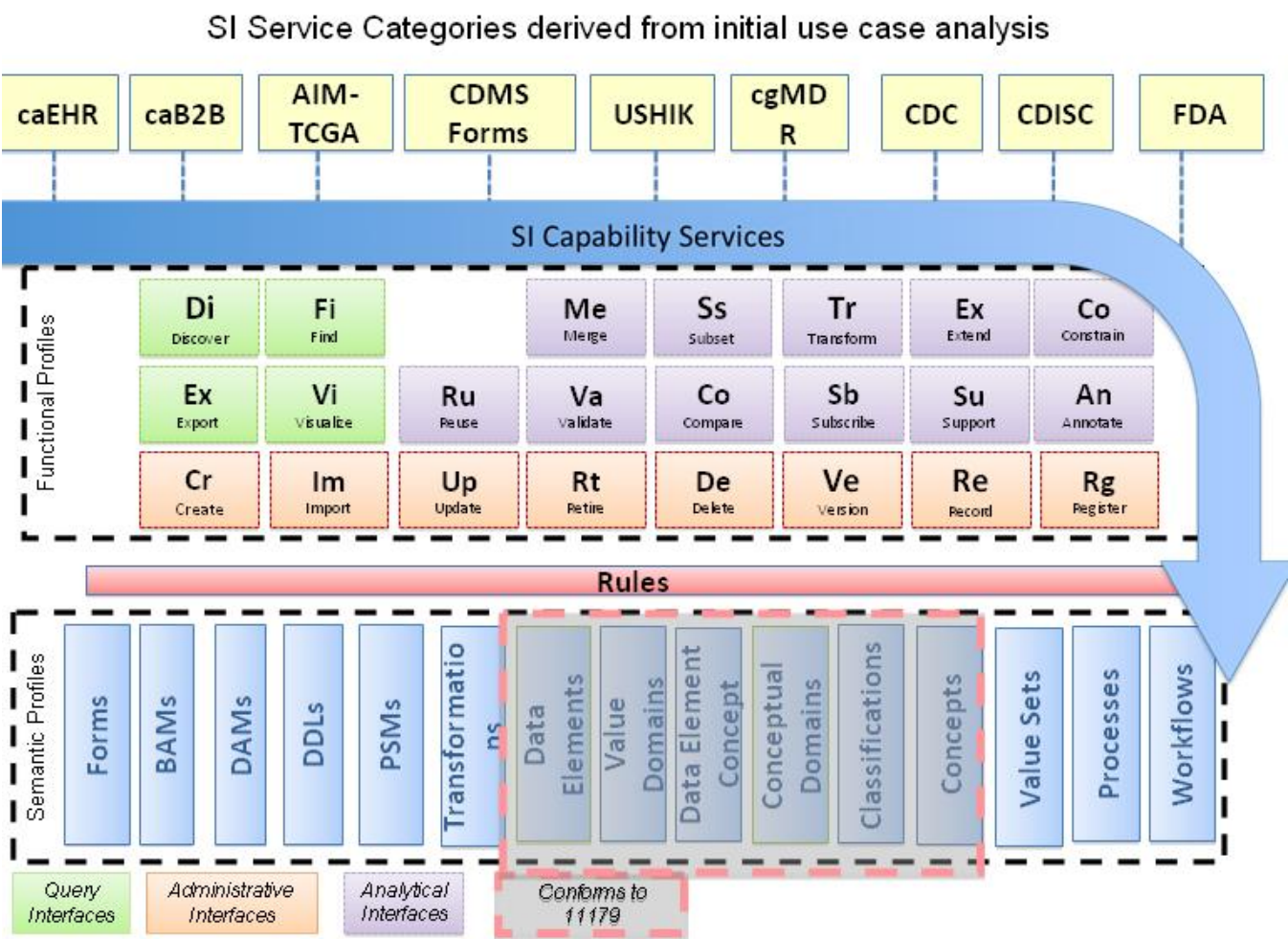
Light blue

 cells represent semantic profiles

Light yellow

 cells represent administrative services

The Functional Profiles and Semantic Profiles comprise Semantic Infrastructure Capability Services.



The list below identifies the elements. Each is linked to a wiki page with information about that element.

Administrative Services

[caEHR](#)
[caB2B](#)
[AIM-TCGA](#)
[Medidata Forms](#)
[USHIK](#)
[cgMDR](#)
[CDC](#)
[CDISC](#)
[FDA](#)

Functional Profiles

Query Services

[Discover](#)
[Find](#)
[Export](#)
[Visualize](#)

Analytical Interfaces

[Merge](#)
[Subset](#)
[Transform](#)
[Extend](#)
[Constrain](#)
[Reuse](#)
[Validate](#)
[Compare](#)
[Subscribe](#)
[Support](#)
[Annotate](#)

Administrative Interfaces

[Create](#)
[Import](#)
[Update](#)
[Retire](#)
[Delete](#)
[Version](#)
[Record](#)
[Register](#)

Rules

Semantic Profiles

[Forms](#)
[BAMs](#)
[DAMs](#)
[DDLs](#)
[PSMs](#)
[Transformations](#)
[Data Elements](#)
[Value Domains](#)
[Data Element Concepts](#)
[Conceptual Domains](#)
[Classifications](#)
[Concepts](#)
[Value Sets](#)
[Processes](#)
[Workflows](#)