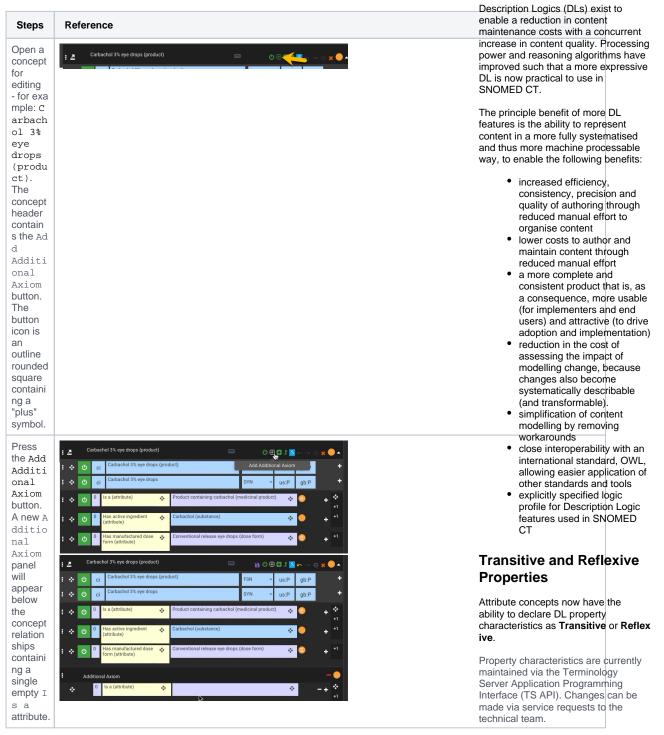
Authoring - Description Logic (DL) Support Features

DL features in the concept edit panel (Additional Axiom and General Concept Inclusion)

What is Description Logic?

How do I add an Additional Axiom?





maintained via the TS API. Changes can be made via service requests to

the technical team.

Qualitati	Carbachol 3% eve drops (product)	
Switch the concept	Carbachol 3% eye drops (product) I Carbachol 3% eye drops (product)	Example
diagram to show the Stated view. Note the presenc e of the new addition al axiom.	Image: service Service Product containing cabachol (indicinal product) Image: service <	This feature allows Has active ingredient to be linked with Is modification of such that a medicinal product that has an active ingredient which is the modification of another substance, could classify as a child of a product containing the less modified substance. This behaviour is critical to controlling the effect of changes to the Substance (substance) hierar chy on other hierarchies.

How do I add a General Concept Inclusion?

Steps	Reference	Ad
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Additional Axioms

Additional Axioms are a new part of SNOMED CT concepts. Each Additional Axiom is like another mini concept definition including definition status and a set of stated relationships. These are presented and maintained through the concept edit panel in the same way as stated relationships, visually located below the existing stated relationships of the concept. Axioms have a named concept on the left and an expression on the right.

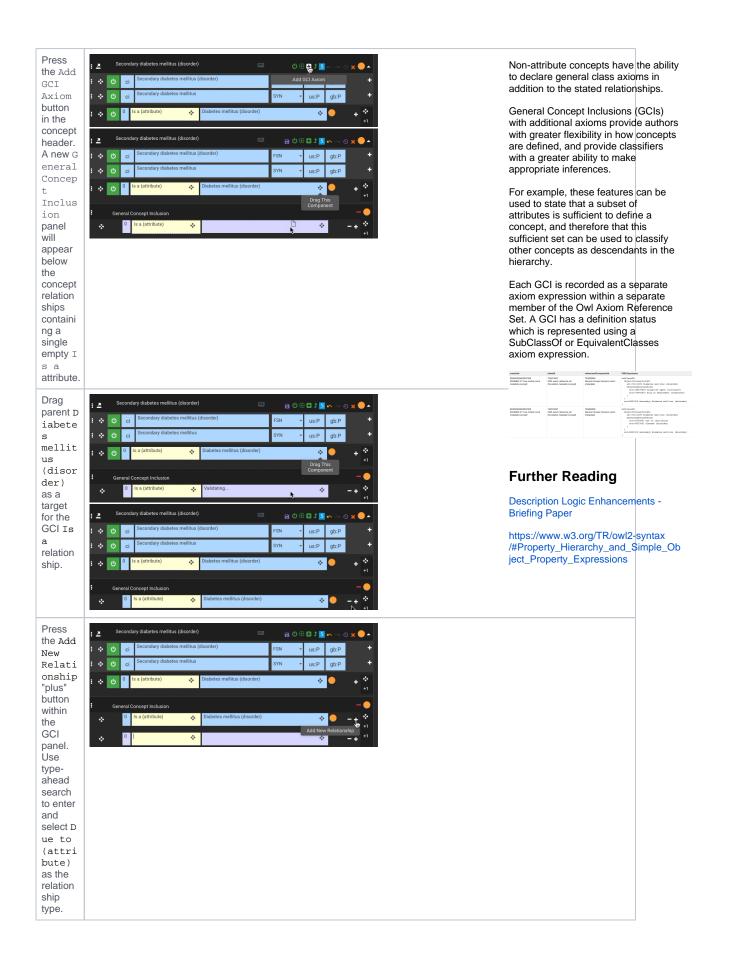
The relationships within each additional axiom follow MRCM rules just like the stated relationships. At least one is-a relationship is required in an axiom. The concept editor panel supports creation, editing and removing of axiom relationships. There is no released or active state on axiom relationships - they can always be modified or deleted.

Each axiom of a concept is necessarily true. The attributes from all axioms are in the inferred form and are inherited by children through inference. The normal form process may reduce these attributes if a more specific attribute or group of attribute is present, in the same way that is does for attributes from the stated relationships. Attributes in an additional axiom are inferred on the named concept and its descendants.

Example

Concept A has axiom A1 (stated relationships) and A2. Concept B has axiom B1 (stated relationships). Concept A subsumes Concept B -Concept B gets the inferred attributes of axiom A1 AND A2.

General Concept Inclusion Axioms





How do I modify a General Concept Inclusion?

Steps
Steps

With a GCI present in the concept edit panel (eg via the steps above), use the Add GCI Axiom button in the concept header to add a new GCI to the edit panel. Drag and drop the concept parent D iabete	Secondary diabetes melitus (disorder) Add Cd Akon Add Cd Akon Image: Concept diabetes melitus (disorder) Image: Concept Inclusion Image: Concept Inclusion Image: Concept Inclusion
s mellit us (disor der) as the target for the new GCI Is a relation ship.	
Using the Add Genera 1 Concep t Inclus ion button in the concept header, add another GCI to the concept edit panel.	

